

# JOHNSON & WALES UNIVERSITY



**PROVIDENCE**  
CAMPUS CATALOG  
2022–23

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# 2022-23 Providence Campus Catalog

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Students should read and fully understand the policies, provisions, requirements and rules described in this catalog and all other Publications. In particular, among other Publications, all enrolled students are expected to be familiar with their campus Student Handbook. The Student Handbook contains important information regarding academic performance and personal conduct of students as well as university grievance procedures. It also outlines the conditions under which students may be placed on probation or suspension from the university or may be expelled (among other disciplinary measures).

The Providence Campus Student Handbook is available online. Students should check whether their program has an additional program-specific handbook and familiarize themselves with any such handbook.

# Academic Calendars

The academic calendar lists start and end dates for classes, in addition to holidays and makeup class meeting dates (as applicable). These calendars are offered for planning purposes only and are subject to change.

For financial aid purposes, the definition of an academic year is a period in which a student completes two semesters (credit hours), which consists of 16 weeks for a total of 32 weeks. The academic calendar includes two semesters (fall and spring). Summer is optional for undergraduate programs but may be required for some graduate programs.

For the purposes of awarding Title IV financial aid, the payment period is the academic year.

## Undergraduate, Graduate, Doctoral Programs

### Fall Semester

Fall semester payment deadline (new and returning undergraduate day students) June 29, 2022

Fall semester payment deadline (all international day students, all continuing education students, all graduate programs, all online programs) July 27, 2022

Fall Doctor of Education classes begin (on-campus program) August 26–27, 2022

Fall classes begin August 29, 2022

Fall I classes begin August 29, 2022

Online courses only: Last day to add a course (Fall semester & Fall I) September 3, 2022

No classes; Labor Day September 5, 2022

Doctor of Education classes held (on-campus program) September 9–10, 2022

Online courses only: Last day to drop a course (Fall semester & Fall I) September 10, 2022

Online courses only: Deadline to complete attendance requirements (Fall semester & Fall I) September 10, 2022

Fall I academic course withdrawal deadline September 20, 2022

Doctor of Education classes held (on-campus program) September 23–24, 2022

No classes; Indigenous Peoples' Day October 10, 2022

Doctor of Education classes held (on-campus program) October 14–15, 2022

Fall I classes end October 18, 2022

Fall II classes begin October 24, 2022

Fall academic course withdrawal deadline October 28, 2022

Doctor of Education classes held (on-campus program) October 28–29, 2022

Online courses only: Last day to add a course (Fall II) October 29, 2022

Online courses only: Last day to drop a course (Fall II) November 5, 2022

Online courses only: Deadline to complete attendance requirements (Fall II) November 5, 2022

No classes; Veteran's Day November 11, 2022

Fall II academic course withdrawal deadline November 15, 2022

Doctor of Education classes held (on-campus program) November 18–19, 2022

Thanksgiving break November 23–25, 2022

Spring payment deadline November 30, 2022

Doctor of Education classes held (on-campus program) December 2–3, 2022

Undergraduate reading day academic courses only; Hybrid, Labs, Continuing Education and Graduate courses will be held December 8, 2022

\*Undergraduate final exams December 12–15, 2022

Fall classes end December 16, 2022

Inclement weather make up final exams December 16, 2022

Doctor of Education classes held (on-campus program) December 16, 2022

Residence Halls close for Winter Break at noon December 16, 2022

Fall II classes end December 16, 2022

Doctor of Education classes end (on-campus program) December 17, 2022

Winter Break begins December 18, 2022

\*Final Exams for Continuing Education (CE) and Graduate on-campus programs are held during the last class meeting.

### Spring Semester

Winter Break ends January 8, 2023

Residence Halls open at 10 a.m. January 8, 2023

Spring classes begin January 9, 2023

Spring I classes begin January 9, 2023

Online courses only: Last day to add a course (Spring semester & Spring I) January 14, 2023

No classes; Martin Luther King Jr. Day January 16, 2023

Spring Doctor of Education classes begin (on-campus program) January 20–21, 2023

Online courses only: Last day to drop a course (Spring semester & Spring I) January 21, 2023

Online courses only: Deadline to complete attendance requirements (Spring semester & Spring I) January 21, 2023

Spring I academic course withdrawal deadline January 31, 2023

Doctor of Education classes held (on-campus program) February 3–4, 2023

Doctor of Education classes held (on-campus program) February 24–25, 2023

Spring I classes end February 28, 2023

Doctor of Education classes held (on-campus program) March 3–4, 2023

Spring Break March 6–10, 2023

Spring II classes begin March 13, 2023

Spring academic course withdrawal deadline March 17, 2023

Doctor of Education classes held (on-campus program) March 17–18, 2023

Online courses only: Last day to add a course (Spring II) March 18, 2023

Online courses only: Last day to drop a course (Spring II) March 25, 2023

Online courses only: Deadline to complete attendance requirements (Spring II) March 25, 2023

Doctor of Education classes held (on-campus program) March 31–April 1, 2023

Spring II academic course withdrawal deadline April 4, 2023

No classes; Spring holiday April 7, 2023

No classes; Easter April 9, 2023

Doctor of Education classes held (on-campus program)	April 14–15, 2023
Summer payment deadline	April 19, 2023
Undergraduate reading day academic courses only; Hybrid, Labs, Continuing Education and Graduate courses will be held	April 25, 2023
*Undergraduate final exams	April 26–27, May 1–2, 2023
Internships end	April 28, 2023
Doctor of Education classes held (on-campus program)	April 28, 2023
Doctor of Education classes end (on-campus program)	April 29, 2023
Spring classes (non-online) end	May 2, 2023
Online classes + Spring II classes end	May 2, 2023
Residence Halls close for end of year at noon (non-graduating students)	May 3, 2023
Residence Halls close for end of year at 10 a.m. (students who are graduating/participating in Commencement)	May 7, 2023
*Final Exams for Continuing Education (CE) and Graduate on-campus programs are held during the last class meeting.	
<b>Summer Semester</b>	
Summer classes begin	May 8, 2023
Summer I classes begin	May 8, 2023
Ed.D. Dissertation advisement begins	May 8, 2023
Online courses only: Last day to add a course (Summer semester & Summer I)	May 13, 2023
Online courses only: Last day to drop a course (Summer semester & Summer I)	May 20, 2023
Online courses only: Deadline to complete attendance requirements (Summer semester & Summer I)	May 20, 2023
No classes; Memorial Day	May 29, 2023
Summer I academic course withdrawal deadline	May 30, 2023
M.S. in Addictions Counseling and M.S. in Clinical Mental Health Counseling courses begin	June 5, 2023
Occupational Therapy Doctorate new student cohort begins	June 5, 2023
No classes; Juneteenth	June 19, 2023
Summer I classes end	June 27, 2023
Fall semester payment deadline (new and returning undergraduate day program students)	June 28, 2023
Summer II classes begin (online courses)	July 3, 2023
No classes; Independence Day (except for online courses)	July 3–4, 2023
Summer II classes begin (Providence Campus)	July 5, 2023
Summer academic course withdrawal deadline	July 7, 2023
Online courses only: Last day to add a course (Summer II)	July 8, 2023
Bridge Program begins (Charlotte Campus)	July 10, 2023
Online courses only: Last day to drop a course (Summer II)	July 15, 2023

Online courses only: Deadline to complete attendance requirements (Summer II)	July 15, 2023
Summer II academic course withdrawal deadline	July 25, 2023
Fall semester payment deadline (all international day students, all continuing education students, all graduate programs, all online programs)	July 26, 2023
Bridge Program ends (Charlotte Campus)	August 11, 2023
Summer classes (non-online) + Internships end	August 18, 2023
Online courses + Summer II classes end	August 20, 2023
*Final Exams for Continuing Education (CE) and Graduate on-campus programs are held during the last class meeting.	

## Physician Assistant Studies

### Didactic Summer Semester

Summer classes begin	June 6, 2022
No classes; Juneteenth (observed)	June 20, 2022
No classes; Independence Day	July 3–4, 2022
Fall payment deadline (new students)	July 13, 2022
Academic course withdrawal deadline	August 5, 2022
Summer semester ends	August 26, 2022

### Didactic Fall Semester

No classes; Labor Day	September 5, 2022
Fall classes begin	September 6, 2022
No classes; Indigenous Peoples' Day	October 10, 2022
Academic course withdrawal deadline	November 4, 2022
No classes; Veteran's Day	November 11, 2022
Thanksgiving break	November 23–27, 2022
Spring semester payment deadline	November 30, 2022
Fall semester ends	December 16, 2022

### Didactic Spring Semester

Spring classes begin	January 4, 2023
No classes; Martin Luther King Jr. Day	January 16, 2023
Spring break	March 6–10, 2023
Academic course withdrawal deadline	March 17, 2023
No classes; Spring Holiday	April 7, 2023
Summer semester payment deadline	April 19, 2023
Spring semester ends	May 19, 2023

### Clinical Summer Semester

Summer classes begin	June 6, 2022
Rotation 1 (callback days, end of rotation July 21–22)	June 20, 2022
Rotation 2 (end of rotation August 26)	July 25, 2022
Fall semester payment deadline (returning students)	July 27, 2022

### Clinical Fall Semester

Rotation 3 (callback days, end of rotation September 30)	August 29, 2022
Rotation 4 (end of rotation November 4)	October 3, 2023
Rotation 5 (end of rotation December 9)	November 7, 2022
Thanksgiving Break	November 23–27, 2022
Spring semester payment deadline	November 30, 2022



Rotation 6 (end of rotation January 20)	December 12, 2022
Winter break	December 25, 2022 – January 1, 2023

**Clinical Spring Semester**

Rotation 7 (end of rotation February 24)	January 23, 2023
Final Exam Week (Summative Exams, OSCEs, Master's Presentations)	February 27, 2023
Rotation 8 (Call back Day, end of rotation April 7)	March 6, 2023
Rotation 9 (Callback Day, end of rotation May 12)	April 10, 2023
Graduate Studies Commencement	May 5, 2023
Callback Days	May 15–16, 2023

**Commencement**

Graduate Studies Commencement	May 5, 2023
Undergraduate Commencement	May 6, 2023

# About JWU

Founded in 1914, Johnson & Wales University is a private, nonprofit, accredited institution with more than 8,500 graduate, undergraduate and online students at its campuses in Providence, Rhode Island and Charlotte, North Carolina. An innovative educational leader, the university offers undergraduate and graduate degree programs in arts and sciences, business, engineering, food innovation, hospitality, nutrition, health and wellness. It also offers undergraduate programs in culinary arts, dietetics and design.

JWU's unique model provides students with the personalized attention, academic expertise and industry connections that inspire professional success and personal growth. The time students spend at JWU is nothing short of transformative, as demonstrated by career outcomes, expected earnings and economic mobility rankings. The university's impact is global, with alumni in 125 countries pursuing careers worldwide.

Here's what makes JWU different:

## Academics

- Purposeful learning experiences, a global learning environment and opportunities for collaboration with students in other disciplines expand the possibilities of a JWU education.
- The university's commitment to equipping students with a practical, relevant education provides industry with agile graduates who are real-world tested and ready to enter a highly dynamic workforce. Employers tell us that JWU graduates demonstrate a strong work ethic, embrace challenges and ask the right kinds of questions.
- Dedicated faculty and career advisors help students set professional goals and develop an educational plan designed for them to best attain those goals.
- Students learn by doing, discovering industry best practices and training on career-specific tools and software in dynamic labs and career-focused classrooms.

## Experiential Education

- Programs provide opportunities for real-world experience, which can include internships and classroom projects with actual companies.
- Specialized workshops help students build their résumés, highlight their skills and develop a portfolio of work to help set them apart.
- Students have the opportunity to network with employers who visit campus each year, including career fairs, on-campus interviews and career events geared to your major.
- In 2018, JWU students interned at over 1,600 sites related to their major worldwide.
- Participation in competitions as a member of the ADTEAM, Vex Robotics, or DECA, BPA, FCCLA and other nationally recognized student organizations helps build leadership, career skills and student résumés.

## Outcomes

- JWU graduates have the transferable analytic and expressive abilities necessary to take on new challenges and follow the ever-changing career paths that increasingly define the contemporary workplace.
- Our 97.7% career outcomes rate for 2019 graduates who earned a bachelor's degree is higher than the national average. This rate reflects the percentage of JWU graduates who secure full or part-time employment, are enrolled/accepted in a program of study to continue their education, are performing voluntary service, or enlist in military service within six months of graduation. The 2019 rate is consistent with previous years' career outcomes rates for JWU classes of 2015, 2016, 2017 and 2018, which were also higher than the national average.

## Culture

- JWU provides student experiences that encourages participation, embraces collaboration, and stimulates a healthy mind, body and spirit.

## Value

- Competitive and accelerated program options help qualified students save time and offer a step up in their fields of choice.
- When factoring in costs, discounts, the benefits of a JWU education, and the time it takes to graduate, Johnson & Wales is more than competitive with other private universities — and even with many public universities.

To learn more, visit [jwu.edu](http://jwu.edu).

# Mission and Guiding Principles

Johnson & Wales University ... an exceptional education that inspires professional success and lifelong personal and intellectual growth.

In support of our mission and recognizing the importance of preserving our distinctive student-centered culture, we are guided by the following principles:

- Undertake continuous improvement and planning for a sustainable future.
- Foster an evidence-based teaching and learning environment.
- Support faculty scholarship to advance our status as a comprehensive university.
- Maximize student potential by further enriching our academic programs with experiential and work-integrated learning.
- Value our faculty and staff.
- Embrace diversity for a richly inclusive community.
- Practice ethical citizenship in all aspects of university life.
- Act as a good steward of our resources to support the needs of our students, faculty and staff.

# University Essential Learning Outcomes

## Professional Competence

Graduates will demonstrate the knowledge and skills required to succeed in their chosen profession.

## Foundation for Lifelong Learning

Graduates will demonstrate the knowledge and skills necessary for lifelong learning, including competence in communication, critical and creative thinking, quantitative and scientific reasoning, and the ability to evaluate, integrate, and apply knowledge from multiple perspectives when making decisions and solving problems.

## Global and Community Citizenship

Graduates will demonstrate the necessary skills, including an awareness of ethical responsibility and cultural/ global diversity, to live and work collaboratively as contributing members of society.

# Providence Campus

Since its opening in 1914, Johnson & Wales University's original campus in Providence, Rhode Island, has grown from a small business school to a large, international university featuring degree programs in arts and sciences, business, culinary arts, design and engineering, dietetics, education, food innovation, health and wellness, hospitality, nutrition, occupational therapy, and physician assistant studies.

For more information about JWU's Providence Campus, contact

Admissions  
8 Abbott Park Place, Providence, RI 02903  
1-800-342-5598

## The City

Providence offers big-city sophistication on a welcoming scale, and is often voted one of the country's best places to live. A historic yet fast-paced city, Providence is located within the highest per capita concentration of colleges and universities in the United States, so it's alive with things to do.

The major business, financial and retail districts of the city are all within walking distance of the Downcity Campus, which is convenient for students looking for part-time jobs. Also within walking distance are the Providence Performing Arts Center, Providence Public Library, Dunkin' Donuts Center, Rhode Island Convention Center, Trinity Repertory Company, Providence Place Mall, outdoor skating at The Providence Rink at The Alex + Ani City Center, the Rhode Island State House, Rhode Island School of Design, Brown University, and places of worship of many major religious denominations. Restaurants for every taste and budget, many owned or operated by JWU alumni, can be found throughout the city as well.

Providence's unique geographic location — only an hour's drive from both Boston and Cape Cod, and three-hours' drive from New York City — makes it an inviting place to live. Interstate bus and train stations are within easy reach

of the Downcity Campus, and the state airport in Warwick is only about 10 miles to the south.

### **The Campus**

The Downcity Campus is anchored by Gaebe Commons, a popular hub of student activity, and surrounded by a variety of shops, restaurants, cafés, music venues and a picturesque riverfront. This campus is home to students in the College of Hospitality Management, College of Business, College of Engineering & Design, John Hazen White College of Arts & Sciences and College of Health & Wellness.

The nearby Harborside Campus sits on 105 scenic acres along Narragansett Bay, and houses the College of Food Innovation & Technology, Wildcat Center (home of the NCAA Division III Wildcats), and Culinary Arts Museum at JWU. Residential facilities are located throughout Providence and Cranston. JWU provides free shuttle bus service between the campuses and residence halls.

#### **Academic Facilities and Administrative Offices — Downcity Campus**

91 FRIENDSHIP STREET houses University Design & Editorial Services, University Marketing, Digital Communications, Institutional Research, University Admissions, The Office of General Counsel and the offices for Equity and Compliance.

115 CEDAR STREET houses the administrative offices of the College of Professional Studies, including the dean's office, as well as Accounts Payable, Accounting, Procurement, and Internal Audit & Risk Management.

THE ACADEMIC CENTER at 138 Mathewson St. houses the Occupational Therapy offices, classrooms and labs.

The CENTER FOR PHYSICIAN ASSISTANT STUDIES at 35 Claverick St. houses classrooms, laboratories, and faculty and directors offices for the Physician Assistant Studies program.

The CITIZENS BANK CENTER FOR STUDENT INVOLVEMENT at 2 Richmond St. houses Student Involvement & Leadership (including the *Campus Herald* and *Johnsonian* yearbook offices), Greek Councils, New Student Orientation & Support Programs, Parent Relations and Spiritual Life.

The DEL SESTO BUILDING at 274 Weybosset St. houses Information Technology Operations.

The JOHN HAZEN WHITE COLLEGE OF ARTS & SCIENCES at 30 Chestnut St. (corner of Pine and Chestnut Streets) houses the departments of English, English as a Second Language (ESL), Humanities, Mathematics, and Social Sciences, as well as the language laboratory and Arts & Sciences classrooms. It also houses Accessibility Services for the Downcity Campus, Experiential Education & Career Services for the Downcity Campus, and the dean's office and faculty offices. On the second floor is a lounge for students with veteran status. Also, the lower level of the building is the home of the University Bookstore (operated by Follett Higher Education Group).

JOHNSON HALL, located at 59 Chestnut St., includes the Department of Health Sciences faculty offices, several classrooms, Esports Center, and Starbucks.

The JOHN J. BOWEN CENTER FOR SCIENCE AND INNOVATION at 75 Chestnut St. houses the College of Engineering & Design and features classrooms, the media/graphics department, computer and engineering, faculty offices, the dean's office, the Technology & Design Center, and the College of Engineering & Design Presentation Room. It also houses College of Arts & Sciences classrooms, life science laboratories, faculty offices, and Willie's Grab & Go.

The JWU PARKING GARAGE at the corner of Pine and Richmond streets offers convenient, affordable parking for all students. Students need their university ID to enter and rates are posted at the entrance. On the first floor is the Admissions Welcome Center and Off-Campus Student Services's The Den, a multifunction lounge space for commuting Wildcats. The Den has an area of soft seating with numerous mobile device charging stations. There is also a kitchen and dining area, with tables and chairs for dining, a microwave, a refrigerator and vending machines. Wi-Fi is available throughout the space. There is also a Pharos printing system to afford students the opportunity to print, a multipurpose audiovisual system and numerous hi-definition TV monitors.

The RICHMOND BUILDING at 270 Weybosset St. houses Information Technology and the Faculty Center for Academic Excellence, Instructional Design Technology, as well as the Providence Police Department District 1 Substation.

CAMPUS SAFETY & SECURITY administrative and operations headquarters are located at 264 Weybosset St.

The STUDENT SERVICES CENTER at 274 Pine St. houses Student Academic Services, Student Financial Services, student ID cards, inactive records and JWU Global, which contains the International Student Services Office and Study Abroad.

The TACO CENTER FOR BUSINESS AND ARTS & SCIENCES at 10 Abbott Park Place houses classrooms and faculty offices for the economics department, the science department and a media and communications lab on the first floor. Criminal Justice Lab is on the fifth floor.

WALES HALL at 8 Abbott Park Place houses the Downcity fitness center, shower and locker rooms and the commuter lounge on the lower level, and the Pepsi Forum auditorium and Student Payroll on the first floor. The second floor houses Counseling Services and Community Relations. The third floor houses Health Services for the Downcity Campus. The fourth and fifth floors are home to JWU's Human Resources & Payroll.

The XAVIER COMPLEX at 259 Pine St. (at Broad and Claverick streets) houses classrooms, faculty offices, a variety of computer and word processing labs, and Schneider Auditorium. This complex also houses the College of Hospitality Management and College of Business. The Sports, Entertainment and Event Management lab, Bistro 61 and a hospitality beverage lab are on the first floor.

XAVIER HALL in the Xavier Complex includes an interdenominational chapel; the Bridge for Diversity, Equity & Social Justice; and a residence hall with laundry facilities.

THE YENA CENTER at 111 Dorrance St. houses the main library and library administrative offices, the Academic Success Center, undergraduate Admissions (except culinary), D'Amico Auditorium, Catering and Special Events, and the university's offices for administration, Advancement & University Relations, and Alumni Relations, as well as Wildcat Café.

#### **Academic Facilities and Administrative Offices — Harborside Campus**

The CUISINART CENTER FOR CULINARY EXCELLENCE at 333 Shipyard St. is where the College of Food Innovation & Technology is based. This also includes College of Food Innovation & Technology faculty offices, deans' and administrative offices, the Coors Brewing Laboratory and the International Baking & Pastry Institute.

The center includes hot and cold kitchens, bakeshops and pastry shops, dining rooms, meatcutting and meat processing rooms, receiving and storeroom, an oenology and beverage service laboratory, and culinary purchasing offices.

The GRACE WELCOME CENTER at 120 Harborside Blvd. is the location for Culinary and Graduate Admissions. The facility includes a 70-seat presentation room, Galleria of Culinary Artifacts, conference room and welcome area, as well as staff office space.

HARBOR VIEW at 1150 Narragansett Blvd. in Cranston houses a large student dining hall, kitchen and commissary, and a residence hall with laundry facilities. The Auxiliary Services department offices are located on the first floor.

THE HARBORSIDE ACADEMIC CENTER (HAC) at 265 Harborside Blvd. houses department faculty offices for the College of Food Innovation & Technology, Ecolab Center for Culinary Science, Health Services for the Harborside Campus, as well as the department chairs of culinary arts and food service management.

Academic facilities include classrooms, the chocolate and sugar lab, and the baking technology lab. CAFE, the Culinary Arts Foodservice Exposition, is an addition to the Harborside Academic Center and features state-of-the-art kitchens and laboratories, bakeshops, a food science and product development lab, and the Cinças Dining Room used by culinary arts students. HAC also contains a Starbucks, Harborside Café, the University Office of Culinary Education, microbiology lab, a multimedia center, the HAC Amphitheater, Culinary Special Services and the Harborside Computer Center, containing 156 computers, five computer labs and an administrative staff area.

THE FRIEDMAN CENTER at 321 Harborside Blvd. houses Experiential Education & Career Services, International Student Services, Residential Life, Student Academic Services, and Student Financial Services.

Also located in this building are the Alan Shawn Feinstein Center for Academic Success Center, Culinary Arts Museum at JWU, Larry Friedman Center for Entrepreneurship, College of Food Innovation and Technology (CFIT) lab, Harborside Campus Library, Printing & Mailing Services, Harborside Substation of Campus Safety & Security, Liberty Market, Special Events staff, warehouse, administrative offices of Facilities Management, classrooms, offices of Student Affairs, Community Standards and Conduct, and department faculty offices for the John Hazen White College of Arts & Sciences, College of Food Innovation & Technology, College of Management, Graduate Studies faculty and Information Technology.

The WILDCAT CENTER at 305 Shipyard St. houses Providence Police Substation for District 13, Athletics, two gymnasiums, student life programming space, game room, fitness center, the university's Harborside Bookstore (operated by Follett Higher Education Group) and Student Involvement & Leadership.

### Computer Laboratories

Johnson & Wales University has computer labs available for students to use email, Internet Explorer, Microsoft Office, jwuLink and more. Additional labs are available to students enrolled in classes that teach specialty software or technology.

Students must have an active JWU email account to access lab computers. Documents can be saved to student-acquired USB drives or they can be attached to and sent through email. Students cannot save files onto computers in the labs.

Computer labs are at the following locations:

#### Downcity Campus

Xavier Computer Labs  
Xavier Academic Complex — 2nd floor  
259 Pine St., Providence, Rhode Island  
401-598-1537

#### Harborside Campus

Harborside Computer Labs  
Harborside Academic Center  
265 Harborside Blvd., Providence, Rhode Island  
401-598-1592

### Residence Halls

All halls are coeducational and smoke free. All are cable and internet ready. During the first two weeks of the fall semester, each room is provided with a MicroFridge<sup>®</sup>, which students may opt to rent for the rest of the year, with the exception of Renaissance Hall and Harborside Village, which feature full-size refrigerators. Students are allowed only one MicroFridge per room.

#### Downcity Campus

##### Imperial Hall

15 Hospital St., Providence, Rhode Island  
401-598-1166

Imperial Hall is a residence facility containing single-, double-, triple- and some quad-occupancy rooms. Single- and double-occupancy rooms on the second and third floors have private baths, at a slightly higher cost than the first floor. The first floor of Imperial offers community bathrooms as well as an on-site kitchen, plus community space on the lower level. It is reserved primarily for upperclassmen. Student parking is not available at this hall.

##### McNulty Hall

101 Pine St., Providence, Rhode Island  
401-598-4797

McNulty Hall is located adjacent to The Yena Center (library) at the Pine Street perimeter of Gaebe Commons. McNulty houses first-year students, and features double-, triple- and quad-occupancy rooms, all of which are air conditioned and have private baths. McNulty also features laundry rooms and a variety of common areas for study and recreational use. Student parking is not available at this hall, although private parking is available from vendors in nearby lots.

##### Renaissance Hall

101 Cedar St., Providence, Rhode Island  
401-598-2800

Renaissance Hall is located at the corner of Dean and Cedar streets, near the historic Federal Hill section of Providence. Renaissance houses first-year, international and upper-class students. Located on a regular university

bus route, it is close enough to classes that many students choose to walk together to class. This facility provides suite-style living with primarily four residents in each unit. Equipped with kitchens and private baths, this facility also maintains a recreation room and study rooms, as well as a laundry room. Limited university student parking is available through a lottery process for upperclassmen. There is no meal plan included at this hall. Students can purchase Wildcat Meals from Student Academic & Financial Services.

##### Snowden Hall

32 Page St., Providence, Rhode Island  
401-598-1025

Snowden Hall, available at a slightly higher cost, contains double-, triple- and quad-occupancy rooms with private baths and air conditioning. Residents of this hall are a mix of first-year and upper-class students. It also houses a dining center featuring grilled-to-order items and signature sandwiches at the Clock Tower Deli & Market. Student parking is not available at this hall.

##### Xavier Hall

60 Broad St., Providence, Rhode Island  
401-598-1496

Xavier Hall, adjacent to the Xavier Academic Complex, has a limited number of single-occupancy rooms for upper-class students, and double-, triple- and quad-occupancy rooms available for first-year students. Student parking is not available at this hall.

#### Harborside Campus

##### East Hall (401-598-1189)

##### West Hall (401-598-1155)

##### South Hall (401-598-4720)

2 Washington Ave., Providence, Rhode Island

East, West and South Halls are neighboring residence halls located on the Harborside Campus near academic and student service facilities. Primarily for culinary and baking & pastry arts students, rooms in East Hall and South Hall house four residents. West Hall offers triple rooms. Each hall has community bathrooms, a laundry room, study room and recreation room. University student parking is available to all with a valid sticker.

##### Harbor View

1150 Narragansett Blvd., Cranston, Rhode Island  
401-598-1154

Harbor View is located on the Cranston-Providence line and overlooks Narragansett Bay. It is within walking distance of the Harborside Campus. Harbor View contains triples and some quads with private baths, as well as a dining center, recreation room with a large-screen TV, and study room. It is reserved for upper-class and some first-year students. There is limited parking available.

##### Harborside Village

100 Harborside Blvd., Providence, Rhode Island  
401-808-6000

Open to juniors and seniors, Harborside Village is comprised of 12 individual buildings with 12 four-person apartment units in each. Apartments are fully furnished and feature four single, private bedrooms; two private bathrooms; an eat-in kitchen; a common room; and a washer/dryer unit (no card or coin required). An on-site community building houses village resident mailboxes, a function room, a game room and the community management office. Parking is available through a lottery process. Residents of Harborside Village are required to agree to abide by a community policy agreement as a condition to residing in Harborside Village. There is no meal plan included at this hall. Students can purchase Wildcat Meals from Student Academic & Financial Services.

##### Centennial House

135 Norwood Ave., Cranston, Rhode Island

Centennial House, located a short distance from the Harborside Campus and open to sophomores and juniors, is a nontraditional housing option, different from that of a residence hall. Opened in 2013, Centennial House houses approximately 35 residents in a cooperative-style living environment focused on self-governance and community service.

### Campus Dining

JWU is in a unique position to provide students with quality food service. Culinary arts and hospitality students, as part of their laboratory training,



provide much of the food service at the university, under the supervision of professional chef-instructors.

The following dining centers are available for students on a meal plan and their guests: Harbor View Dining Center, Harborside Café, Willie's Grab & Go, Snowden Dining Center/Clock Tower Deli & Market, as well as three Starbucks which are located on the Downcity and Harborside campuses.

Information on meal plans can be found in the Student Handbook.

### University Library Network

The Johnson & Wales University library network is comprised of the libraries on the JWU campuses in Providence, Rhode Island and Charlotte, North Carolina, and combines traditional library services with a dynamic online information environment tailored to meet the needs of Johnson & Wales students on and off campus.

Staffed by graduates of ALA-accredited master's degree programs in library and information science, the library is committed to the development of lifelong learning skills and information literacy in all JWU graduates. Its key mission is enhancing the pedagogical, professional and scholarly achievements of JWU faculty. During operating hours, staff is available to offer assistance on how to effectively use library resources and find the most pertinent information for assignments.

An important aspect of the library is the access it provides to resources, services and facilities shared by the Higher Education Library Information Network (HELIN), a southern New England consortium of academic libraries.

The main Johnson & Wales University library facility in Providence occupies the first two floors of The Yena Center at 111 Dorrance St. on the Downcity Campus. It houses the largest of the university library network's book, journal and AV resource collections as well as the administrative offices of the dean of university libraries. Other resources include access to numerous research databases, Mac and Windows computer workstations, wide-bed scanners, group study rooms with LED monitors, private study carrels, soft seating, an electronic classroom, wireless internet connectivity throughout the facility, and the Wildcat Café. During the academic year the library is open seven days a week with extended hours during exam periods.

Library collections and services at the Harborside Campus are located in The Friedman Center at 321 Harborside Blvd., and primarily support the curricula of the College of Food Innovation & Technology, with resources also available for graduate studies in business and education. Like its Downcity Campus counterpart, this facility provides access to research databases, computer workstations, group study rooms with LED monitors, and wireless internet connectivity, as well as numerous books, periodicals and AV resources. In addition, the library holds an important collection of restaurant menus from around the world. Many of these menus are now available online in the JWU Scholars Archive, an open-access digital repository of faculty publications, student scholarship and image files unique to the university.

### Culinary Arts Museum at Johnson & Wales University

As an extension of JWU Library, the Culinary Arts Museum on the Harborside Campus, stores and exhibits hundreds of historic artifacts associated with the fields of culinary arts, food studies and hospitality. It serves as a widely recognized educational resource for Johnson & Wales University, food scholars, and practitioners within the food service industry. Its primary objective is to preserve and interpret the broad culinary and hospitality heritage addressed by the university curriculum, showcasing its substantial historic collections as well the work of students, faculty, alumni and distinguished visiting chefs. Through exhibitions and special events, the museum strives to interpret the evolution of food preparation and presentation, development of culinary equipment and technology, diverse menus offered, and places where people dine.

Students and researchers can access digitized images of museum collection objects, and identify book, journal and artifact holdings through the museum's online catalog. The museum also offers ample seating and bookable presentation space for student use, with Wi-Fi connectivity throughout.

Visit the Providence Campus library web page for links to library and museum online resources, user guides, contact information and hours of operation.

## Accreditations, Approvals and Memberships

### Accreditation

Johnson & Wales University is accredited by the New England Commission of Higher Education (the "Commission"; formerly the Commission on Institutions of Higher Education of the New England Association of Schools and Colleges Inc.). This accreditation encompasses the university's campuses in Providence, Rhode Island; and Charlotte, North Carolina, and its online programs.

Accreditation of an institution of higher education by the Commission indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Commission is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the accreditation status by the Commission should be directed to:

Johnson & Wales University  
Office of the Provost — Yena Center, 3rd floor  
111 Dorrance Street  
Providence RI 02903  
Phone: 401-598-2087

Individuals may also contact NECHE with inquiries regarding accreditation status:

New England Commission of Higher Education  
3 Burlington Woods Drive, Suite 100  
Burlington, MA 01803-4531  
Phone: 781-425-7785  
Email: info@neche.org

Legal control is vested in the Johnson & Wales University Board of Trustees.

The university is authorized under federal law to enroll nonimmigrant alien students.

JWU is listed in the Database of Accredited Postsecondary Institutions and Programs (DAPIP ID: 141893) issued by the U.S. Department of Education.

### State Licensing & Authorizations

**Providence Campus:** The State of Rhode Island has chartered Johnson & Wales University as a nonprofit degree-granting institution of higher learning.

**Charlotte Campus:** The Board of Governors of the University of North Carolina has licensed Johnson & Wales University under G.S. § 116-15 to conduct degree activity in North Carolina.

### Distance Education/State Authorization Reciprocity Agreement (SARA)

Johnson & Wales University offers online bachelor's, master's and doctoral degree programs through its College of Professional Studies and is approved as a member of the State Authorization Reciprocity Agreements (SARA). SARA is a national initiative to provide more access to online courses while maintaining compliance standards with state regulatory agencies. SARA allows institutions to provide online courses outside of their own state borders by seeking and maintaining state approvals via a streamlined process. Visit the SARA website for more information.

**SARA Approval of JWU:** On May 3, 2016, the National Council for State Authorization Reciprocity Agreements (NC-SARA) approved institutional participation for Johnson & Wales University. The State of Rhode Island, through the Rhode Island Office of the Postsecondary Commissioner, approved Johnson & Wales University to participate in NC-SARA on April 14, 2016. NC-SARA is a voluntary, regional approach to state oversight of postsecondary distance education. As a SARA member in the State of Rhode Island, Johnson & Wales University is authorized to provide distance education to students in all of the other SARA states (detailed below).

**Current SARA Member Jurisdictions:** Current authorized jurisdictions subject to the State Authorization Reciprocity Agreement (SARA) and the National Council for SARA (NC-SARA) standards include 49 states (all



but California) and the District of Columbia, Puerto Rico and the U.S. Virgin Islands. Information on Student Complaint Processes for students enrolled in the College of Professional Studies is available online. California has its own process for the filing of complaints by online students living in that state that is discussed under Student Complaint Process for Online Students in Non-SARA Jurisdictions.

### **Programmatic Accreditation**

#### **Providence Campus — B.S. Dietetics and Applied Nutrition Program**

The Providence Campus Dietetics and Applied Nutrition program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), located at 120 South Riverside Plaza, Suite 2190, Chicago, IL, 60606-6995; phone: 800-877-1600, ext. 5400; email (ACEND@eatright.org). The Providence Campus Didactic Program in Dietetics (DPD) meets the standards of education set by ACEND.

#### **Providence Campus — M.S. Physician Assistant Studies (M.S.P.A.S.)**

The Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA) has granted Accreditation-Continued status to the Johnson & Wales University Physician Assistant Program sponsored by Johnson & Wales University. Accreditation-Continued is an accreditation status granted when a currently accredited program is in compliance with the ARC-PA Standards.

Accreditation remains in effect until the program closes or withdraws from the accreditation process or until accreditation is withdrawn for failure to comply with the Standards. The approximate date for the next validation review of the program by the ARC-PA will be September 2027. The review date is contingent upon continued compliance with the Accreditation Standards and ARC-PA policy.

The program's accreditation history can be viewed on the ARC-PA website.

#### **Providence Campus — Occupational Therapy Doctorate (OTD)**

The Johnson & Wales University Entry-Level Occupational Therapy Doctorate (OTD) Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929; phone: 301-652-AOTA.

Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

### **Institutional Memberships**

Association to Advance Collegiate Schools of Business (AACSB)  
Accreditation Council for Education in Nutrition and Dietetics (ACEND)  
American College Health Association (ACHA)  
American Council on Education (ACE)  
American Student Government Association (ASGA)  
Association of American Colleges & Universities (AAC&U)  
Association of College and University Housing Officers-International (ACUHO-I)  
Association of Governing Boards (AGB)  
Association of Independent Colleges & Universities of Rhode Island (AICU-RI)  
Association on Higher Education and Disability (AHEAD)  
Coalition of Occupational Therapy Advocates for Diversity (COTAD)  
College and University Professional Association for Human Resources (CUPA-HR)  
College Board  
Council for Higher Education Accreditation (CHEA)  
DECA Inc.  
Federation of Dining Room Professionals (FDRP)

International Association of Campus Law Enforcement Administrators (IACLEA)

International Council on Hotel, Restaurant, and Institutional Education (ICHRIE)

NASPA, Student Affairs Administrators in Higher Education

National Association for Campus Activities (NACA)

National Association for College Admission Counseling (NACAC)

National Association of Campus Card Users (NACCU)

National Association of College Auxiliary Services (NACAS)

National Association of Colleges and Employers (NACE)

National Association of College and University Attorneys (NACUA)

National Association of College and University Business Officers (NACUBO)

National Association of Educational Procurement (NAEP)

National Association of Independent Colleges and Universities (NAICU)

National Collegiate Honors Council (NCHC)

National Retail Federation (NRF)

New England Museum Association (NEMA)

New England Occupational Therapy Education Council (NEOTEC)

Northeast Regional Computing Program (NERCOMP)

Northeastern Educational Research Association (NERA)

Physician Assistant Education Association (PAEA)

Retail Bakers of America (RBA)

University Professional and Continuing Education Association (UPCEA)

World Association for Cooperative & Work-Integrated Education (WACE)

## **Affiliations**

Johnson & Wales University, its faculty and members of the administrative staff hold affiliations with numerous organizations.

A description of written arrangements that the university has with other organizations to provide a portion of any university program of study is available upon request. For more information, please contact Student Financial Services.

## **Notice of Nondiscrimination**

Johnson & Wales University does not discriminate on the basis of race, color, national origin, age, sex, sexual orientation, religion, disability, gender identity or expression, genetic information, marital status, pregnancy, veteran status, or any other legally protected status in its programs, activities or employment. It admits qualified students to all the rights, privileges, programs and activities generally accorded or made available to students at the university.

Johnson & Wales University has instituted these policies to ensure a nondiscriminatory environment and to meet legal requirements, including but not limited to Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Title VII of the Civil Rights Act of 1964, and the Americans with Disabilities Act of 1990.

Johnson & Wales University also does not tolerate harassment of any kind. The university prohibits sexual harassment and sexual misconduct, which are a form of sex discrimination.

Inquiries regarding application Title IX and its implementing regulation and any inquiries regarding the university's nondiscrimination and harassment policies can be made to

Title IX Coordinator/Nondiscrimination Coordinator/Section 504 Coordinator  
Equity & Compliance Services  
8 Abbott Park Place, Providence, RI 02903  
401-598-2703 / titleix@jwu.edu

Refer to the JWU Equity & Compliance Services webpage for more information ([www.jwu.edu/compliance](http://www.jwu.edu/compliance)).

Providence Campus Incident Reporting Form  
Charlotte Campus Incident Reporting Form

Inquiries concerning the application of the notice of nondiscrimination may also be referred to the appropriate governmental agencies listed below:

The Office for Civil Rights, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC, 20202-1100, 800-421-3481

#### **Rhode Island**

Equal Employment Opportunity Commission, John F. Kennedy Federal Building, 475 Government Center, Boston, MA 02203, 617-565-3200  
Rhode Island State Commission for Human Rights, 180 Westminster St., 3rd Floor, Providence, RI 02903-3768, 401-222-2661

#### **Massachusetts**

Equal Employment Opportunity Commission, John F. Kennedy Federal Building, 475 Government Center, Boston, MA 02203, 617-565-3200  
Massachusetts Commission Against Discrimination, One Ashburton Place, 6th Floor, Room 601, Boston, MA 02108, 617-994-6000

#### **North Carolina**

Equal Employment Opportunity Commission, 129 West Trade St., Suite 400, Charlotte, NC 28202, 800-669-4000  
North Carolina Human Relations Commission, 116 W. Jones St., Suite 2109, Raleigh, NC 27601, 919-807-4420 (Mailing Address: North Carolina Human Relations Commission, 1318 Mail Service Center, Raleigh, NC 27699-1318)

## Corporation and Trustees

### **Board of Trustees**

- James H. Hance Jr., chair of the board of trustees, Johnson & Wales University; operating executive, The Carlyle Group, Washington, D.C.
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- Rory Senerchia, Ph.D., associate dean
- Aimee Dufresne, Ph.D., assistant dean

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- Domenic A. Vavala, Ph.D., FRSH, professor emeritus of health sciences & nutrition; B.A., Brown University; M.S., University of Rhode Island; M.A., Trinity University; M.Ed., University of Houston; Ph.D., Accademia di Studi Superiori Minerva; Sc.D., Med. Sc.D., Dr PH, Nobile Accademia di Santa Teodora Imperatrice (hon.); Ped.D., Studiorum Universitas Constantiniana (hon.); Litt.D., Universita Internazionale Sveva Federico, II; Ed.D., Accademia di San Cirillo (hon.); LLD (hon.), Fridericus II University; M.D. (hon.), Fridericus II University; D.H.S. (hon.), Johnson & Wales University; fellow, American Association for the Advancement of Science; fellow, Texas Academy of Science; fellow, American Institute of Chemists; fellow, Royal Society of Health (London)

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- Angela R. Renaud, Ed.D., dean emeritus, John Hazen White College of Arts & Sciences; B.A., University of Rhode Island; M.A., University of Rhode Island; Ed.D., Boston University
- Thomas J. Farrell, M.A., dean emeritus, John Hazen White College of Arts & Sciences; B.A., University of Notre Dame; M.A., University of Rhode Island

### **Department Chairpersons**

- Jacquelyn Bowser, D.V.M., Ph.D., DACVIM-LA, department chair, equine studies
- Maureen Farrell, Ph.D., department chair, humanities
- Evelina Lapierre, Ph.D., department chair, mathematics
- David Newman, M.A., department chair, social sciences
- Scott Palmieri, Ph.D., department chair, English
- Paul Sylvestre, Ph.D., department chair, criminal justice

### **Faculty**

#### **Criminal Justice**

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- Allison Butterfield, M.A., assistant professor; B.A., Castleton University; M.A., M.S.W., State University of New York — Albany
- James Desmarais, J.D., professor; A.S., Johnson & Wales University; B.S., Roger Williams University; J.D., New England School of Law
- Daniel Driscoll, M.S., associate professor; B.S., Bryant College; B.A., Roger Williams University; M.S., Salve Regina University

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- Karen Shea, M.Ed., professor; B.A., Connecticut College; M.Ed., Rhode Island College
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- Evan Villari, M.F.A., associate professor; B.A., University of Rhode Island; M.F.A., Lesley University
- Wendy Wagner, Ph.D., professor; B.A., Cornell University; M.A., Ph.D., Duke University
- Christopher Westgate, Ph.D., professor; B.S., Cornell University; M.A., Columbia University; Ph.D., Texas A&M University
- Carla White, Ph.D., associate professor; B.A., Wheelock College; M.A., University of Rhode Island; Ph.D., Capella University
- Erin Wynn, M.A., associate professor; B.S., New York University; M.A., Hunter College

#### Equine Studies

- Jacquelyn Bowser, D.V.M., Ph.D., DACVIM-LA, professor, department chair; B.Sc., Cornell University; D.V.M., St. George's University College of Veterinary Medicine, Grenada, West Indies; Ph.D., Mississippi State University College of Veterinary Medicine
- Erin Cardea, M.Ed., associate professor; B.S., William Woods University; M.S., The Royal Dick School of Veterinary Medicine at University of Edinburgh; M.Ed., William Woods University, PATH Intl. Advanced CTRI, Certified Horsemanship Association Master Instructor and Certifier
- Dirk Fogg, MBA, associate professor; B.A., Skidmore College; MBA, Johnson & Wales University
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- Evelina Lapierre, Ph.D., professor; department chair; B.S., State University of New York — Binghamton; M.A., State University of New York — Albany; Ph.D., University of Rhode Island
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- Jaimie Stone, M.S., associate professor; B.A., State University of New York — Geneseo; M.S., University of Connecticut

#### Science

- Patricia Brady, Ph.D., professor; B.A., Cornell University; Ph.D., Brown University
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- Kristyn DeMarco, Ph.D., assistant professor; B.A., University of Pennsylvania; M.S., Virginia Polytechnic Institute and State University; Ph.D., George Mason University
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- Nicole Urban, Ph.D., associate professor; B.S., Tulane University; M.S., University of Alabama — Birmingham; Ph.D., Eastern Virginia Medical School & Old Dominion University

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- Cheryl Almeida, Ph.D., director, counseling psychology, professor; B.A., The College of Holy Cross; M.A., Assumption College; Ph.D., Boston College
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- Michaela DeCataldo, CAGS, associate professor; B.A., M.A., Rhode Island College; CAGS, Salve Regina University
- Kevin DeJesus, Ph.D., associate professor; B.A., Rhode Island College; M.E.S., Ph.D., York University



- Mari Dias, Ed.D., professor; B.A., M.A., Rhode Island College; Ed.D., Johnson & Wales University
- Jessica Fede, Ph.D., professor; B.A., Colgate University; M.A., Boston College; Ph.D., University of Massachusetts — Amherst
- Yesim Giresunlu, Ph.D., assistant professor; B.S., Old Dominion; M.A., University of Redlands; M.S., Ph.D., Old Dominion University
- Alexander Katkov, Ph.D., professor; B.S., Leningrad State University; M.A., Leningrad Institute of Economics and Finance; Ph.D., St. Petersburg University of Economics & Finance
- Lawrence LaFauci, M.S., associate professor; B.S., Providence College; M.S., Johnson & Wales University
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- Christine Stamm, Ed.D., professor; A.S., B.S., M.S., Johnson & Wales University; Ed.D., Boston University
- Qingbin Wang, Ph.D., associate professor; B.E., Shandong Institute of Technology; M.A., Renmin University of China; Ph.D., State University of New York — Albany

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### Faculty

#### Educational Leadership

- Felice Billups, Ed.D., professor; B.A., Tufts University; M.A., Rhode Island College; Ed.D., Vanderbilt University
- Stacey L. Kite, DBA, professor; B.S., M.S., Johnson & Wales University; DBA, University of Sarasota
- Victor D. Mercurio, Ed.D., associate professor; B.A. Boston College; M.Ed. Providence College; Ed.D. Boston College
- Jack Warner, Ed.D., associate professor; B.A., University of Vermont; M.Ed., Springfield College; Ed.D., Boston College

#### Teacher Education

- Ida Pappas, Ph.D., assistant professor; B.M., Duquesne University; M.M., Boston University; Ph.D., Lesley University

## College of Business

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- Debbie C. Howarth, Ed.D., interim assistant dean, College of Business

#### Department Chairpersons

- Timothy Howes, M.S., department chair, accountancy & finance and graduate business programs
- Diane McCrohan, MBA, department chair, marketing and management

#### Faculty Emeritus

- Bernard LaBush, B.S., CPA, chairperson emeritus — department of accountancy, associate professor of accounting; B.S., Bryant College
- Carol Randall, M.S., CBE, CRI, chairperson emeritus — Office Education Department; associate professor of office education; B.S., Bryant College; M.S., University of Rhode Island

- Paul Trznadel, Ph.D (hon.), professor; B.S., Husson College; MBA, Suffolk University; M.S., Salve Regina University; Ph.D. (hon.), Johnson & Wales University

### Faculty

#### Department of Accountancy and Finance

- Jaclyn Boichat, M.P.Ac., CPA, associate professor; B.S., Villanova University; M.P.Ac., Bryant University
- Elizabeth Cannata, MBA, CPA, associate professor; B.S., Stonehill College; MBA, Providence College
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- Stevan Labush, MBA, associate professor; B.S., MBA, Johnson & Wales University
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- Sara Jablon-Roberts, Ph.D., associate professor; B.A., University of Pennsylvania; MFA, New York University; Ph.D., Iowa State University
- Diane McCrohan, MBA, associate professor, department chair; B.S., University of Rhode Island; MBA, Bryant University
- Kristen Regine, DBA, professor; B.S., Johnson & Wales University; MSM, Lesley University; DBA, Argosy University
- Michelle Rego, Ph.D., professor; B.S., University of Massachusetts; MBA, Bryant University; Ph.D., University of Connecticut

### Graduate

#### Administration

- Timothy Howes, M.S., department chair of accountancy & finance and graduate business programs

#### Faculty

- Roger Achille, J.D., professor; B.A., Clark University; J.D., Suffolk University Law School
- Paul Boyd, Ph.D., professor; B.S., Union College; M.S., Arizona State University; Ph.D., University of Pennsylvania
- Timothy Howes, M.S., associate professor; B.A., University of New Hampshire; M.S., Boston College

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- Martin Sivula, Ph.D., professor; B.S., M.Ed., Fitchburg State College; Ph.D., University of Connecticut

## College of Engineering & Design

### Administration

- Francis X. Tweedie, Ed.D., dean
- Nicola LaManna, M.Ed., assistant dean

### Department Chairpersons

- Lisa Brunetti, Ed.D., department chair, information management & technology
- Deana Marzocchi, M.S., department chair, design
- Kathryn Parchesco, M.S., department chair, engineering
- Thomas Calabrese, Ph.D., department chair, computer science

### Faculty

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- Omar Abuzagheh, Ph.D., associate professor; B.S., Hashemite University; M.S., Ph.D., University of Bridgeport
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- Katharine Taylor, MBA, assistant professor; A.S., Bryant University; B.S., New England Institute of Technology; MBA, American Intercontinental University
- Doug Tondreau, M.S., assistant professor; B.A., University of Rhode Island; M.S., Boston University

#### Department of Design

- Tim Cox, M.F.A., associate professor; B.A., Harding University; M.F.A., Savannah College of Art & Design
- Jeff Drury, M.F.A., assistant professor; B.A., Rhode Island College; M.F.A., Rhode Island School of Design
- Jonathan Harris, MID, LEED-AP, associate professor; B.A., University of Wisconsin-Madison; MID, Rhode Island School of Design
- Karyn Jimenez-Elliott, M.F.A., associate professor; B.F.A., Moore College of Art & Design; M.F.A., University of the Arts
- Deana Marzocchi, M.S., associate professor, department chair; B.S., Rhode Island College; B.S., M.S., Salve Regina University
- Gail McCarthy, MBA, associate professor; B.A., Rhode Island College; MBA, Bryant University
- Walter Zesk, M.Arch., associate professor; B.A., Wesleyan University; M.Arch., Rhode Island School of Design

#### Department of Engineering

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- Kathryn Parchesco, M.S., associate professor, department chair; B.A., Marquette University; M.S., Johnson & Wales University
- Wai Yung, M.S., associate professor; B.S., M.S., University of Rhode Island

#### Department of Information Management & Technology

- Lisa Brunetti, Ed.D., associate professor, department chair; B.S., Johnson & Wales University; MBA, Providence College; Ed.D., Johnson & Wales University
- Deborah Canning, M.S., instructor; B.S., Syracuse University; M.S., California State University
- Diane Santurri, M.Ed., associate professor; B.S., Bryant University; M.Ed., Johnson & Wales University

## College of Food Innovation & Technology

### Administration

- Jason R. Evans, Ph.D., dean
- Susan Marshall, Ed.D., associate dean
- Gilbert Stansfield, MBA, assistant dean
- T.J. Delle Donne, M.A.T., CEC, assistant dean of culinary relations & special projects
- Bridget Sweet, EHS, CP-FS, executive director of food safety
- Erik E. Goellner, director of culinary purchasing & operations

### Department Chairpersons

- Jennifer Broderick, Ed.D., CHE, department chair, beverage and front of the house
- Michael D. Makuch, M.A.T., CEC, department chair, culinary arts
- Ted McCall, Ed.D., department chair, culinary academics
- Richard Miscovich, MBA, CABB, department chair, international baking & pastry institute

### Faculty Emeritus

- George O'Palenick, M.A.T., CCE, CEC, AAC, chef emeritus; M.A.T., Johnson & Wales University

### Faculty

- Rizwan Ahmed, B.S., associate instructor; University of Maine at Machias
- Jeffery D. Alexander, M.Ed, CABB, associate instructor; B.S., Johnson & Wales University; M.Ed., Johnson and Wales University
- Charles Armstrong, B.S., instructor; A.O.S., Culinary Institute of America; B.S., Johnson & Wales University
- John Aukstolis, A.S., instructor; A.S., Johnson & Wales University
- Marina Brancely, B.S., senior instructor; B.S., Johnson & Wales University
- Olga Bravo, M.F.A., assistant professor; B.F.A., SUNY New Paltz; M.F.A., Rhode Island School of Design
- Matthew Britt, M.Ed., assistant professor; BPS, Culinary Institute of America; M.Ed. Johnson and Wales University
- Jennifer Broderick, Ed.D., CHE, professor, department chair; Ed.D., Johnson & Wales University
- Robert L. Brown, MBA, CHE, associate professor; A.S., B.S., Johnson & Wales University; MBA, American Intercontinental University
- Tim Brown, B.S., CHE, senior instructor; B.S., The International Education Council
- Christoph Bruehwiler, CEPC, instructor
- John S. Chiaro, M.S., CEC, CCE, CHE, associate professor; B.A., Rhode Island College; M.S., Johnson & Wales University
- Thomas Choice, WSET, instructor
- Marc DeMarchena, M.A.T., WSET, FDRP, SWE, associate professor; A.O.S., B.S., M.A.T., Johnson & Wales University
- Richard DeMaria, M.A.T., assistant professor; B.S., University of Rhode Island; M.A.T., Johnson & Wales University
- John Dion, M.S., associate professor; A.O.S., Culinary Institute of America; B.S., M.S., Johnson & Wales University
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- Susan Lagalle, B.S., CEPC, senior instructor, department chair; B.S., Johnson & Wales University
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- Wyatt Maguire, B.S., associate instructor; B.S., Johnson & Wales University
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- Ted McCall, Ed.D., professor, department chair; M.A.T., Johnson & Wales University; Ed.D., Northeastern University
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- Joseph Melanson, M.A.T., CHE, associate professor; M.A.T., Johnson & Wales University
- Maura Metheny, B.F.A., assistant professor; B.F.A., Alfred University
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- Richard Miscovich, MBA, CABB, associate professor, department chair; B.A., Michigan State University; MBA, Johnson & Wales University
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- Neath Pal, instructor; Grand Diplome, La Varenne École de Cuisine
- Jennifer Parisi, M.S., CHE, assistant professor; M.S., New York University
- Robert Pekar, M.A.T., associate professor; A.O.S., Culinary Institute of America; A.S., Manchester Community College; B.S., M.A.T., Johnson & Wales University
- Jennifer Pereira, MBA, DWS, CWE, associate professor; B.A., New England Culinary Institute; MBA, Johnson & Wales University
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- Craig Piermarini, M.A.T., associate professor; A.S., B.S., M.A.T., Johnson & Wales University
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- David Ricci, instructor
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- Jaime Schick, M.Ed., assistant professor; B.S., M.Ed., Johnson & Wales University
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- Russ Zito, M.S., associate professor; A.O.S., B.S., M.S., Johnson & Wales University

## College of Health & Wellness

### Administration

- Laura J. Galligan, Ph.D., professor, dean
- Paul A. Ullucci Jr., Ph.D., D.P.T., professor, associate dean

### Department Chairpersons

- Cara Sammartino, Ph.D., M.S.P.H., associate professor, department chair, Health Science
- Kara Cucinotta, D.C.N., M.S., RDN, LDN, CNSC, associate professor, department chair, Dietetics and Applied Nutrition

### Occupational Therapy Doctorate

- Nancy Robert Dooley, Ph.D., OTR/L, associate professor, program director

### Physician Assistant Studies

- Thomas P. Meehan, Ph.D., PA -C, M.S.P.A.S., associate professor, program director

### Faculty

#### Health Science

- Jonathan Noel, Ph.D., associate professor; B.S., M.P.H., Ph.D., University of Connecticut
- Samantha Rosenthal, Ph.D., associate professor; B.S., Carnegie Mellon University; M.P.H., Ph.D., Brown University
- Cara Sammartino, Ph.D., M.S.P.H., associate professor, department chair; B.S., University of Vermont; M.S.P.H., Emory University — Rollins School of Public Health; Ph.D., Brown University

#### Nutrition & Dietetics

- Allison Acquisto, M.A.T., RDN, LDN, associate professor; B.S., University of Rhode Island; M.A.T., Johnson & Wales University
- Elizabeth Klingbeil, Ph.D., RDN, LDN, assistant professor; B.A., Concordia College; Ph.D., University of Georgia
- Kara Cucinotta, D.C.N., RDN, LDN, CNSC, associate professor; A.S., B.S., Johnson & Wales University; M.S., Boston University; D.C.N., Maryland University of Integrative Health
- Kerri Rush, M.S., RDN, LDN, CDOE, CVDOE, instructor; B.S., M.S., University of Rhode Island

#### Occupational Therapy Doctorate

- Jennifer Swanberg, Ph.D., OTR/L, professor and capstone coordinator; B.S., University of New Hampshire; M.M.H.S., Ph.D., Brandeis University
- Nancy Robert Dooley, Ph.D., OTR/L, associate professor, program director; B.S., Quinnipiac College; M.A., Ph.D., New York University
- Rebecca Lynn (Ricci) Simon, M.S., Ed.D., OTR/L, FAOTA, associate professor and academic fieldwork coordinator; B.A., Stonehill College; M.S., Tufts University; Ed.D., Northeastern University
- Shannon Strate M.S., OTD, OTR/L, assistant professor, B.S., University of Rhode Island; A.S., M.S.O.T., OTD, New England Institute of Technology

#### Physician Assistant Studies

- Craig Baillie, PA-C, M.Sc., assistant professor, B.S., Massachusetts College of Pharmacy & Health Science University; M.Sc., Massachusetts College of Pharmacy & Health Science University
- Ashley A. Hughes, PA-C, M.S., assistant professor, academic coordinator; B.S., University of New Haven; M.S.P.A.S., Northeastern University
- Aleko Kimbouris, PA-C, M.P.H., M.S.H.S., assistant professor; B.Sc., Worcester State University; M.P.H., M.S.H.S., The George Washington University
- Kelli Kruzal, PA-C, M.S.P.A.S., assistant professor, clinical coordinator; B.A., Canisius College; M.S.P.A.S., D'Youville College
- Diane Siedlecki, M.D., medical director; B.S., Niagara University; B.S., Rutgers University; M.D., Georgetown School of Medicine
- Mallory J. Sullivan, PA-C, M.P.A.S., assistant professor, associate clinical coordinator; B.S., Roger Williams University; M.P.A.S., Massachusetts College of Pharmacy and Health Sciences

# College of Hospitality Management

## Administration

- Jennifer A. Galipeau, Ed.D., interim dean, College of Hospitality Management
- Sean Daly, Ph.D., interim assistant dean, College of Hospitality Management

## Department Chairpersons

- Jane Boyland, M.S., CHE, department chair, The International Hotel School
- Lee A. Eskilsen, CVE, department chair, Sports, Entertainment, Event — Management
- Michael Sabitoni, M.S., CHE, department chair, Food & Beverage Management, International Travel & Tourism Studies

## Faculty

### Department of Food & Beverage Management

- Ronald I. Blum Jr., M.S., CHE, associate professor; B.A., Mercyhurst College; M.S., Johnson & Wales University
- Patricia Bowman, M.S., FMP, CHE, CFSP, associate professor; B.A., University of Wisconsin — Stout; M.S., Johnson & Wales University
- James E. Griffin, Ed.D., CEC, CCE, professor; B.S., M.S., Johnson & Wales University; Ed.D., Boston University
- Nicholas Makris, DBA, CHE, associate professor; B.S., MBA, Johnson & Wales University
- Dean A. Mistretta, MBA, assistant professor; A.S., Northern Virginia Community College; B.A., Curry College; MBA, Johnson & Wales University
- Michael Sabitoni, M.S., CHE, FMP, associate professor, department chair; A.S., B.S., M.S., Johnson & Wales University
- Matthew Samel, Ph.D., CHE, FMP, professor; A.S., B.S., MBA, Johnson & Wales University; Ph.D., Capella University
- Douglas Stuchel, M.A.T., CHE, associate professor; A.S., B.S., M.A.T., Johnson & Wales University
- Brian A. Van Gyzen, MBA, CHE, associate professor; A.A., Community College of Rhode Island; B.A., Rhode Island College; MBA, Johnson & Wales University
- Brian J. Warren, MBA, CHE, associate professor; B.A., Harvard University; MBA, University of Rhode Island

### Department of Sports, Entertainment, Event — Management

- Elizabeth Covino, M.S., CHE, associate professor; B.A., University of Connecticut; M.S., Springfield College
- Brenda Kay Eckler, MBA, CHE, associate professor; A.A.S., SUNY Cobleskill; A.A.S., Schenectady County Community College; B.B.A., SUNY Delhi; MBA, SUNY Albany
- Lee A. Eskilsen, M.S., CVE, CHE, associate professor, department chair; A.S., Dean College; B.S., Bowling Green State University; M.S., Indiana University
- William T. Klika III, Ph.D., CHE, RSCC\*E, associate professor; B.A., Lehigh University; M.A.T., Fairleigh Dickinson University; Ph.D., Concordia University, Chicago
- Elizabeth Panciera, MBA, CHE, associate professor; B.A., MBA, Johnson & Wales University
- Louis A. Pullano, M.S., CHE, associate professor; B.S., M.S., University of Rhode Island
- Julie Viscardi-Smalley, M.S., CHE, associate professor; B.M., M.S., Syracuse University

### Department of International Travel & Tourism Studies

- Kathleen Drohan, M.A.T., CHE, associate professor; B.S., University of Rhode Island; M.A.T., Johnson & Wales University
- Bryan J. Lavin, MBA, CHE, associate professor; B.S., Worcester State University; MBA, Johnson & Wales University
- Tiffany Rhodes, D.Min., CHE, associate professor; B.S., Millersville University of Pennsylvania; M.A., Multnomah University; M.Div., D.Min., Gordon Conwell in South Hamilton
- Michael Sabitoni, M.S., CHE, FMP, associate professor, department chair; A.S., B.S., M.S., Johnson & Wales University

## The International Hotel School

- Paul Bagdan, Ph.D., CHE, professor; A.O.S., A.S., Schenectady County Community College; B.S., University of Massachusetts; M.S., Rochester Institute of Technology; Ph.D., Kansas State University
- Jane Boyland, M.S., FMP, CHE, associate professor, department chair; A.O.S., Johnson & Wales University; B.S., University of New Hampshire; M.S., University of Massachusetts
- Catherine Davin, M.S., CHE, associate professor; B.S., M.S., Cornell University
- Leslie Kosky, M.Ed., CHE, associate professor; B.A., University of Delaware; M.Ed., University of Guam
- Mansour Moussavi, Ph.D., CHE, professor; B.S., Sheffield College, England; MBA, University of Scranton; Ph.D., Salve Regina University
- Dale M. Silva, MBA, CHE, associate professor; A.S., B.S., MBA, Johnson & Wales University
- Robert B. Wahl, M.S., CRME, CHE, associate professor; B.S., M.S., Johnson & Wales University
- Rex Warren, Ph.D., CHE, assistant professor; B.S., M.S., University of Nevada, Las Vegas; Ph.D., Iowa State University
- Peter Zacchilli, M.S., CHE, associate professor; B.S., University of Massachusetts; M.S., Lesley College

# College of Professional Studies

## Administration

- Cynthia L. Parker, Ed.D., vice president, College of Professional Studies
- David Cartwright, Ed.D., CPA, dean, College of Professional Studies
- Evan Grenier, M.Ed., director of online admissions
- Joshua McCarthy, MBA, director of admissions marketing and communications
- Matthew O'Brien, MBA, director of online student services
- Anice O'Connor, Ph.D., academic director of online programs
- Michael O'Malley, MBA, academic director of online programs
- Stephen Pyle, CHE, academic director of online programs
- Amy Ricci, Ed.D., director of online education
- TC Rogers, Ed.D., academic director of online programs

## Faculty

- Roger Achille, J.D., professor; B.A., Clark University; J.D., Suffolk University
- Nicole Amos, MBA, associate professor; B.A., Framingham State University; MBA, University of Massachusetts, Amherst
- Stephen Andrade, M.Ed., lecturer; B.A., University of Rhode Island; M.Ed., Northeastern University
- Paul Bagdan, Ph.D., CHE, professor; A.O.S., A.S., Schenectady County Community College; B.S., University of Massachusetts, M.S., Rochester Institute of Technology; Ph.D., Kansas State University
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- Ronald Blum, M.A., associate professor; B.A., Mercyhurst College; M.A., Johnson & Wales University
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- Lawrence LaFauci, M.S., associate professor; B.S., Providence College; M.S., Johnson & Wales University
- Jeri Langford, DBA, professor; B.S., Florida Atlantic University; MBA, Pfeiffer University; DBA, Argosy University
- Bryan Lavin, MBA, associate professor; B.A., Worcester State University; MBA, Johnson & Wales University
- Colleen Less, J.D., professor; B.A., University of Massachusetts; J.D., Suffolk University Law School
- Dawn Lopez, MBA, associate professor; B.S., MBA, Winthrop University
- Robert Lothrop, MBA, professor; A.A.S., B.S., Johnson & Wales University; MBA, University of Phoenix
- Pat MacEnulty, Ph.D., professor; B.S., University of Florida; M.A., Ph.D., Florida State University
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- David Newman, M.A., associate professor, department chair; B.A., Rutgers University; M.A., University of Chicago; M.A., Brown University
- Jonathan Noel, Ph.D., assistant professor; B.S., M.P.H., Ph.D., University of Connecticut
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- Mark Peres, J.D., professor; A.B., Rollins College; J.D., Florida State University
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- Louis Pullano, M.S., CHE, associate professor; B.S., M.S., University of Rhode Island
- Danielle Rado, Ph.D., professor; B.A., James Madison University; M.F.A., University of Notre Dame; Ph.D., University of Denver
- Kristen Regine, DBA, professor; B.S., Johnson & Wales University; M.S.M., Lesley College; DBA, Argosy University
- Michelle Rego, Ph.D., MBA, professor; B.S., University of Massachusetts; MBA, Bryant University; Ph.D., University of Connecticut
- Elizabeth Robson, J.D., associate professor; B.A., Boston College; J.D., Stetson University
- Colin Roche, Ph.D., CHE, FMP, CEC, CCE, professor
- Tiffany Rhodes, D.Min., associate professor; B.S., Millersville University of Pennsylvania; M.A., Multnomah University; M.Div., D.Min., Gordon Conwell in South Hamilton
- Kimberly Rosenbaum, M.H.A., associate professor; B.S., Johnson & Wales University; M.H.A., University of Las Vegas
- Michael Sabitoni, M.S., CHE, FMP, associate professor, department chair; A.S., B.S., M.S., Johnson & Wales University
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- Matthew Samel, Ph.D., CHE, FMP, professor; A.S., Hagerstown Community College; A.S., B.S., MBA, Johnson & Wales University; Ph.D., Capella University
- Diane Santurri, M.Ed., associate professor; B.S., Bryant University; M.Ed., Johnson & Wales University

- Desiree Schuler, M.A., associate professor; B.S., M.A., Rhode Island College
- Cynthia Sharp Carr, D.V.M., associate professor; D.V.M., The Ohio State University College of Veterinary Medicine
- Karen Shea, M.Ed., professor; B.A., Connecticut College; M.Ed., Rhode Island College
- James C. Sheusi, M.P.A., associate professor; A.A.S., Erie Community College; B.S., Buffalo State College; M.P.A., University of Rhode Island
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- Karen Silva-Sabitoni, Ed.D., professor, department chair; B.A., University of Massachusetts — Dartmouth; M.A., Rhode Island College; Ed.D., Boston University
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- Craig Skilling, M.S., associate professor; B.S., Florida State University; M.S., St. Thomas University
- Scott Smith, Ph.D., professor; B.S., State College of Denver; MBA, University of Colorado, Boulder; Ph.D., Colorado State University
- Gail St. Jacques, M.S., associate professor; B.A., Syracuse University; M.S., Salve Regina University
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- Ryan Tainsh, M.S., professor; B.A., M.S., University of Rhode Island
- Katharine Taylor, MBA, assistant professor; A.S., Bryant University; B.S., New England Institute of Technology; MBA, American Intercontinental University
- Magnus Thorsson, M.A., associate professor; A.S., Hotel & Catering School of Iceland; B.S., Johnson & Wales University; M.A., Bennington College
- Brian Van Gyzen, MBA, associate professor; A.A., Community College of Rhode Island; B.A., Rhode Island College; MBA, Johnson & Wales University
- Julie Viscardi-Smalley, M.S., associate professor; B.A., M.S., Syracuse University
- Geraldine E. M. Wagner, Ph.D., professor; B.A., Brooklyn College; M.A., Ph.D., Brown University
- Robert Wahl, M.S., CHE, associate professor; A.S., B.S., M.S., Johnson & Wales University
- Wendy Wagner, Ph.D., professor; B.A., Cornell University; M.A., Ph.D., Duke University
- Rex Warren, M.S., assistant professor; B.S., M.S., University of Nevada, Las Vegas
- Brian J. Warrener, MBA, CHE, associate professor; B.A., Harvard University; MBA, University of Rhode Island
- Christopher Westgate, Ph.D., professor; B.S., Cornell University; M.A., Columbia University; Ph.D., Texas A & M
- Carla White, Ph.D., associate professor; B.A., Wheelock College; M.A., University of Rhode Island; Ph.D., Capella University
- Alistair Williams, Ph.D., CHE, WSET, professor; B.S., Sheffield Hallam University; M.Sc., University of Huddersfield; Ph.D., Leeds Beckett University
- James Woods, Ph.D., assistant professor; MBA, Ball State University; M.A., Morehead State University; Ph.D., Purdue University
- Kelly Wolfe, M.F.A., associate professor; B.A., University of Tampa; M.F.A., George Mason University; M.F.A., American University
- David Woolever, M.Ed., assistant professor; B.A., Shepherd University; M.A., University of Colorado, Colorado Springs; M.Ed., East Carolina University
- Erin Wynn, M.A., associate professor; B.S., New York University; M.A., Hunter College
- Manasseh Zechariah, Ph.D., professor; B.Sc., Calcutta University; M.A., Jawaharlal Nehru University; Ph.D., University of California, Irvine
- Walter Zesk, M.S.E.M., associate professor; B.A., Wesleyan University; M.Arch., Rhode Island School of Design; M.S.E.M., Tufts University

## Department Directories \*

### University Administration

#### Office of the Chancellor

- Mim L. Runey, LP.D., chancellor
- Cara Rooney '05 MBA, director of executive services
- Emily Gilcreast '19 MBA, university secretary

#### Office of the Providence Campus President

- Marie Bernardo-Sousa, LP.D., '92, president, Providence Campus
- Tara McGee, B.A., executive assistant

#### Academic Administration

- Sandra G. Affenito, Ph.D., vice chancellor of academic administration
- Richard Wiscott, Ph.D., provost
- Jennifer Galipeau, Ed.D., associate provost
- Jay Caporale, M.S., special assistant to the provost

#### Office of the General Counsel

- Luba Shur, J.D., general counsel
- Sarah Julian Duffy, J.D., assistant general counsel

#### Academic Success Center

- TBD, director, Academic Success Center

#### Accessibility Services

- Nicole Hebert, M.S.W., LICSW, director of accessibility services
- Donna Della Porta, M.Ed., accessibility services advisor
- Hinda Levin-Kreiger, M.S., accessibility services advisor
- Fatima Martins Abbott, M.S.W., LICSW, learning effectiveness in action program advisor
- Shelly Olausen, M.Ed., accessibility services advisor
- Dawn Roland, M.Ed., accessibility services advisor

#### Campus Safety & Security

- LeRoy Rose, executive director of campus safety & security

#### Enrollment Management

- Kenneth Calamar, B.A., director of enrollment management information services
- Thomas Gauthier, M.S., director of educational partnerships
- Joe Magennis, B.S., director of university marketing
- Teresa Mauk, M.A., director of enrollment planning
- Joshua McCarthy, MBA, director of admissions marketing and communications
- Amy O'Connell, B.A., director of admissions
- Caroline Pelland, MBA, director of admissions operations
- Becky Pellegrino, B.S., director of enrollment management technology & analysis
- Christine Sullivan, B.S., director of admissions visitor program
- Dawn Sweeney, B.S., director of admissions representative network
- Cristina J. Torres, MBA, director of enrollment management operations

#### Equity & Compliance Services

- Matthias Rubekeil, J.D., Title IX coordinator, nondiscrimination coordinator and Section 504 coordinator
- KP Hunsinger, M.S., deputy Title IX coordinator
- Sandra Lawrence, B.S., CCEP, compliance associate
- Piya Sarawgi, MBA, equity & compliance services communications manager

#### Experiential Education & Career Services

- Sheri L. Young, Ed.D., dean of experiential education & career services
- Andrea Frost, MBA, director of experiential education
- Donna Remington, MBA, director of career services

#### Facilities Management/Physical Plant

- Jason Witham, vice president of facilities management



## Finance

- Joseph J. Greene Jr., M.S., CPA, vice chancellor of finance and administration
- Maria Rix, B.S., university controller
- Nancy J. O'Neill, CPCU, ARM, insurance and property risk manager

## Human Resources & Payroll

- Rebecca Tondreau, B.A., director of human resources
- Christine Oliver, B.S., director of benefits
- Diane Bonin, B.S., director of student employment
- Karen Almond, M.S., director of employee recruitment

## Information Technology

- Stephen A. Sabetta, MBA, PMP, director of IT project management
- Nicholas M. Tella, MBA, director of information security
- Peter Reid, director of IT infrastructure

## JWU Global

- Lynn Robinson, M.S., executive director of JWU Global
- Wesley D. Roy, M.S., director of international student services

## Library

- Rosita Hopper, D.A., dean of libraries
- Frederick Brown, M.L.S., reference management librarian
- Sarah Naomi Campbell, M.L.S., reference and instruction services librarian
- Jennifer Castel, M.L.S., reference librarian
- Erika Gearing, M.L.S., reference management librarian
- Meika Matook, M.L.S., reference librarian
- David Meincke, M.L.S., director of library digital resources and services
- Lisa Spicola, M.L.S., chief librarian
- Lisa Underhill, MBA, cataloging and interlibrary loan librarian
- Erin Williams, M.A., culinary arts museum collections manager

## Practicum Educational Facilities

- Michael Downing, M.S., CHA, FMP, vice president of auxiliary services
- Kenneth Watt, MBA, CEC, executive chef of auxiliary services

## Resource Development

- Tracy A. Forkin, B.S., director of stewardship & donor engagement
- Maureen Rooney, M.A., director of prospect research

## Student Academic Services

- Tammy Harrigan, B.S., university registrar
- Kimberly Buxton, M.S., director of student academic services
- Gail Nevadonski, B.S., registrar
- Cheryl Shatz, B.S., director of curriculum systems management
- Maria Tristao-Rocha, MBA, director of transfer and testing services
- Stacia White, M.A., director of academic counseling

## Student Financial Services

- Dawn Blanchette, B.S., director of student financial services
- Kathi Tavares, B.S., director of student billing and collections

## Student Affairs

- Joseph Barresi Jr., Ph.D., LICSW, LCDP, associate dean of students for counseling, health & wellness
- Mary E. Graf, M.A., MSS, associate dean of students
- Nev Kraguljevic, MBA, director of residential life
- Dana Garfield, M.Ed., director of athletics
- Korina Ramsland Short, M.S., director of the gender equity center
- Diane Riccitelli, M.S., director of off-campus student services
- Denise Neirinckx, B.S., director of transportation
- Stephanie Dixon, M.S.W., LICSW, director of counseling services
- Nicole Hebert, M.S.W., LICSW, director of accessibility services

## University Communications

- Clara Schwager, M.P.H., director of institutional and advancement marketing

\* This is only a partial listing.



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# John Hazen White College of Arts & Sciences

## Undergraduate

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- **Bachelor of Science (B.S.) Degree**
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- **B.S./M.S. Degree**
  - 3+2 B.S. Psychology/M.S. Addiction Counseling (p. 26)
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## Graduate

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  - Clinical Mental Health Counseling (p. 34)

## School of Education

- **Master of Arts in Teaching (M.A.T.)**
  - Master of Arts in Teaching (p. 56)
- **Master of Education (M.Ed.)**
  - Teaching and Learning (p. 69)

# 3+2 B.S. Psychology/M.S. Addiction Counseling

The College of Arts & Sciences offers students an opportunity to earn both their undergraduate and graduate degrees through its 3+2 B.S. Psychology/M.S. Addiction Counseling program. This program enables qualified students to earn, in a continuous plan of study, both a B.S. in Psychology and an M.S. in Addiction Counseling in five years.

Qualified students are able to complete 10 Core Counseling graduate courses that will count towards their undergraduate Psychology degree.

## Requirements

Eligible undergraduate students who would like to pursue a 3+2 B.S. Psychology/M.S. Addiction Counseling degree should apply directly to the 3+2 program by the end of their first year to take maximum advantage of this accelerated option. Students who qualify for the 3+2 degree will need to complete a formal application with Graduate Admissions by no later than the start of their junior year. Students must satisfy separate admission requirements for both undergraduate and graduate programs. Admission to the undergraduate program does not guarantee admission to the graduate program.

The M.S. degree in Addiction Counseling is run on a cohort model. Students who are accepted to the program will enter the summer after their junior year.

Qualified students who have already been accepted to the 3+2 B.S. Psychology/M.S. Addiction Counseling program will also need to complete a formal application with Graduate Admissions. When submitting the formal application to Graduate Admissions, the following must be submitted or completed:

1. A completed application for graduate admission, marking the M.S. Addiction Counseling box under the Special Programs Selection section
2. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
3. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study. A personal reference form may be substituted for the recommendation letters
4. Current résumé or CV
5. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, and MATH2001 Statistics I or RSCH2050 Workshop in Acquiring Social Research Skills).
6. Cumulative grade point average of 3.0 or higher
7. Personal interview

This program is currently offered at the Providence Campus. Please see the Admissions Requirements section of the catalog for more information.

## Psychology

A four-year program leading to the bachelor of science degree

### Major Courses

PSYC1001	Introductory Psychology	3
PSYC1020	Introduction to Professional Issues and Ethics in Psychology	3
PSYC2002	Abnormal Psychology	3
PSYC2030	Developmental Psychology	3
PSYC3001	Social Psychology	3
PSYC3010	Personality	3
PSYC3040	Introduction to Neuropsychology and Psychopharmacology	3
PSYC4200	Cultural Psychology	3
RSCH2050	Workshop in Acquiring Social Research Skills	3
RSCH4050	Research Seminar in Psychology	3

### Applied/Experiential Learning & Major Electives or Specialization in Counseling Psychology

Choose 6 credits from the following: *		6
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		

Choose six of the following (No more than two SOC-designated courses):\*\*

18

CJS2050	Criminology
CSLG2030	Counseling Theories and Techniques
CSLG2040	Introduction to Career and School Counseling
CSLG2110	Introduction to Family Treatment for Addictions Counselors
CSLG3001	Introduction to Case Management
CSLG3005	Introduction to Crisis Intervention
CSLG3010	Principles of Group Counseling
CSLG3040	Counseling Techniques for Addictions and Other Behavioral Disorders
CSLG3050	Introduction to Marriage and Family Therapy
PSYC2015	Human Sexuality
PSYC2020	Industrial/Organizational Psychology
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors
PSYC2100	Health Psychology
PSYC3200	Cognitive Psychology
PSYC3350	Psychology of Motivation and Leadership in the Workplace
PSYC3420	Criminalization of Mental Illness
PSYC4150	Psychology of Conflict Resolution
SOC2035	Sociology of Aging
SOC2040	Community Leadership: An Applied Sociology
SOC2070	Social Issues in Contemporary America
SOC3060	Deviant Behavior

Or

### Specialization in Counseling Psychology (24 credits)

CSLG2030	Counseling Theories and Techniques
CSLG3001	Introduction to Case Management
CSLG3005	Introduction to Crisis Intervention
CSLG3010	Principles of Group Counseling
CSLG4099	Internship in Counseling Psychology (6 credits) *

Choose two of the following:

CSLG2040	Introduction to Career and School Counseling
CSLG2110	Introduction to Family Treatment for Addictions Counselors
CSLG3040	Counseling Techniques for Addictions and Other Behavioral Disorders
CSLG3050	Introduction to Marriage and Family Therapy

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning 6

Two ILS courses, one at the 2000 level, one at the 4000 level

Arts and Humanities 6

Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL

Mathematics 6

MATH1002 A Survey of College Mathematics (or higher, based on student's placement)

MATH2001 Statistics I

or MATH2010 Introduction to Biostatistics

Science 3

Choose one of the following:

SCI1015 Introduction to Life Science

SCI1050 Nutrition

SCI2031 Anatomy and Physiology

Social Sciences 6

SOC1001 Sociology I

or SOC2005 Honors Seminar: Social Inequalities

One course from ANTH, ECON, GEND, LEAD, PSCI, PSYC or RES

A&S Electives 6

Two courses with an EASC attribute

Free Electives \*

\* Students use 6 credits of internship from Applied/Experiential Learning/Counseling Psychology and all 24 free elective credits for graduate-level courses in the Addictions Counseling M.S. during their fourth year.

\*\* Students are responsible for meeting prerequisites.

## Addiction Counseling

### Master of Science

#### Core Courses

CSLG5100	Advanced Career Counseling †	3
CSLG5150	Counseling Across the Lifespan †	3
CSLG5170	Multicultural Counseling: Theories and Techniques †	3
CSLG5250	Professional Orientation and Ethical Practice †	3
CSLG5300	Advanced Individual Counseling Theory and Techniques with Lab †	3
CSLG5350	Health and Wellness Counseling †	3
CSLG5400	Psychopathology and Treatment Planning †	3
CSLG5450	Testing and Assessment in Counseling	3
CSLG5500	Advanced Group Counseling Theories and Techniques with Lab †	3
CSLG5899	Counseling Practicum	3
CSLG6100	Advanced Co-Occurring Disorders and Addictions Counseling	3
CSLG6200	Counseling the Chemically Dependent and Their Families	3
CSLG6300	Chemical Dependency Case Management and Professional Development †	3
CSLG6500	Leadership in Agency Settings	3
CSLG6899	Counseling Internship	12
PSYC5200	Advanced Neuroscience and Psychopharmacology †	3
RSCH6100	Research and Theories in Addiction Counseling	3
Total Credits		60.0

† These graduate courses fulfill the bachelor of science requirements in the fourth year. Please note: The bachelor of science is not awarded until all graduate-level courses applying to the undergraduate degree have been successfully completed.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?



# 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling

The College of Arts & Sciences offers students an opportunity to earn both their undergraduate and graduate degrees through its 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling program. This program enables qualified students to earn, in a continuous plan of study, both a B.S. in Psychology and an M.S. in Clinical Mental Health Counseling in five years.

Qualified students are able to complete 10 Core Counseling graduate courses that will count towards their undergraduate Psychology degree.

## Requirements

Eligible undergraduate students who would like to pursue a 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling degree should apply directly to the 3+2 program by the end of their first year to take maximum advantage of this accelerated option. Students who qualify for the 3+2 degree will need to complete a formal application with Graduate Admissions by no later than the start of their junior year. Students must satisfy separate admission requirements for both undergraduate and graduate programs. Admission to the undergraduate program does not guarantee admission to the graduate program.

The M.S. degree in Clinical Mental Health Counseling is run on a cohort model. Students who are accepted to the program will enter the summer after their junior year.

Qualified students who have already been accepted to the 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling program will also need to complete a formal application with Graduate Admissions. When submitting the formal application to Graduate Admissions, the following must be submitted or completed:

1. A completed application for graduate admission, marking the M.S. Clinical Mental Health Counseling box under the Special Programs Selection section
2. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
3. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study. A personal reference form may be substituted for the recommendation letters
4. Current résumé or CV
5. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, and MATH2001 Statistics I or RSCH2050 Workshop in Acquiring Social Research Skills)
6. Cumulative grade point average of 3.0 or higher
7. Personal interview

This program is currently offered at the Providence Campus. Please see the Admissions Requirements section of the catalog for more information.

## Psychology

A four-year program leading to the bachelor of science degree

### Major Courses

PSYC1001	Introductory Psychology	3
PSYC1020	Introduction to Professional Issues and Ethics in Psychology	3
PSYC2002	Abnormal Psychology	3
PSYC2030	Developmental Psychology	3
PSYC3001	Social Psychology	3
PSYC3010	Personality	3
PSYC3040	Introduction to Neuropsychology and Psychopharmacology	3
PSYC4200	Cultural Psychology	3
RSCH2050	Workshop in Acquiring Social Research Skills	3
RSCH4050	Research Seminar in Psychology	3

### Applied/Experiential Learning & Major Electives or Specialization in Counseling Psychology

Choose 6 credits from the following: *		6
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education	
RSCH3830	Undergraduate Research Experience	

RSCH4020	Honors Directed Academic Experience	
Study Abroad		
Choose six of the following (no more than two SOC-designated courses): **		18
CJS2050	Criminology	
CSLG2030	Counseling Theories and Techniques	
CSLG2040	Introduction to Career and School Counseling	
CSLG2110	Introduction to Family Treatment for Addictions Counselors	
CSLG3001	Introduction to Case Management	
CSLG3005	Introduction to Crisis Intervention	
CSLG3010	Principles of Group Counseling	
CSLG3040	Counseling Techniques for Addictions and Other Behavioral Disorders	
CSLG3050	Introduction to Marriage and Family Therapy	
PSYC2015	Human Sexuality	
PSYC2020	Industrial/Organizational Psychology	
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors	
PSYC2100	Health Psychology	
PSYC3200	Cognitive Psychology	
PSYC3350	Psychology of Motivation and Leadership in the Workplace	
PSYC3420	Criminalization of Mental Illness	
PSYC4150	Psychology of Conflict Resolution	
SOC2035	Sociology of Aging	
SOC2040	Community Leadership: An Applied Sociology	
SOC2070	Social Issues in Contemporary America	
SOC3060	Deviant Behavior	

Or

Specialization in Counseling Psychology		
CSLG2030	Counseling Theories and Techniques	
CSLG3001	Introduction to Case Management	
CSLG3005	Introduction to Crisis Intervention	
CSLG3010	Principles of Group Counseling	
CSLG4099	Internship in Counseling Psychology (6 credits) *	

Choose two of the following:

CSLG2040	Introduction to Career and School Counseling	
CSLG2110	Introduction to Family Treatment for Addictions Counselors	
CSLG3040	Counseling Techniques for Addictions and Other Behavioral Disorders	
CSLG3050	Introduction to Marriage and Family Therapy	

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning 6

Two ILS courses, one at the 2000 level, one at the 4000 level

Arts and Humanities 6

Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL

Mathematics 6

MATH1002 A Survey of College Mathematics (or higher, based on student's placement)

MATH2001 Statistics I  
or MATH2010 Introduction to Biostatistics

Science 3

Choose one of the following:

SCI1015	Introduction to Life Science	
SCI1050	Nutrition	
SCI2031	Anatomy and Physiology	

Social Sciences 6

SOC1001 Sociology I  
or SOC2005 Honors Seminar: Social Inequalities

One course from ANTH, ECON, GEND, LEAD, PSCI, PSYC or RES

A&S Electives 6

Two courses with an EASC attribute

### Free Electives \*

\* Students use 6 credits of internship from Applied/Experiential Learning/Counseling Psychology and all 24 free elective credits for graduate-level courses in the Clinical Mental Health Counseling M.S. during their fourth year.

\*\* Students are responsible for meeting prerequisites.

## Clinical Mental Health Counseling

### Master of Science

#### Core Courses

CSLG5100	Advanced Career Counseling †	3
CSLG5150	Counseling Across the Lifespan †	3
CSLG5170	Multicultural Counseling: Theories and Techniques †	3
CSLG5250	Professional Orientation and Ethical Practice †	3
CSLG5300	Advanced Individual Counseling Theory and Techniques with Lab †	3
CSLG5350	Health and Wellness Counseling †	3
CSLG5400	Psychopathology and Treatment Planning †	3
CSLG5450	Testing and Assessment in Counseling	3
CSLG5500	Advanced Group Counseling Theories and Techniques with Lab †	3
CSLG5899	Counseling Practicum	3
CSLG6100	Advanced Co-Occurring Disorders and Addictions Counseling	3
CSLG6150	Advanced Individual Mental Health Counseling	3
CSLG6350	Mental Health Counseling for Families	3
CSLG6500	Leadership in Agency Settings	3
CSLG6899	Counseling Internship	12
PSYC5200	Advanced Neuroscience and Psychopharmacology †	3
RSCH6150	Research and Theories in Mental Health Counseling	3
Total Credits		60.0

† These graduate courses fulfill the bachelor of science requirements in the fourth year. Please note: The bachelor of science is not awarded until all graduate-level courses applying to the undergraduate degree have been successfully completed.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Addiction Counseling - M.S.

The Addiction Counseling Master of Science degree program at Johnson & Wales University is designed to prepare graduates to serve the community as addiction counselors after 18 months of full-time study. The primary goal of the program is to prepare master's-level clinicians with the counseling skills that integrate theoretical foundations of professional counseling into positive client interaction and intervention skills. The program emphasizes the development of attitudes, knowledge and skills essential in the formation of professional counselors who are committed to the ethical provision of quality services. In addition to the coursework required, students experience practicum and internship experiences under supervision of clinical professionals. Students who are preparing to specialize as addiction counselors are expected to possess the knowledge and skills necessary to address a wide range of issues in the context of addiction counseling, treatment and prevention programs, as well as in a broader mental-health counseling context.

Upon completion of this program, graduates are expected to:

- Demonstrate professional proficiency and exhibit familiarity with professional orientation and ethical practices as advocated by the American Counseling Association (ACA) Code of Ethics.
- Illustrate the importance of multicultural issues in the counseling profession when working with diverse clients.
- Provide illustrations of human growth and developmental theories framed in the principles of assessment and appraisal.
- Demonstrate planning and implementation of career development practices and theoretical perspectives.
- Show command of counseling theories and how to conceptualize cases from a wellness perspective.
- Exhibit knowledge of group dynamics, group leadership, group development and the ability to apply these concepts in a variety of group types.
- Implement basic and advanced assessment techniques in the framework of helping relationships.
- Demonstrate the role of research in advancing the counseling profession.
- Articulate and demonstrate knowledge and skills necessary to identify and treat behaviors and situations and apply counseling theories, models and approaches to individuals and groups who face addiction.

## Addiction Counseling

Master of Science

### Core Courses

CSLG5100	Advanced Career Counseling	3
CSLG5150	Counseling Across the Lifespan	3
CSLG5170	Multicultural Counseling: Theories and Techniques	3
CSLG5250	Professional Orientation and Ethical Practice	3
CSLG5300	Advanced Individual Counseling Theory and Techniques with Lab	3
CSLG5350	Health and Wellness Counseling	3
CSLG5400	Psychopathology and Treatment Planning	3
CSLG5450	Testing and Assessment in Counseling	3
CSLG5500	Advanced Group Counseling Theories and Techniques with Lab	3
CSLG5899	Counseling Practicum	3
CSLG6100	Advanced Co-Occurring Disorders and Addictions Counseling	3
CSLG6200	Counseling the Chemically Dependent and Their Families	3
CSLG6300	Chemical Dependency Case Management and Professional Development	3
CSLG6500	Leadership in Agency Settings	3
CSLG6899	Counseling Internship	12
PSYC5200	Advanced Neuroscience and Psychopharmacology	3
RSCH6100	Research and Theories in Addiction Counseling	3
Total Credits		60.0

## Biology - B.S.

The Biology bachelor's degree program provides a strong background of critical thinking skills and knowledge needed for further study in professional and graduate schools and for careers in biological science. The study of biology enables students to gain an understanding of the principles that govern life from the basic biochemistry of living cells to that of complex ecosystems. This understanding helps students identify and address the biological problems associated with human beings and their environments.

Upon completion of the program, graduates are expected to:

- Understand and apply the fundamental biological concepts of evolution, structure and function, information exchange and storage, and transformation of energy and matter to explain biological systems from molecules to communities.
- Communicate scientific information using oral and written arguments and visual presentation.
- Identify, evaluate and analyze scientific information.
- Apply the scientific method and critical thinking skills to address scientific questions.
- Apply mathematical and computational skills and interdisciplinary concepts and knowledge to interpret biological phenomena.
- Recognize ethical concerns pertaining to biological science and apply ethical practice in the scientific process.
- Evaluate the influence that biological science has on society, including the historical context of major findings in modern biology.

Upon completion of the Biomedical Science specialization, graduates are expected to:

- Apply fundamental concepts of microbiology, biochemistry and immunology to explain the cellular and molecular bases of host-microbial interactions.
- Apply fundamental concepts of human anatomy, human physiology, and histology to problem solve clinical situations.

Upon completion of the Environmental Studies specialization, graduates are expected to:

- Apply the core concepts and methods from economics, social, political and biological sciences to identify and address environmental problems.

Upon completion of the Plant Science specialization, graduates are expected to:

- Apply the fundamental concepts of plant anatomy, physiology, and diversity to cultivate, maintain the health of, and produce products from plants.

The courses in this program have been designed to provide students with a strong foundation in the fundamental principles of biology. The biology courses allow students to explore the molecular and cellular basis of life, structure and function of organisms, and ecological interactions of organisms. The physical science courses provide opportunities for students to break the barriers between traditional sciences and integrate their knowledge of biology, chemistry and physics, a practice that is essential to the future of scientific progress.

To support student success in the Biology program, science faculty members are committed to following best practices for science education. This includes using active learning pedagogies in the classroom and guided inquiry learning pedagogies in the laboratories and providing quality internships opportunities. These teaching pedagogies are student-centered, interactive and focused on problem-based learning. They provide students with multiple opportunities to gain experiential training and use critical-thinking skills, both of which are essential for being successful members of the scientific community.

Graduates are prepared for careers that include, but are not limited to, biological technicians, forensic scientists, environmental scientists, microbiologists, medical laboratory scientists, zoologists and wildlife biologists. The Biology degree program also prepares students to pursue careers in healthcare, education and business.

### Biology

A four-year program leading to the bachelor of science degree

#### Major Courses

BIO1022	General Biology - Organismal	3
BIO1026	General Biology Laboratory - Organismal	1
BIO2001	Genetics	3
BIO3040	Molecular Biology	3
BIO3046	Molecular Biology Laboratory	1
BIO3100	Coastal Ecology	3
BIO3106	Coastal Ecology Laboratory	1
BIO4020	Integrative Biology	3
BIO4026	Integrative Biology Laboratory	1
BIO4100	Senior Seminar in Biology	3

#### Major Electives or Specialization

Choose 16-18 credits of the following (at least two courses must be at 3000 level or higher)\* or Specialization listed below: †

BIO2021 & BIO2026	Functional Human Anatomy and Functional Human Anatomy Laboratory	16-18
BIO2041 & BIO2046	Human Physiology and Human Physiology Laboratory	
BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory	
BIO2510 & BIO2516	Plant Cultivation I: Soil, Soil Substitutes, and Disease Management and Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory	
BIO3010 & CHM3046	Principles of Biochemistry and Biochemistry Laboratory	
BIO3070	Evolution	
BIO3400	Fundamentals of Pharmacology	
BIO3510 & BIO3516	Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction and Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction Laboratory	
BIO4040 & BIO4046	Functional Histology and Functional Histology Laboratory	
BIO4070	Fundamentals of Immunology	
BIO4510 & BIO4516	Applications of Plants & Fungi and Applications of Plants & Fungi Laboratory	
CHM3200	Analytical Chemistry	
SCI3020	Sustainability Policy and Planning	
SCI3070	Food Sustainability	
SCI3080	The Business of Sustainability	
SCI4090	Research Seminar in Sustainability	

#### Applied/Experiential Learning

Choose 6 credits from the following:

ASCI4799	College of Arts & Sciences Internship <sup>1c</sup>	6
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3810	Undergraduate Laboratory and Field Research	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
	Study Abroad	

#### Related Professional Studies

CAR0010	Career Management	1
CHM1011	General Chemistry I	3
CHM1016	General Chemistry I Laboratory	1
CHM1022	General Chemistry II	3
CHM1026	General Chemistry II Laboratory	1
CHM2011	Organic Chemistry I	3
CHM2016	Organic Chemistry I Laboratory	1
CHM2022	Organic Chemistry II	3
CHM2026	Organic Chemistry II Laboratory	1
FYS1020	First-Year Seminar	1

#### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1040	Calculus I (or higher, based on student's placement) **	
MATH2010	Introduction to Biostatistics	
Science		4

BIO1011 & BIO1016	General Biology - Cellular and General Biology Laboratory - Cellular	6
<b>Social Sciences</b>		
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
<b>A&amp;S Electives</b>		
PHY1011 or PHY2011	General Physics I Physics I	8
PHY1016 or PHY2016	General Physics I Laboratory Physics I Laboratory	
PHY1022 or PHY2022	General Physics II Physics II	
PHY1026 or PHY2026	General Physics II Laboratory Physics II Laboratory	
<b>Free Electives #</b>		
15-16 credits selected from 1000-4999 numbered offerings within the university		15-16
<b>Total Credits</b>		122.0-125.0

\* Students are responsible for meeting prerequisites.

\*\* Students that do not place in MATH1040 Calculus I, will need to take an extra course(s), MATH1020 Fundamentals of Algebra, and/or MATH1030 Precalculus, as prerequisite(s). If needed one, or both, will count as a free elective(s).

#### †Specialization in Biomedical Science 22

Students must use 4 credits of free electives to complete this specialization

BIO2021 & BIO2026	Functional Human Anatomy and Functional Human Anatomy Laboratory	
BIO2041 & BIO2046	Human Physiology and Human Physiology Laboratory	
BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory	
BIO3010	Principles of Biochemistry	
BIO4040 & BIO4046	Functional Histology and Functional Histology Laboratory	
BIO4070	Fundamentals of Immunology	

#### †Specialization in Environmental Studies 22

Students must use 4 credits of free electives to complete this specialization

BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory	
BIO3070	Evolution	
SCI3020	Sustainability Policy and Planning	
SCI3070	Food Sustainability	
SCI3080	The Business of Sustainability	
SCI4090	Research Seminar in Sustainability	
SOC3200	Environmental Sociology ‡	

‡Students must use social science elective to take SOC1001 to satisfy SOC3200 prerequisite

#### †Specialization in Plant Science 16

BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory	
BIO2510 & BIO2516	Plant Cultivation I: Soil, Soil Substitutes, and Disease Management and Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory	
BIO3510 & BIO3516	Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction and Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction Laboratory	
BIO4510 & BIO4516	Applications of Plants & Fungi and Applications of Plants & Fungi Laboratory	

<sup>lc</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Chemistry - MINOR

A Chemistry minor provides thorough coverage of fundamental chemical principles and significant hands-on experience in laboratory settings. The minor in Chemistry is designed for the student who would like a sound foundation in the theory and laboratory practice of chemistry. Students who minor in Chemistry learn fundamental introductory principles in general, organic and analytical chemistry. The analytical thinking and problem-solving skills developed within the Chemistry minor make students competitive for a wide range of careers in science, medicine, health, nutrition or engineering.

### Chemistry

#### Minor

CHM1011	General Chemistry I *	3
CHM1016	General Chemistry I Laboratory *	1
CHM1022	General Chemistry II	3
CHM1026	General Chemistry II Laboratory	1
CHM2011	Organic Chemistry I	3
CHM2016	Organic Chemistry I Laboratory	1
CHM2022	Organic Chemistry II	3
CHM2026	Organic Chemistry II Laboratory	1
CHM3200	Analytical Chemistry	3
Total Credits		19.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.



# Clinical Mental Health Counseling - M.S.

The Clinical Mental Health Counseling Master of Science degree program at Johnson & Wales University is designed to prepare graduates to serve the community as clinical mental health counselors after 18 months of full-time study. The primary goal of the program is to prepare master's-level clinicians with the counseling skills that integrate theoretical foundations of professional counseling into positive client interaction and intervention skills. The program emphasizes the development of attitudes, knowledge and skills essential in the formation of professional counselors who are committed to the ethical provision of quality services. In addition to the coursework required, students experience practicum and internship experiences under supervision of clinical professionals.

Upon completion of this program, graduates are expected to:

- Demonstrate professional proficiency and exhibit familiarity with professional orientation and ethical practices as advocated by the American Counseling Association (ACA) Code of Ethics.
- Illustrate the importance of multicultural issues in the counseling profession when working with diverse clients.
- Provide illustrations of human growth and developmental theories framed in the principles of assessment and appraisal.
- Demonstrate planning and implementation of career development practices and theoretical perspectives.
- Show command of counseling theories and how to conceptualize cases from a wellness perspective.
- Exhibit knowledge of group dynamics, group leadership, group development and the ability to apply these concepts in a variety of group types.
- Implement basic and advanced assessment techniques in the framework of helping relationships.
- Demonstrate the role of research in advancing the counseling profession.
- Articulate and demonstrate knowledge and skills necessary to identify and treat behaviors and situations and apply counseling theories, models and approaches to individuals and groups who face a variety of mental health disorders.

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## Clinical Mental Health Counseling

Master of Science

### Core Courses

CSLG5100	Advanced Career Counseling	3
CSLG5150	Counseling Across the Lifespan	3
CSLG5170	Multicultural Counseling: Theories and Techniques	3
CSLG5250	Professional Orientation and Ethical Practice	3
CSLG5300	Advanced Individual Counseling Theory and Techniques with Lab	3
CSLG5350	Health and Wellness Counseling	3
CSLG5400	Psychopathology and Treatment Planning	3
CSLG5450	Testing and Assessment in Counseling	3
CSLG5500	Advanced Group Counseling Theories and Techniques with Lab	3
CSLG5899	Counseling Practicum	3
CSLG6100	Advanced Co-Occurring Disorders and Addictions Counseling	3
CSLG6150	Advanced Individual Mental Health Counseling	3
CSLG6350	Mental Health Counseling for Families	3
CSLG6500	Leadership in Agency Settings	3
CSLG6899	Counseling Internship	12
PSYC5200	Advanced Neuroscience and Psychopharmacology	3
RSCH6150	Research and Theories in Mental Health Counseling	3

Total Credits 60.0

# Community Justice - MINOR

A Community Justice minor provides students the opportunity to learn about the various approaches and tactics utilized in a victim-oriented problem-solving model of criminal justice. This crime management perspective is focused on developing strategies that include community, offender, victim and law enforcement approaches centered on mediation, restoration and reintegration for the goal and purpose of community wellness and offender rehabilitation.

## Community Justice

### Minor

COMJ1020	Community Justice	3
COMJ2030	Race, Crime and Justice	3
COMJ3050	Cultural Awareness and Diversity in Criminal Justice	3
Choose two of the following: *		6
CJS1090	Law Enforcement	
CJS2050	Criminology	
CJS2150	Criminal Justice Ethics	
CJS3033	Community Policing	
CJS3210	Victimology	
CJS4020	Offender Assessment and Case Management	
COMJ1080	Restorative Justice	
COMJ4060	Change and Innovation in Law Enforcement	
PSCI2200	Race, Politics and Power in America	
PSYC3100	Community Psychology	
PSYC4150	Psychology of Conflict Resolution	
SOC2070	Social Issues in Contemporary America	
SOC3025	Cultural Tapestry: Perspectives in Diversity	
SOC3100	Sociology of Race and Ethnicity	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Criminal Justice - B.S.

The Criminal Justice bachelor's degree program prepares students for professional careers in the field of criminal justice. Through this course of study, students are expected to acquire the communication, logic, critical thinking and ethical reasoning skills essential for both the understanding of complex global and domestic criminal justice issues and for effective career performance and progression.

Upon completion of the program, graduates are expected to:

- Apply the historical contexts and knowledge of the American criminal justice system to current issues within the field.
- Critically evaluate evidence using investigative theories and practices.
- Research and analyze criminal justice issues to generate appropriate recommendations and/or actions.
- Assess and resolve conflict situations using policies and procedures employed by criminal justice professionals.
- Apply ethical strategies to address criminal justice agency/operations within diverse communities and/or global contexts.

The program's judicious mix of criminal justice and arts and sciences courses is intended to develop and enhance each student's critical thinking and effective communication skills, as well as their appreciation for diversity, citizenship, leadership and public service. In keeping with the unique curriculum and varied career opportunities available to graduates of the Criminal Justice program, students are encouraged to take advantage of available internship, study abroad and elective course opportunities that target their specific interests and goals.

Students in Criminal Justice will have the opportunity to select a Community Justice specialization. The interdisciplinary nature of this curriculum provides students the opportunity to think differently about justice and criminal behavior that is reflective of industry trends toward crime prevention, community building and criminal justice. This specialization will allow students a means to foster their intellectual curiosity while enhancing and enriching their educational experience thereby stimulating professional success and lifelong personal and professional growth.

Graduates of the program are prepared for a wide variety of criminal justice employment at the local, national and federal levels including careers in court administration, private investigation, airport security and social services, or as a federal agent, police officer or border patrol agent, among many others.

Upon completion of the Community Justice specialization, graduates are expected to be able to:

- Analyze (assess and critically reflect upon) the evolution (past and contemporary changes and reforms) of community justice practices (policing, problem-solving, advocacy, human services, outreach, prevention, etc.) from domestic (U.S.-based) and global (other nations, global community) perspectives.

## Criminal Justice

A four-year program leading to the bachelor of science degree

### Major Courses

CJS1002	Introduction to Criminal Justice	3
CJS1090	Law Enforcement	3
CJS2040	Corrections	3
CJS2050	Criminology	3
CJS3075	Criminal Investigation	3
CJS3850	Homeland Security	3
CJS4045	Criminalistics with Lab	3
CJS4080	Criminal Justice Senior Seminar	3
LAW3015	Criminal Procedure	3
LAW3025	Criminal Law	3

### Major Electives or Specialization in Community Justice

Choose five of the following: 15		
CJS1070	Criminal Courts	
CJS2085	Juvenile Justice	
CJS2150	Criminal Justice Ethics	
CJS3033	Community Policing	
CJS3210	Victimology	
CJS3450	Comparative Criminal Justice	
CJS3820	Cyber Crimes	
CJS4020	Offender Assessment and Case Management	

CJS4033	Terrorism
CJS4050	Advanced Topics in Criminal Justice
CJS4065	Advanced Topics in Criminalistics with Lab
PSCI2001	International Relations and World Politics
REL2001	Comparative Study of World Religions

Or

Specialization in Community Justice	
COMJ1020	Community Justice
COMJ2030	Race, Crime and Justice
COMJ4060	Change and Innovation in Law Enforcement

Choose two of the following:	
CJS3210	Victimology
CJS4020	Offender Assessment and Case Management
COMJ1080	Restorative Justice
COMJ3050	Cultural Awareness and Diversity in Criminal Justice
PSCI2200	Race, Politics and Power in America
PSYC3100	Community Psychology
PSYC4150	Psychology of Conflict Resolution
SOC2070	Social Issues in Contemporary America
SOC3025	Cultural Tapestry: Perspectives in Diversity
SOC3100	Sociology of Race and Ethnicity

### Applied/Experiential Learning

Choose 12 credits from the following: **		12
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
PSYC1001	Introductory Psychology	3
PSYC2002	Abnormal Psychology	3
RSCH2050	Workshop in Acquiring Social Research Skills	3
SOC3060	Deviant Behavior	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
HIST3200	American Government	
One course from ART, HUM, LIT, PHIL or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3

Choose one of the following:

SCI1015	Introduction to Life Science	
SCI2020	Introduction to Exercise Physiology	
SCI2031	Anatomy and Physiology	
Social Sciences		6
SOC1001	Sociology I	
or SOC2005 Honors Seminar: Social Inequalities		
One course from ANTH, ECON, GEND, LEAD, PSCI, PSYC or RES		

A&S Electives		6
Two courses with an EASC attribute		

### Free Electives #

9 credits selected from 1000-4999 numbered offerings within the university		9
Total Credits		122.0

\* Students are responsible for meeting prerequisites.

\*\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits towards a minor.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated

Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Criminal Justice - MINOR

A Criminal Justice minor offers non-Criminal Justice students the opportunity to learn about the various components of criminal justice and the interdisciplinary nature of the field. These students acquire knowledge and understanding in a secondary area of inquiry independent of their academic major, thus enhancing their career possibilities and creating opportunities for future research experiences. The minor in Criminal Justice requires a minimum of 15 semester credits in a single prescribed area of study concurrently with the student's bachelor's degree requirements.

### Criminal Justice

#### Minor

CJS1002	Introduction to Criminal Justice	3
CJS2050	Criminology	3
CJS3850	Homeland Security	3
LAW3015	Criminal Procedure	3
Choose one of the following: *		3
CJS1070	Criminal Courts	
CJS2085	Juvenile Justice	
CJS3075	Criminal Investigation	
LAW3025	Criminal Law	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.



# Data Analytics - B.S.

The Data Analytics bachelor's degree program seeks to provide graduates with the knowledge, skills and tools necessary to obtain employment as a data analyst. Graduates learn to use specialized systems and software to collect and organize data, then use statistical methods to discover patterns, find correlations and predict outcomes in order to make better-informed decisions within their chosen field. Students in this program receive a firm foundation in mathematics, computer programming, and communications, along with gaining experience with database management systems and spreadsheet programs.

Upon completion of the program, graduates are expected to:

- Write reports and make presentations containing visual data or statistical results.
- Utilize database management systems and spreadsheet programs to collect, organize and display data.
- Use standard techniques of mathematics and statistics in order to address problems or explore phenomenon that are prevalent in various fields.
- Develop linkages between their interdisciplinary intellectual inquiries and their own ethical positions in terms of contemporary challenges facing individuals, communities and societies.

This program allows students to either directly enter the workforce or continue to a graduate-level education. The hybrid nature of data analysis in the workplace requires both analytical skills and domain specific knowledge. JWU's program prepares its graduates for this aspect of the profession by offering a selection of minors. Qualifying students will complete a 12-credit-hour internship to gain experience in the workforce. Students also have the opportunity to apply to the 4+1 Data Analytics master's degree program.

## Data Analytics

A four-year program leading to the bachelor of science degree

### Major Courses

CSIS1000	Problem Solving and Programming Concepts	3
CSIS1101	Computer Science I	3
CSIS2030	Database Concepts	3
CSIS2080	Database Design	3
DMSM2025	Introduction to Data Visualization	3
DMSM2050	Spreadsheets for Data Analysis	3
FIT1040	Spreadsheet Design for Business Solutions	3
MATH2220	Linear Algebra	3
MATH4900	Applied Statistics	3

### Major Electives or Minor

Choose 15 credits from the following courses or declare a minor: \*\*\*

CYB3038	HCI/Usable Security	
ITEC3050	Information Security with Cryptography	

Choose three of the following:

CSIS1112	Computer Science II	
ENG2010	Introduction to Technical Communication	
MATH2020	Discrete Mathematics	
PRMG2010	Introduction to Project Management & Project Membership	

### Applied/Experiential Learning

Choose 12 credits from the following:

ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
	Study Abroad	

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communication Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrated Learning		6
Two ILS Courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		

Mathematics		6
MATH1035	Quantitative Analysis I (or higher, based on student's placement) ***	
MATH2035	Quantitative Analysis II	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Science		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
MATH2001	Statistics I	
or MATH2010	Introduction to Biostatistics	
MATH2002	Statistics II	
<b>Free Electives #</b>		
24 credits selected from 1000-4999 numbered offerings within the university		24
Total Credits		122.0

\* Students are responsible for meeting prerequisites.

\*\* Students should consult with their advisor when selecting a minor.

\*\*\* Students that do not place in MATH1035 Quantitative Analysis I, must take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this counts as a free elective.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Data Analytics 5 Year B.S./M.S.

The College of Arts & Sciences and the College of Engineering & Design offer students an opportunity to earn both their undergraduate and graduate degrees through its five-year B.S./M.S. Data Analytics program. This program enables qualified students to earn, in a continuous plan of study, both a B.S. and a M.S. in Data Analytics in five years.

Upon completion of the B.S. program, graduates are expected to:

- Write reports and make presentations containing visual data or statistical results.
- Utilize database management systems and spreadsheet programs to collect, organize and display data.
- Use standard techniques of mathematics and statistics in order to address problems or explore phenomenon that are prevalent in various fields.
- Develop linkages between their interdisciplinary intellectual inquiries and their own ethical positions in terms of contemporary challenges facing individuals, communities and societies.

Upon completion of the M.S. program, graduates are expected to:

- Integrate the knowledge of mathematics, statistics and computer science to collect, analyze and interpret data.
- Use data to drive organizational decisions and optimize performance.
- Conduct analysis for advanced data mining strategies to optimize model performance.
- Make recommendations based on the evaluation of the ethical, legal and political issues of data usage and its implications for a given application, market or population.

## Requirements

Eligible undergraduate students who would like to pursue a five-year B.S./M.S. Data Analytics degree should apply directly to the five-year program by the end of their first year to take maximum advantage of this accelerated option. Students who qualify for the five-year degree will need to complete a formal application with Graduate Admissions by no later than the beginning of their junior year. Students must satisfy separate admission requirements for both undergraduate and graduate programs. Admission to the undergraduate program does not guarantee admission to the graduate program.

Students will begin taking graduate-level courses during the fall semester of their fourth year.

Qualified students who have already been accepted to the five-year B.S. /M.S. Data Analytics program will also need to complete a formal application with Graduate Admissions. When submitting the formal application to Graduate Admissions, the following must be submitted or completed:

1. A completed application for graduate admission, marking the M.S. Data Analytics box under the Special Programs Selection section
2. Cumulative grade point average of 3.0 or higher
3. Two letters of recommendation
4. Current résumé
5. Statement of purpose

## Data Analytics

A four-year program leading to the bachelor of science degree

### Major Courses

CSIS1000	Problem Solving and Programming Concepts	3
CSIS1101	Computer Science I	3
CSIS2030	Database Concepts	3
CSIS2080	Database Design	3
DMSM2025	Introduction to Data Visualization	3
DMSM2050	Spreadsheets for Data Analysis	3
FIT1040	Spreadsheet Design for Business Solutions	3
MATH2220	Linear Algebra	3
MATH4900	Applied Statistics	3

### Major Electives

Choose 15 credits from the following courses or declare a minor: ***		15
CYB3038	HCI/Usable Security	
ITEC3050	Information Security with Cryptography	
Choose three of the following:		
CSIS1112	Computer Science II	
ENG2010	Introduction to Technical Communication	

MATH2020	Discrete Mathematics	
PRMG2010	Introduction to Project Management & Project Membership	
<b>Applied/Experiential Learning</b>		
Choose 12 credits from the following: ***		12
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1035	Quantitative Analysis I (or higher, based on student's placement) ****	
MATH2035	Quantitative Analysis II	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
MATH2001	Statistics I	
or MATH2010 Introduction to Biostatistics		
MATH2002	Statistics II	
<b>Free Elective</b> ***,#		
24 credits selected from 1000-4999 numbered offerings within the university		24
Total Credits		122.0

\* Students are responsible for meeting prerequisites.

\*\* Students should consult with their advisor when selecting a minor.

\*\*\* Students use 3 credits from Applied/Experiential Learning and 9 free elective credits for graduate-level courses in the Data Analytics MS during their 4th year.

\*\*\*\* Students that do not place in MATH1035 Quantitative Analysis I, must take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this counts as a free elective.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

## Data Analytics

### Master of Science

#### Core Courses

DATA5025	Tools for Data Analytics <sup>†</sup>	3
DATA5050	Data Management	3
DATA5100	Statistical Analysis <sup>†</sup>	3
DATA5150	Data Mining	3
DATA5200	Data Visualization	3
DATA5300	Big Data Analytics	3
DATA5350	Text & Web Mining Analytics	3
DATA5400	Introduction to Predictive Modeling <sup>†</sup>	3
DATA5515	Advanced Topics in Predictive Analytics	3
DATA5550	Optimization Simulation	3
DATA5600	Research Methods in Data Analytics <sup>†</sup>	3

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Total Credits

36.0

† These graduate courses will fulfill the bachelor of science requirements in the 4th year.  
Please note: The bachelor of science will not be awarded until all graduate level courses applying to the undergraduate degree have been successfully completed.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Economics - MINOR

The College of Arts & Sciences offers minors that enhance and strengthen the qualifications of graduates. They are intended to give students opportunities to develop expertise in an area that complements their major program. Real-world applications are embedded in the minors.

Economics is more than just a narrow study of costs and benefits. It is a meaningful way of thinking about choice, human behavior, and the market process. The world is complex and changing; thoughtful planning is needed to ensure success. Employers want individuals with critical thinking skills. Furthermore, businesses and entrepreneurs need individuals that are equipped to respond to an increasingly globalized and interdependent business environment.

### Economics

#### Minor

Choose five of the following: \* 15

ECON1001	Macroeconomics
ECON1002	Microeconomics
ECON2010	World Economic Geography
ECON3025	The Global Economy in the 21st Century
ECON3030	Managerial Economics
ECON3070	Contemporary Economic Issues
ILS2305	Honors Seminar: Behavioral Economics
ILS2325	Economics of Sin

Total Credits 15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

## Environmental Sustainability - MINOR

The College of Arts & Sciences offers minors that enhance and strengthen the qualifications of graduates. They are intended to give students opportunities to develop expertise in an area that complements their major program. Real-world applications are embedded in the minors.

This minor prepares students to understand the scientific, public policy and economic challenges of current environmental problems such as global climate change and renewable energy. Faced with balancing social, economic and environmental concerns, industry and community leaders are exploring sustainable business practices. Through coursework and field research, students develop the knowledge and skills needed to address sustainability issues and to navigate the emerging green economy.

### Environmental Sustainability

#### Minor

SCI1010	Environmental Science	3
SCI3020	Sustainability Policy and Planning	3
SCI3070	Food Sustainability	3
SCI3080	The Business of Sustainability	3
SCI4090	Research Seminar in Sustainability	3
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.



# Equine Business Management/Non-Riding - B.S.

The Equine Business Management/Non-Riding bachelor's degree program prepares students to manage all aspects of an equine business. By combining a solid business core with specialized equine courses, students are prepared for all aspects of the equine industry. Students learn how to perform the day-to-day tasks of running an equine business as well as manage events, market appropriately and create an environmentally friendly business.

Upon completion of the program, graduates are expected to:

- Design a comprehensive health plan that addresses the interaction between nutrition and disease and predicts the needs of different classes of horses.
- Differentiate the relative merits of sport horses and use that evaluation to determine the most appropriate use for each type of horse.
- Develop a comprehensive business plan for the management of all aspects of an equine-related business.
- Evaluate the impact of available resources including environmental resources, effective marketing and regulatory compliance on equine businesses.
- Apply appropriate ethics as they relate to managing an equine business, its employees and its horses.
- Evaluate the impact of various international influences on the historical development of the modern equine industry.

Equine Business Management students take a suite of courses from the College of Business designed to provide them with up to the minute business skills. Students develop financial literacy, strategic planning, operations management and total quality management skills alongside traditional business majors.

Specialized science-based equine classes develop the understanding of the functioning of the horse with study in anatomy, lameness, physiology, sports therapy, genetics, nutrition, diseases and reproduction. Further classes develop the ability to evaluate horses for sport, develop a farm management plan and manage horse shows. Through these equine academic courses, graduates are expected to demonstrate competencies in formulating rations, design a herd health program, selecting sport horses and developing an equine business plan.

Students gain hands-on experience in all aspects of horse management including health and dental maintenance, nutrition, facilities management, equipment usage, trailering, lunging, ground driving, vaccination and anthelmintic programs.

All students participate in the internship program which allows them to work in the equine industry at approved establishments. A sampling of the positions that students have filled upon graduation include farm manager, equine advertising account manager, sales representative, insurance agent, horse show personnel, and horse/breed association publicist.

Core and elective courses in the College of Arts & Sciences provide the critical thinking and communication skills that are considered essential by employers along with the chance for students to explore areas of personal interest.

To participate in the Equine Business Management program, each student, with or without reasonable accommodations must be able to safely (including the safety of the horse, where applicable) meet minimum technical standards as described for this program

## Extracurricular Activities

Johnson & Wales' equine programs offer a variety of extracurricular activities for students, including seminars and clinics with nationally and internationally recognized speakers from equine industry, an equine-specific job fair, annual attendance to the Equine Affaire, and field-trips to regional training and competition farms.

Johnson & Wales University participates in equine sports through two distinct competitive teams: Intercollegiate Horse Show Association (IHSA) and Intercollegiate Dressage Association (IDA).

The IHSA team competes in hunter seat equitation throughout New England, is consistently regionally and nationally competitive, and hosts shows annually at the Center for Equine Studies. In 2018 Johnson & Wales University had a National Champion in Individual Intermediate Over Fences.

The IDA team at Johnson & Wales University is a charter member, hosts two competitions yearly and travels regionally to compete. The IDA team has won numerous regional and national awards. In 2012 Johnson & Wales University won the National Championship and in 2013 was the reserve national champion team for IDA.

## The Facility

The home of Johnson & Wales' Equine Studies programs, the Center for Equine Studies, is located in Rehoboth, Massachusetts, a short drive from Providence. The farm includes a 32-stall barn with attached 170' x 70' mirrored indoor riding hall with waxed footing, radiant heat and a 75" flat panel display system with integrated smart-classroom technology. The facility is equipped with a pine-paneled observation room housing communication technology that allow clinicians to address students and spectators during mounted lessons, a traditional digitally equipped classroom for on-property lectures and a student lounge area for study and relaxation between classes.

The arena, attached 32-stall barn and classroom areas all tout state-of-the-art high speed wifi coverage allowing for streaming and integration of remote technology with all aspects of Equine Studies programs. The property also features several pastures, turnout paddocks and two round-pens used for schooling horses.

Rounding out the facility are two show-quality outdoor arenas: a 225' x 100' multipurpose jumping ring and a 220' x 80' dressage ring with judge's box. A new addition to the facility is a derby-style jumping field with banks, ditches, and step jumps which allows students to gain knowledge and expertise of riding in various settings.

The horses for school use are all selected for their training and temperament. Many different breeds are represented, including Dutch Warmblood, Hanoverian, Swedish Warmblood, Holsteiner, Thoroughbred, Oldenburg, Quarter Horse and Arabian. Many of the horses have successful show records which include competition experience at the FEI level of dressage, on the hunter/jumper circuit and in eventing.

## Equine Business Management/Non-Riding

A four-year program leading to the bachelor of science degree

### Major Courses

EQN1001	Introduction to Equine Studies	3
EQN1006	Introduction to Equine Studies Laboratory	1
EQN1020	Equine Anatomy and Lameness	3
EQN1025	Equine Anatomy and Lameness Laboratory	1
EQN1080	Equine Management Lab	1
EQN2000	Equine Diseases	3
EQN2001	Foundations of Riding Theory	3
EQN2020	Equine Physiology and Sports Therapy	3
EQN2025	Equine Physiology and Sports Therapy Laboratory	1
EQN3025	Equine Nutrition	3
EQN3040	Sport Horse Evaluation and Judging	3
EQN3350	Equine Facility Design and Operation Management	3
EQN4050	Horse Farm Management	3
EQN4900	Management and Demonstration of Skills Capstone	1

### Major Electives

Choose 9 credits from the following: *		9
ACCT1220	Managerial Accounting	
ACCT2035	Accounting Software	
ACCT2210	Intermediate Accounting Theory and Practice I	
ACCT2220	Intermediate Accounting Theory and Practice II	
ACCT3030	Not-For-Profit and Governmental Accounting	
ADVC1010	Marketing Communications	
ADVC1011	Media Strategy	
ADVC2001	Creative Concepts and Strategy	
DMSM2050	Spreadsheets for Data Analysis	
ENG2010	Introduction to Technical Communication	
ENG2030	Introduction to Newswriting	
ENG3016	Advanced Business Communication	
ENTR2001	Introduction to Entrepreneurship	
ENTR2030	Pitching & Planning New Ventures	
ENTR3015	Small Business Management	
EQN3010	Equine Reproduction and Genetics	
EQN3030	Equine Competition Management and Course Design	
EQN3280	Introduction to Equine-Assisted Activities and Therapies	
EQN3290	Application of Equine-Assisted Activities and Therapies	
FISV2000	Finance	

IBUS2002	International Business	
LAW3002	The Legal Environment of Business II	
LEAD1010	Foundations of Leadership Studies	
MGMT2030	Operations and Supply Chain Management I	
MGMT3005	Workforce Planning and Deployment	
MGMT3060	Training and Development	
MRKT1001	Marketing Foundations	
MRKT1002	Consumer Behavior	
MRKT1011	Key Account Management	
SEE1001	Introduction to the Sports, Entertainment and Event Management Industry	

**Applied/Experiential Learning**

Choose 12 credits from the following: **		12
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	

Study Abroad

**Related Professional Studies**

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
or FIVS2000 Finance		
BUS1001	Introduction to Business and Management	3
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
FYS1020	First-Year Seminar	1
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3

**A&S Core Experience**

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
Choose one of the following:		
SCI1010	Environmental Science	
SCI1015	Introduction to Life Science	
SCI2020	Introduction to Exercise Physiology	
SCI2030	Introduction to Ecology	
Social Science		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S electives		6
ECON1002	Microeconomics	
One course with EASC attribute		
<b>Free Electives #</b>		
8-9 credits selected from 1000-4999 numbered offerings within the university		8-9
<b>Total Credits</b>		123.0-124.0

\* Students are responsible for meeting prerequisites.

\*\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits towards a minor.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Equine Business Management/Riding - B.S.

Equine Business Management/Riding students participate in riding classes focusing on hunt-seat, dressage and combined training. Each course is individually tailored to the student's competencies for maximum advancement. A unique feature of the riding program is our students' ability to pick their preferred discipline or sample from all three options. A study abroad program to Muenster, Germany is open to students with dressage and jumping skills and offers instruction and testing for the German riding medals.

Upon completion of the program, graduates are expected to:

- Design a comprehensive health plan that addresses the interaction between nutrition and disease and predicts the needs of different classes of horses.
- Differentiate the relative merits of sport horses and use that evaluation to determine the most appropriate use for each type of horse.
- Develop a comprehensive business plan for the management of all aspects of an equine-related business.
- Evaluate the impact of available resources including environmental resources and regulatory compliance on equine businesses.
- Apply appropriate ethics as they relate to managing an equine business, its employees and its horses.
- Evaluate the impact of various international influences on the historical development of the modern equine industry.
- Develop and implement a training program for a particular horse and evaluate the effectiveness of the training principles on horse and rider.

Specialized science-based equine classes develop the understanding of the functioning of the horse with study in anatomy, lameness, physiology, sports therapy, genetics, nutrition, diseases and reproduction. Further classes develop the ability to evaluate horses for sport, develop a farm management plan and manage horse shows. Through these equine academic courses, graduates are expected to demonstrate competencies in formulating rations, designing a herd health program, selecting sport horses and developing an equine business plan.

Equine students participate in professionally focused educational activities at the Center for Equine Studies in Rehoboth, Massachusetts. Students gain experience in all aspects of horse management including health and dental maintenance, nutrition, facilities management, equipment usage, trailering, lunging, ground driving, vaccination and anthelmintic programs.

All students participate in the internship program which allows them to work in the equine industry at approved establishments. A sampling of the positions that students have filled upon graduation include instructor/trainer, farm manager, equine advertising account manager, sales representative, insurance agent, horse show personnel, horse/breed association publicist and veterinary assistant. Business courses emphasize the connection between the equine industry and the business world. Students may tailor their degree through the selection of numerous courses in other colleges and schools at JWU.

The Equine Business Management/Riding program offers an elective 16-credit specialization that enhances and strengthens the qualifications of graduates interested in equine-assisted activities and therapies. This specialization gives students the opportunity to gain additional knowledge and skills in the expanding field of therapeutic riding and equine-assisted learning. Students completing this specialization can pursue careers in therapeutic riding instruction, therapeutic horse management, therapeutic riding program management, and equine-assisted learning and therapy.

Upon completion of the Equine-Assisted Activities and Therapies specialization students are expected to:

- Demonstrate the skills and knowledge compulsory for the educational component of certification as a therapeutic riding instructor with the Professional Association of Therapeutic Horsemanship, Intl (PATH Intl).

To participate in the Equine Business Management/Riding program, each student, with or without reasonable accommodations must be able to safely (including the safety of the horse, where applicable) meet minimum technical standards as described for this program. The university maintains a number of different horses of different sizes and with different temperaments. However, the university does not represent that there will be a horse available for students whose weight and/or skill level limits the options of available horses.

In the event a student is unable to progress in the program for this reason, the university will work with the student to transition the student into another academic program with as minimal disruption to the student's academic progress as possible.

Admission to the Equine Business Management/Riding degree program requires some prior riding experience and demonstration of riding competencies described in the minimum technical standards.

### Extracurricular Activities

Johnson & Wales' equine programs offer a variety of extracurricular activities for students, including seminars and clinics with nationally and internationally recognized speakers from equine industry, an equine-specific job fair, annual attendance to the Equine Affaire, and field-trips to regional training and competition farms.

Johnson & Wales University participates in equine sports through two distinct competitive teams: Intercollegiate Horse Show Association (IHSA) and Intercollegiate Dressage Association (IDA).

The IHSA team competes in hunter seat equitation throughout New England, is consistently regionally and nationally competitive, and hosts shows annually at the Center for Equine Studies. In 2018 Johnson & Wales University had a National Champion in Individual Intermediate Over Fences.

The IDA team at Johnson & Wales University is a charter member, hosts two competitions yearly and travels regionally to compete. The IDA team has won numerous regional and national awards. In 2012 Johnson & Wales University won the National Championship and in 2013 was the reserve national champion team for IDA.

### The Facility

The home of Johnson & Wales' Equine Studies programs, the Center for Equine Studies, is located in Rehoboth, Massachusetts, a short drive from Providence. The farm includes a 32-stall barn with attached 170' x 70' mirrored indoor riding hall with waxed footing, radiant heat and a 75' flat panel display system with integrated smart-classroom technology. The facility is equipped with a pine-paneled observation room housing communication technology that allow clinicians to address students and spectators during mounted lessons, a traditional digitally equipped classroom for on-property lectures and a student lounge area for study and relaxation between classes.

The arena, attached 32-stall barn and classroom areas all tout state-of-the-art high speed wifi coverage allowing for streaming and integration of remote technology with all aspects of Equine Studies programs. The property also features several pastures, turnout paddocks and two round-pens used for schooling horses.

Rounding out the facility are two show-quality outdoor arenas: a 225' x 100' multipurpose jumping ring and a 220' x 80' dressage ring with judge's box. A new addition to the facility is a derby-style jumping field with banks, ditches, and step jumps which allows students to gain knowledge and expertise of riding in various settings.

The horses for school use are all selected for their training and temperament. Many different breeds are represented, including Dutch Warmblood, Hanoverian, Swedish Warmblood, Holsteiner, Thoroughbred, Oldenburg, Quarter Horse and Arabian. Many of the horses have successful show records which include competition experience at the FEI level of dressage, on the hunter/jumper circuit and in eventing.

### Equine Business Management/Riding

A four-year program leading to the bachelor of science degree

#### Major Courses

EQN1001	Introduction to Equine Studies	3
EQN1006	Introduction to Equine Studies Laboratory	1
EQN1020	Equine Anatomy and Lameness	3
EQN1025	Equine Anatomy and Lameness Laboratory	1
EQN1080	Equine Management Lab	1
EQN2000	Equine Diseases	3
EQN2001	Foundations of Riding Theory	3
EQN2020	Equine Physiology and Sports Therapy	3
EQN2025	Equine Physiology and Sports Therapy Laboratory	1
EQN3025	Equine Nutrition	3
EQN3040	Sport Horse Evaluation and Judging	3
EQN3350	Equine Facility Design and Operation Management	3
EQN4050	Horse Farm Management	3
EQN4900	Management and Demonstration of Skills Capstone	1

**Required Riding Courses**

Choose 6 credits from the following:		6
EQN1100	Fundamentals Of Collegiate Riding I	
EQN1110	Fundamentals of Collegiate Riding II	
EQN1150	Introduction to Dressage	
EQN1200	Introduction to Combined Training	
EQN1300	Equitation on the Flat	
EQN1310	Fundamentals of Hunter Seat Equitation	
EQN2100	Training Level Dressage	
EQN2110	First Level Dressage	
EQN2200	Intermediate Combined Training	
EQN2320	Hunter Seat Equitation Novice	
EQN3120	Second Level Dressage	
EQN3130	Third Level Dressage	
EQN3200	Advanced Combined Training	
EQN3330	Hunter Seat Equitation Intermediate	
EQN3430	German Medal Training	
EQN4140	Fourth Level and FEI Dressage	
EQN4340	Hunter Seat Equitation Open	

**Major Elective**

Choose 3 credits from the following: *		3
ACCT1220	Managerial Accounting	
ACCT2035	Accounting Software	
ACCT2210	Intermediate Accounting Theory and Practice I	
ACCT2220	Intermediate Accounting Theory and Practice II	
ACCT3030	Not-For-Profit and Governmental Accounting	
ADVC1010	Marketing Communications	
ADVC1011	Media Strategy	
ADVC2001	Creative Concepts and Strategy	
DMSM2050	Spreadsheets for Data Analysis	
ENG2010	Introduction to Technical Communication	
ENG2030	Introduction to Newswriting	
ENG3016	Advanced Business Communication	
ENTR2001	Introduction to Entrepreneurship	
ENTR2030	Pitching & Planning New Ventures	
ENTR3015	Small Business Management	
EQN3001	Methods of Riding Instruction I	
EQN3010	Equine Reproduction and Genetics	
EQN3030	Equine Competition Management and Course Design	
EQN3280	Introduction to Equine-Assisted Activities and Therapies	
EQN3290	Application of Equine-Assisted Activities and Therapies	
EQN4001	Methods of Riding Instruction II	
IBUS2002	International Business	
LAW3002	The Legal Environment of Business II	
LEAD1010	Foundations of Leadership Studies	
MGMT2030	Operations and Supply Chain Management I	
MGMT3005	Workforce Planning and Deployment	
MGMT3060	Training and Development	
MRKT1001	Marketing Foundations	
MRKT1002	Consumer Behavior	
MRKT1011	Key Account Management	
SEE1001	Introduction to the Sports, Entertainment and Event Management Industry	

**Applied/Experiential Learning**

Choose 12 credits from the following: **		12
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
	Study Abroad	

**Related Professional Studies**

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
	or FHSV2000	Finance
BUS1001	Introduction to Business and Management	3
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
FYS1020	First-Year Seminar	1
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3

**A&S Core Experience**

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	

ENG1030	Communication Skills	
Integrative Learning		6
	Two ILS courses, one at the 2000 level, one at the 4000 level	
Arts and Humanities		6
	Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL	
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
	Choose one of the following:	
SCI1010	Environmental Science	
SCI1015	Introduction to Life Science	
SCI2020	Introduction to Exercise Physiology	
SCI2030	Introduction to Ecology	
Social Science		6
ECON1001	Macroeconomics	
	One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC	
A&S Electives		6
ECON1002	Microeconomics	
	One course with EASC Attribute	
<b>Free Electives #</b>		
	8-9 credits selected from 1000-4999 numbered offerings within the university	8-9
Total Credits		123.0-124.0

\* Students are responsible for meeting prerequisites.

\*\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits towards a minor or a specialization in Equine-Assisted Activities and Therapies. Students are strongly encouraged to contact their faculty advisor before declaring a specialization.

**Specialization in Equine-Assisted Activities and Therapies \*\* 16**

BIO2021	Functional Human Anatomy	
BIO2026	Functional Human Anatomy Laboratory	
EQN3001	Methods of Riding Instruction I	
EQN3280	Introduction to Equine-Assisted Activities and Therapies	
EQN3290	Application of Equine-Assisted Activities and Therapies	
EQN4001	Methods of Riding Instruction II	

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?



## Equine Science - B.S.

The Equine Science bachelor's degree program offers a rigorous science curriculum combined with equine-specific academic classes and experience-based equine management labs. The equine-specific academic classes include focused study of anatomy, physiology, nutrition, genetics and diseases, as well as practical knowledge of lameness assessment, ration analysis and preventative herd health programs. The equine labs concentrate on horse handling, medical skills and farm management practices that are necessary to be successful in the equine industry. Elective credits offer opportunity for riding classes as well. The Equine Science curriculum design allows students the option of pre-veterinary medicine study, equine-assisted activities and therapies study or future graduate studies in science.

Upon completion of the program, graduates are expected to:

- Apply the scientific method and critical thinking skills to address equine science questions.
- Design a comprehensive health plan that addresses the interaction between nutrition and disease and predicts the needs of different classes of horses.
- Identify, analyze and apply knowledge of equine behavior to justify best practices in equine management and handling.
- Recognize ethical concerns pertinent to equine science and determine ethical practices.
- Perform basic preventive measures and therapeutic skills on a horse.

Equine Science students take science courses from the College of Arts & Sciences designed to provide a strong foundation in the fundamental principles of biology. The biology courses allow students to explore the molecular and cellular basis of life, the structure and function of organisms, and the ecological interactions of organisms.

Specialized equine science classes develop the understanding of the functioning of the horse with study in anatomy, lameness, physiology, sports therapy, genetics, nutrition, diseases and reproduction. Students gain hands-on experience in all aspects of horse management including health and dental maintenance, nutrition, facilities management, equipment usage, trailering, lunging, vaccination and anthelmintic programs.

All students participate in the internship program which allows them to work in the equine industry or veterinary profession at approved establishments.

Core and elective courses in the College of Arts & Sciences provide the critical thinking and communication skills that are considered essential by employers along with the chance for students to explore areas of personal interest.

The Equine Science program offers an elective 16-credit specialization that enhances and strengthens the qualifications of graduates interested in equine-assisted activities and therapies. This specialization gives students the opportunity to gain additional knowledge and skills in the expanding field of therapeutic riding and equine-assisted learning. Students completing this specialization can pursue careers in therapeutic riding instruction, therapeutic horse management, therapeutic riding program management, and equine-assisted learning and therapy.

Upon completion of the Equine-Assisted Activities and Therapies specialization students are expected to:

- Demonstrate the skills and knowledge compulsory for the educational component of certification as a therapeutic riding instructor with the Professional Association of Therapeutic Horsemanship, Intl (PATH Intl).

The Equine Science program offers an elective 20-credit specialization in Pre-Veterinary Studies that enhances and strengthens the qualifications of graduates interested in applying for admissions to Doctor of Veterinary Medicine programs. This specialization gives students the opportunity to complete major prerequisite course requirements for application to American Veterinary Medical Association-accredited veterinary schools within the United States. Students completing this specialization can pursue application to DVM programs as well as other equine and science-related graduate studies programs.

Upon completion of the Pre-Veterinary Studies specialization students are expected to:

- Identify, evaluate and analyze scientific information.

To participate in the Equine Science program, each student, with or without reasonable accommodations must be able to safely (including the safety of

the horse, where applicable) meet minimum technical standards as described for this program.

### Extracurricular Activities

Johnson & Wales' equine programs offer a variety of extracurricular activities for students, including seminars and clinics with nationally and internationally recognized speakers from equine industry, an equine-specific job fair, annual attendance to the Equine Affaire, and field-trips to regional training and competition farms.

Johnson & Wales University participates in equine sports through two distinct competitive teams: Intercollegiate Horse Show Association (IHSA) and Intercollegiate Dressage Association (IDA).

The IHSA team competes in hunter seat equitation throughout New England, is consistently regionally and nationally competitive, and hosts shows annually at the Center for Equine Studies. In 2018 Johnson & Wales University had a National Champion in Individual Intermediate Over Fences.

The IDA team at Johnson & Wales University is a charter member, hosts two competitions yearly and travels regionally to compete. The IDA team has won numerous regional and national awards. In 2012 Johnson & Wales University won the National Championship and in 2013 was the reserve national champion team for IDA.

### The Facility

The home of Johnson & Wales' Equine Studies programs, the Center for Equine Studies, is located in Rehoboth, Massachusetts, a short drive from Providence. The farm includes a 32-stall barn with attached 170' x 70' mirrored indoor riding hall with waxed footing, radiant heat and a 75" flat panel display system with integrated smart-classroom technology. The facility is equipped with a pine-paneled observation room housing communication technology that allow clinicians to address students and spectators during mounted lessons, a traditional digitally equipped classroom for on-property lectures and a student lounge area for study and relaxation between classes.

The arena, attached 32-stall barn and classroom areas all tout state-of-the-art high speed wifi coverage allowing for streaming and integration of remote technology with all aspects of Equine Studies programs. The property also features several pastures, turnout paddocks and two round-pens used for schooling horses.

Rounding out the facility are two show-quality outdoor arenas: a 225' x 100' multipurpose jumping ring and a 220' x 80' dressage ring with judge's box. A new addition to the facility is a derby-style jumping field with banks, ditches, and step jumps which allows students to gain knowledge and expertise of riding in various settings.

The horses for school use are all selected for their training and temperament. Many different breeds are represented, including Dutch Warmblood, Hanoverian, Swedish Warmblood, Holsteiner, Thoroughbred, Oldenburg, Quarter Horse and Arabian. Many of the horses have successful show records which include competition experience at the FEI level of dressage, on the hunter/jumper circuit and in eventing.

### Equine Science

A four-year program leading to the bachelor of science degree

#### Major Courses

BIO1011	General Biology - Cellular	3
BIO1016	General Biology Laboratory - Cellular	1
BIO1022	General Biology - Organismal	3
BIO1026	General Biology Laboratory - Organismal	1
BIO2201	General Microbiology	3
BIO2206	General Microbiology Laboratory	1
CHM1011	General Chemistry I	3
CHM1016	General Chemistry I Laboratory	1
EQN1001	Introduction to Equine Studies	3
EQN1006	Introduction to Equine Studies Laboratory	1
EQN1020	Equine Anatomy and Lameness	3
EQN1025	Equine Anatomy and Lameness Laboratory	1
EQN1080	Equine Management Lab	1
EQN2000	Equine Diseases	3
EQN2020	Equine Physiology and Sports Therapy	3
EQN2025	Equine Physiology and Sports Therapy Laboratory	1
EQN3010	Equine Reproduction and Genetics	3
EQN3025	Equine Nutrition	3
EQN4900	Management and Demonstration of Skills Capstone	1



### Major Electives or Specialization

Choose 19 credits of the following (at least two courses must be 3000 level or higher, maximum of three credits in horseback riding)\* or Specialization listed below: †

BIO2021 & BIO2026	Functional Human Anatomy and Functional Human Anatomy Laboratory	19
BIO3010	Principles of Biochemistry	
BIO3070	Evolution	
BIO3400	Fundamentals of Pharmacology	
BIO4040 & BIO4046	Functional Histology and Functional Histology Laboratory	
BIO4070	Fundamentals of Immunology	
CHM1022 & CHM1026	General Chemistry II and General Chemistry II Laboratory	
CHM2011 & CHM2016	Organic Chemistry I and Organic Chemistry I Laboratory	
CHM2022 & CHM2026	Organic Chemistry II and Organic Chemistry II Laboratory	
CHM2050 & CHM2056	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory	
CHM3200	Analytical Chemistry	
EQN1100	Fundamentals Of Collegiate Riding I	
EQN1110	Fundamentals of Collegiate Riding II	
EQN1150	Introduction to Dressage	
EQN1200	Introduction to Combined Training	
EQN1300	Equitation on the Flat	
EQN1310	Fundamentals of Hunter Seat Equitation	
EQN2001	Foundations of Riding Theory	
EQN2100	Training Level Dressage	
EQN2110	First Level Dressage	
EQN2200	Intermediate Combined Training	
EQN2320	Hunter Seat Equitation Novice	
EQN3001	Methods of Riding Instruction I	
EQN3030	Equine Competition Management and Course Design	
EQN3040	Sport Horse Evaluation and Judging	
EQN3120	Second Level Dressage	
EQN3130	Third Level Dressage	
EQN3200	Advanced Combined Training	
EQN3280	Introduction to Equine-Assisted Activities and Therapies	
EQN3290	Application of Equine-Assisted Activities and Therapies	
EQN3330	Hunter Seat Equitation Intermediate	
EQN3350	Equine Facility Design and Operation Management	
EQN3430	German Medal Training	
EQN4001	Methods of Riding Instruction II	
EQN4115	Special Topics in Equine Studies I	
EQN4140	Fourth Level and FEI Dressage	
EQN4145	Special Topics in Equine Studies II	
EQN4215	Special Topics in Equine Studies III	
EQN4340	Hunter Seat Equitation Open	
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	
PHY1022 & PHY1026	General Physics II and General Physics II Laboratory	
SCI1005	Introduction to Botany	
SCI1010	Environmental Science	
SCI2030	Introduction to Ecology	
SCI3080	The Business of Sustainability	

### Applied/Experiential Learning

Choose 6 credits from the following:

ASCI4799	College of Arts & Sciences Internship <sup>1c</sup>	6
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	

One course from ART, HIST, HUM, LIT, or REL

Mathematics		6
MATH1020	Fundamentals of Algebra **	
MATH2001 or MATH2010	Statistics I or Introduction to Biostatistics	
Science		3
BIO2001	Genetics	
Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives ****		6
BIO3040	Molecular Biology	
One course with EASC attribute		

### Free Electives #

15 credits selected from 1000–4999 numbered offerings within the university	15
Total Credits	123.0

\* Students are responsible for meeting prerequisites.

\*\* Students considering the Pre-Veterinary specialization must complete MATH1040 Calculus I and BIO3010 Principles of Biochemistry. These courses fulfill arts & sciences and/or free electives.

\*\*\* Students considering the Equine-Assisted Activities and Therapies specialization must complete PSYC2002 Abnormal Psychology and EQN2001 Foundations of Riding Theory. These courses fulfill arts & sciences and/or free electives.

### †Specialization in Equine-Assisted Activities and Therapies 16

Students must select one additional 3 credit Major Elective course if selecting this specialization.

BIO2021	Functional Human Anatomy
BIO2026	Functional Human Anatomy Laboratory
EQN3001	Methods of Riding Instruction I
EQN3280	Introduction to Equine-Assisted Activities and Therapies
EQN3290	Application of Equine-Assisted Activities and Therapies
EQN4001	Methods of Riding Instruction II

### †Specialization in Pre-Veterinary Studies 20

Students must use 1 credit of free-electives to complete the specialization

PHY1011	General Physics I
PHY1016	General Physics I Laboratory
PHY1022	General Physics II
PHY1026	General Physics II Laboratory
CHM1022	General Chemistry II
CHM1026	General Chemistry II Laboratory
CHM2011	Organic Chemistry I
CHM2016	Organic Chemistry I Laboratory
CHM2022	Organic Chemistry II
CHM2026	Organic Chemistry II Laboratory

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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## Food Studies - MINOR

The College of Arts & Sciences offers minors that enhance and strengthen the qualifications of graduates. They are intended to give students opportunities to develop expertise in an area that complements their major program. Real-world applications are embedded in the minors.

This interdisciplinary minor encourages students to explore the significance of food in history, religion, philosophy, literature, politics and more while also developing skills in food writing and presentation. Through diversified coursework, students synthesize and apply theories and concepts from many disciplines of food studies, deepening their understanding of food history and culture and enhancing their major field of studies in the process.

### Food Studies

#### Minor

Choose five of the following: *	15
ENG3030	Introduction to Food Writing
ENG3210	Food Media Presentation Skills
HIST2050	Food in World History
LIT3015	Food In Film And Literature
or LIT3018	Honors Seminar: Food in Film and Literature
PSCI3300	Politics of Food, Human Security and Social Justice
REL3100	Food, Philosophy and Religion
SOC3020	Culture and Food
Total Credits	15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

## Gender Studies - MINOR

A gender studies minor offers JWU students the opportunity to learn about and understand the complex relationships between gender, human behavior and the world in which we live. Gender has been defined differently in different times and places. It is an individual trait but also a component of institutions and nations. The broad and interdisciplinary study of gender adds deeper understanding to any student's program.

### Gender Studies

#### Minor

GEND1040	Introduction to Gender Studies	3
Choose four of the following: *		12
ILS2180	Sexuality: Science/Culture/Law	
ILS2390	The XX Factor	
PSCI3200	Women in American Political Life	
PSYC2015	Human Sexuality	
SOC2100	Sociology of the Family	
SOC3300	Gender in Global Perspective	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Global Studies - MINOR

The Global Studies minor prepares students for meaningful careers in an increasingly globalizing world. Through diversified coursework, students synthesize and apply theories and concepts from many disciplines (e.g., arts, history, religion, philosophy, literature and politics), deepening their understanding of globalization and enhancing their major field of study.

## Global Studies

### Minor

GLS1001	Introduction to Global Studies	3
Choose four of the following: **		12
ART3110	World Cinemas	
GLS2100	Latin American History, Culture and Society	
GLS2200	Asia in Global Perspective: Peoples, Cultures and Politics	
GLS2240	Middle East in Global Perspective: Peoples, Cultures and Politics	
GLS2280	World Regional Geography in Global Perspective	
HIST2002	World History Since 1500	
HIST2300	History of Globalization	
HIST2400	History of the Atlantic World	
HIST2420	History of the Mediterranean World	
HIST2440	History of the Pacific World	
LAW3055	International Business Law	
LIT3120	Masterpieces of World Literature	
REL2001	Comparative Study of World Religions	
SOC2050	Cultures of Africa	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

\*\* Three credits of a Study Abroad course may be applied toward the minor with the following requirements: 3000 level, interdisciplinary in nature and specific to study of the site, and the approval of the department chair.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Interdisciplinary Studies: Design Your Own Major - B.A.

The Interdisciplinary Studies: Design Your Own bachelor's degree program provides opportunities for students who want to design their own program of study by connecting courses across disciplines. Guided by a team of faculty advisers, students acquire expertise in multiple disciplines and are prepared to navigate and excel in a variety of work environments.

Upon completion of the program, graduates are expected to:

- Demonstrate knowledge of individual disciplines and the ability to integrate concepts and skills from multiple disciplines to create innovative frameworks.
- Synthesize multiple perspectives and apply interdisciplinary methods to explore complex issues and contemporary problems.
- Communicate interdisciplinary ideas and concepts in ways that demonstrate awareness of perspective, audience and disciplinary conventions.
- Engage in reflective learning practices and leverage insights to inform future inquiry.

## Interdisciplinary Studies: Design Your Own Major

A four-year program leading to the bachelor of arts degree

### Major Courses

33–39 semester credits of 2 or 3 distinct academic disciplines ****		33-39
One research course		3
IDST1001	Introduction to Interdisciplinary Studies	1.5
IDST3100	Interdisciplinary Project Development	1.5
IDST4900	Interdisciplinary Studies: DYO Capstone Project	3

### Applied/Experiential Learning

Choose 12 credits from the following: ****		12
ASCI4799	College of Arts & Sciences Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3810	Undergraduate Laboratory and Field Research	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL		
Math		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		

### Free Electives <sup>#</sup>

18-24 credits selected from 1000-4999 numbered offerings within the university

18-24

### Total Credits

122.0

- \* If the major consists of 2 distinct academic disciplines, student must complete between 15–21 semester credits (5–7 courses) in each discipline. If the major consists of 3 distinct academic disciplines, students must complete between 9–15 semester credits (3–5 courses) in each discipline. No more than 21 semester credits may be taken in any one discipline.
- \*\* Of the 33–39 semester credits (11–13 major courses), 15 semester credits (5 courses) must be at the 3000 or 4000 level, not including the IDST4900 Interdisciplinary Studies: DYO Capstone Project.
- \*\*\* Students are responsible for meeting prerequisites.
- \*\*\*\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits towards a minor.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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## Leadership Studies - MINOR

The minor in Leadership Studies provides students with a solid foundation of relevant leadership practices. Classroom experiences offer diverse opportunities for students to develop their own leadership skills while learning to apply theory to real-world issues and challenges. The options currently available in this minor include a variety of stimulating courses that engage and encourage students' understanding of leadership as well as their development as young professionals.

### Leadership Studies

#### Minor

LEAD1010	Foundations of Leadership Studies	3
LEAD2012	Power and Leadership	3
LEAD3020	Creative Leadership	3
Choose two of the following:*		6
ILS4302	Abuse of Power: Corruption in Contemporary Society	
PSYC2020	Industrial/Organizational Psychology	
PSYC3350	Psychology of Motivation and Leadership in the Workplace	
PSYC4150	Psychology of Conflict Resolution	
SEE2015	Leadership in Recreation/Leisure Settings	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Liberal Studies - B.S.

Through the required and elective courses in the Liberal Studies bachelor's degree program, students acquire knowledge and experience in the arts, cultural studies, history, philosophy, behavioral sciences, math and science that prepares them to enter the workforce in business, nonprofit, government, and arts and cultural organizations. The degree also prepares them for further graduate studies. In addition, the program includes experiential learning through an internship, service learning and an optional study abroad.

Key differentiators of the JWU Liberal Studies degree program include a requirement that students complete a minor, the inclusion of a heightened form of experiential learning, and in-depth advising in fulfillment of the mission. The required minor is intended to ensure that students have an introduction to a profession or set of professional skills prior to program completion or are prepared to undertake graduate studies.

Upon completion of the program, graduates are expected to:

- Apply oral and written rhetorical strategies to communicate complex arguments.
- Apply appropriate disciplinary criteria to examine complex issues, analyze arguments, conduct credible research, solve problems, make ethical decisions and create original ideas and/or approaches.
- Synthesize and apply knowledge from multiple perspectives to evaluate complex issues and address real-world problems.
- Critically examine and interpret the complexities of human culture, expression and/or behavior using the theories and methods of various disciplines in the humanities, social sciences and natural sciences.

## Liberal Studies

A four-year program leading to the bachelor of science degree

### Major Courses

ART, HIST, LIT, PHIL, REL	One course 2000 level or higher	3
BIO, CHM, PHY or SCI	One course 1000 level or higher	3
ECON, PSCI, PSYC, SOC	One course 2000 level or higher	3
Foreign Language	3 credits as determined by language placement	3
LIBS4900	Liberal Studies Capstone: The Great Conversation	3

### Major Focus

Choose one of the following: 15

#### Arts & Culture

ART, HIST, LIT, PHIL, REL, SOC: One course 2000 level or higher	
ART, HIST, LIT, PHIL, REL, SOC: Four courses 3000 level or higher	

Or

#### Science & Society

MATH: One course 1000 level or higher	
BIO, CHM, ECON, PHY, PSCI, PSYC, SCI, SOC: Four courses 3000 level or higher	

### Minor

Select any minor from offerings within the university (some minors may be offered online only) \* 15

### Applied/Experiential Learning

Choose 6 credits from the following: 6

ASCI4799	College of Arts & Sciences Internship <sup>1C</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3810	Undergraduate Laboratory and Field Research	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
	Study Abroad	

### Related Professional Studies

Arts & Sciences Electives	9 credits with an EASC attribute selected from offerings within the College of Arts & Sciences.	9
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
	Two ILS courses, one at the 2000 level, one at the 4000 level	
Arts and Humanities		6
	Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL	
Mathematics		6

MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
	SCI1010 Environmental Science	
Social Sciences		6
	Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC	
A&S Electives		6
	Two courses with an EASC attribute	
<b>Free Electives<sup>#</sup></b>		
	18 credits selected from 1000-4999 numbered offerings within the university	18
<b>Total Credits</b>		<b>122.0</b>

\* Students are responsible for meeting prerequisites.

<sup>1C</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup>In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Master of Arts in Teaching - M.A.T.

The Master of Arts in Teaching (M.A.T.) degree program prepares graduates to apply for certification in the areas of elementary education/elementary special education, business education/secondary special education, or culinary arts education. All programs offer a student-teaching experience in K–12 schools to complete the M.A.T. program; the culinary arts education concentration also offers the choice of completion of a capstone project that includes teaching at the college level.

All students in the program matriculate as a cohort and follow a prescribed sequence of classes. Students attend two or three classes most terms, for two or three nights a week.

Upon completion of the program, graduates are expected to:

- Communicate effectively through a variety of formats such as technology, discussion, writing and reflective listening.
- Respond to students' developmental and social contexts and provide access to high quality teaching and learning.
- Demonstrate a deep understanding of content in designing learning opportunities.
- Use research, assessment and contextual data to inform practice.
- Work within a professional learning community to support the improvement of teaching, learning, student achievement and pursue professional growth.
- Prepare and deliver lesson plans and curricular units using culinary arts instructional strategies.

In keeping with Johnson & Wales' core value of experience-based learning, the M.A.T. program requires field-based experiences throughout the program to enhance student learning. Candidates apply research-based theories and best practices learned in university courses when they spend time in K–12 or university culinary classrooms each week. Teacher candidates observe, tutor and plan lessons for small-group and whole-class instruction and reflect on their practice in light of 4 domains of professional teaching: 1) planning and preparation, 2) the classroom environment, 3) instruction and 4) professional responsibilities. This professionally focused experience, under the guidance of experienced teachers, enables candidates to develop their skills and knowledge so that they are ready to teach as soon as they secure their first teaching position.

## Assessment Prior to Student Teaching

Student teaching usually occurs during the candidate's final term(s). Permission to student teach is granted to candidates who have

- achieved a program GPA of 3.0 or better;
- passed the appropriate content exam for the concentration areas;
- provided evidence of significant progress toward meeting the Rhode Island Professional Teacher Standards (RIPTS) and all other designated standards related to their concentration; and
- passed a video assessment of readiness for student teaching and an assessment of technology use to support teaching and learning.

## Assessment Prior to Recommendation for Program Completion

Teacher candidates who are pursuing initial teacher certification in one or more areas by the Rhode Island Department of Education must satisfactorily pass several transition points throughout the program. Having completed student teaching and all transition points, teacher candidates present their final portfolio and assessment data to a team of evaluators. In addition, candidates for licensure must have passed all tests required by RIDE for licensure in the areas sought. Following the candidate's presentation, the director of the Teacher Education Program shall make the appropriate recommendation regarding the awarding of the M.A.T. degree and state licensure.\*

*\*It is important to note that, while Johnson & Wales awards the M.A.T. degree, it is the Rhode Island Department of Education that makes the final decision regarding the granting of licensure.*

## Teacher Education - Elementary/Elementary Special Education, Business/Secondary Special Education and Culinary Arts Education Concentrations

Master of Arts in Teaching

### Core Courses

EDUC5130	Foundations for Teaching and Learning	3
SPED5110	Inclusive Teaching of Exceptional Learners	3

**Choose one of the following concentrations:** **30-42**

Elementary /Elementary Special Education Concentration		
EDUC5170	Best Practices in Literacy Instruction	
EDUC5260	Strategies for Teaching Mathematics	
EDUC5280	Strategies for Teaching Science	
EDUC6120	Assessment for Student Learning	
EDUC6230	Disciplinary Literacy in the Social Studies Classroom	
EDUC6910	Student Teaching Part 1: Elementary Education	
EDUC6920	Student Teaching Part 2: Elementary Education	
SPED5120	Assessment and Evaluation of Exceptional Learners	
SPED5150	Curriculum and Methods for Exceptional Learners	
SPED5310	Partnerships: Home, School, Community	
SPED6110	Understanding and Managing Behavior in a Diverse Classroom	
SPED6400	Specialized Instruction	
SPED6915	Student Teaching Part 1: Elementary Special Education	
SPED6925	Student Teaching Part 2: Elementary Special Education	

Or		
Business/Secondary Special Education Concentration		
EDUC5070	Disciplinary Literacy in the Secondary Classroom	
EDUC5190	Teaching Financial Literacy	
EDUC5230	Strategies for Teaching Business	
EDUC6120	Assessment for Student Learning	
EDUC6250	Coding, Apps, and Digital Collaborative Tools	
EDUC6930	Student Teaching Part 1: Business Education	
EDUC6940	Student Teaching Part 2: Business Education	
SPED5120	Assessment and Evaluation of Exceptional Learners	
SPED5150	Curriculum and Methods for Exceptional Learners	
SPED5310	Partnerships: Home, School, Community	
SPED6110	Understanding and Managing Behavior in a Diverse Classroom	
SPED6400	Specialized Instruction	
SPED6935	Student Teaching Part 1: Secondary Special Education	
SPED6945	Student Teaching Part 2: Secondary Special Education	

Or		
Culinary Arts Education Concentration		
EDUC5070	Disciplinary Literacy in the Secondary Classroom	
EDUC5180	Curriculum Development for Culinary Arts Programs	
EDUC5240	Methods of Teaching Culinary Arts	
EDUC5270	Advanced Methods of Teaching Culinary Arts	
EDUC5400	Using Feedback to Support Learning in Culinary Education	
EDUC6570	Classroom Management in the Culinary Arts	
EDUC6610	Sustaining a Culinary Arts Program	
Choose one of the following:		
EDUC6950 & EDUC6960	Student Teaching Part 1: Culinary/Baking Education and Student Teaching Part 2: Culinary/Baking Education	
Or		
EDUC6970 & EDUC6980	Capstone Part 1: Culinary/Baking and Capstone Part 2: Culinary/Baking	

Total Credits 36.0-48.0

Note: Under rare circumstances, a noncertification M.A.T. may be pursued with permission from the dean of the John Hazen White College of Arts & Sciences. Students will substitute six credits of graduate-level electives for their student teaching requirement.

# Mathematics - MINOR

Mathematics is the foundation for countless fields of study, including but not limited to biology, health science, engineering and finance. Students who complete this minor demonstrate to future employers that they possess strong problem-solving skills and are adaptive thinkers. A math minor may help students to future-proof their careers and stand out in a challenging job marketplace.

## Mathematics

### Minor

MATH1040	Calculus I	3
MATH2001	Statistics I	3
or MATH2010	Introduction to Biostatistics	
MATH2040	Calculus II	3
MATH3040	Calculus III	3
Choose one of the following: *		3
Any math course at 2000 level or higher		
ILS2435	Leonardo da Vinci: Culture, Art and Math	
ILS2440	Logic, Reasoning and Nonsense: How to Tell the Difference	
ILS2450	The Mathematics of Art	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Media & Communication Studies - B.A.

Media & Communication students are curious about the production and meaning of media — news, photographs, film, music, television, video games and social networking sites — and about how audiences respond to what they read, see and hear. Our principles menu includes courses on specific media forms, while our practices menu emphasizes advertising, production, writing and management. Students select courses that complement their intellectual and professional interests, usually by designing focus areas in consultation with faculty advisors.

Upon completion of the program, graduates are expected to:

- Demonstrate knowledge of how the major media industries work in local-global contexts.
- Analyze, interpret and evaluate the aesthetic impressions and expressions of media texts.
- Compare and contrast theories that scholars use to explain the beliefs, attitudes, values, opinions and behaviors of media audiences.
- Assess the political-economic and social-cultural influences among media industries, texts and audiences.
- Apply production or writing skills to the creation of an original project.

The program offers a strong liberal arts education and opportunities to study abroad. Media internships serve as springboards for career opportunities in a variety of industries. Additionally, students are well-positioned to pursue graduate degrees in a variety of fields.

## Media & Communication Studies

A four-year program leading to the bachelor of arts degree

### Major Courses

MCST1005	Introduction to Media & Communication Studies	3
MCST1150	Introduction to Media Production *	3
or MCST2450	Writing in Digital Media	
MCST2010	Media Industries	3
MCST2030	Media Texts	3
MCST2050	Media Audiences	3
MCST3090	Critical Perspectives on New Media	3
MCST3700	Media Research Methods	3
MCST4010	Global Media	3
MCST4200	Senior Seminar in Media & Communication Studies	3

### Major Electives - Principles

Choose five of the following: \*\* 15

Visual Media		
ART2010	Introduction to Film	
ART3020	Art History	
ART3110	World Cinemas	
LIT3180	The Graphic Novel	
MCST2200	Television Studies	
MCST2300	American Film	
MCST3200	History of Photography	
Music Media		
ART2030	Music Appreciation	
MCST3100	Radio, Records and Popular Music	
MCST3300	Hip-Hop Culture	
MCST3400	Latinx Music Culture	
MCST4300	Special Topics in Media Studies	
Media Identities		
GEND1040	Introduction to Gender Studies	
MCST3050	Media Identities	
PSCI2200	Race, Politics and Power in America	
PSCI3200	Women in American Political Life	
SOC3100	Sociology of Race and Ethnicity	
SOC3300	Gender in Global Perspective	
Media Culture		
ANTH1050	Cultural Anthropology	
MCST2100	Children, Youth and Media	
MCST4050	Media & Popular Culture	
MCST4100	Media Theory	
SOC1001	Sociology I	
or SOC2005	Honors Seminar: Social Inequalities	
SOC2010	Sociology of Digital Environments	
Media Policy		
HIST2300	History of Globalization	

LAW2001	The Legal Environment of Business I	
LAW3080	Cyberlaw	
PSCI2050	Political Communications	
PSCI3350	Political Parties, Social Movements and Interest Groups	
<b>Major Electives - Practices</b>		
Choose five of the following: **		15
Media Production		
ENG3210	Food Media Presentation Skills	
GDES3300	Design for Motion	
GDES3310	Digital Video II	
MCST1150	Introduction to Media Production	
MCST1210	Foundations of Digital Photography	
MCST2500	Digital Journalism	
MCST2610	Motion Picture Editing	
MCST2650	Sound Production	
MCST3600	Narrative Filmmaking	
MCST3650	Documentary Filmmaking	
MCST4400	Cinematic Lighting Studio	
Media Writing		
ENG2030	Introduction to Newswriting	
ENG2401	Introduction to Creative Writing	
ENG3030	Introduction to Food Writing	
ENG3050	Introduction to Travel Writing	
ENG3130	Introduction to Sports Writing	
ENG3150	Introduction to Fashion Writing	
ENG3300	Literary Editing and Publishing	
ENG3402	Intermediate Creative Writing	
ENG3601	Intermediate Nonfiction Writing	
ENG4403	Advanced Creative Writing Workshop	
ENG4602	Advanced Nonfiction Writing Workshop	
MCST1070	Writing for Radio, Television and Film	
MCST2400	Writing for Publication	
MCST2450	Writing in Digital Media	
MCST2520	Introduction to Environmental Journalism	
MCST2550	Introduction to Multimedia Storytelling	
Media Design		
DMSM1001	Introduction to Digital/Social/Mobile Media	
GDES1030	Vector-Based Design	
GDES1040	Screen Design & Coding I	
GDES1050	Image Editing and Design	
GDES1060	User Experience and Content Design I	
GDES2000	Typography	
GDES2020	Motion Graphics I	
GDES2025	Basics of Screen Design & Coding	
GDES2050	Content Management Systems	
GDES3050	Basics of Print Design	
GDES3140	Motion Graphics II	
Marketing & Advertising		
ADVC1010	Marketing Communications	
ADVC1011	Media Strategy	
ADVC1021	Public Relations and Corporate Communications	
ADVC2001	Creative Concepts and Strategy	
ADVC3003	Advertising Campaigns	
ADVC3010	Digital Media Planning	
ENG3016	Advanced Business Communication	
MRKT1001	Marketing Foundations	
MRKT3045	Social Media Marketing	
Media Management		
SEE2030	The Business of the Entertainment Industry	
SEE2120	Introduction to the Music Industry	
SEE3045	New Media Literacy in Sports, Entertainment and Event Management	
SEE3060	Concert, Tour and Music Festival Production Management	
SEE3150	Television and Movie Production Management	
<b>Applied/Experiential Learning</b>		
Choose 6 credits from the following: ***		6
ASCI4799	College of Arts & Sciences Internship <sup>1C</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1



FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
One MATH-designated course		
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
<b>Total Credits</b>		<b>122.0</b>

\* A student's major course selection may not be used as a major elective.

\*\* Students are responsible for meeting prerequisites.

\*\*\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits toward a minor.

<sup>Ic</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Media & Communication Studies - MINOR

The minor in Media & Communication Studies offers students a robust set of courses designed to prepare them for tomorrow's ever-changing media work. Students receive a well-rounded survey of media theories by taking coursework alongside Media & Communication Studies majors and studying with program faculty. The minor provides an opportunity to develop a rich acquaintance with production tools and technologies as well as hone one's skills in writing, research and analysis. Topics reflect the historical and contemporary interests of the field across all major media, from photographs and motion pictures to music and news.

### Media & Communication Studies

#### Minor

MCST1005	Introduction to Media & Communication Studies	3
MCST1150	Introduction to Media Production	3
or MCST2450	Writing in Digital Media	
MCST2010	Media Industries	3
or MCST2030	Media Texts	
or MCST2050	Media Audiences	
Principles: Choose one of the following electives: *		3
MCST3050	Media Identities	
MCST3090	Critical Perspectives on New Media	
MCST3100	Radio, Records and Popular Music	
MCST3200	History of Photography	
MCST3300	Hip-Hop Culture	
MCST3400	Latinx Music Culture	
MCST4010	Global Media	
MCST4050	Media & Popular Culture	
MCST4100	Media Theory	
MCST4300	Special Topics in Media Studies	
Practices: Choose one of the following electives: *		3
ENG3016	Advanced Business Communication	
ENG3030	Introduction to Food Writing	
ENG3050	Introduction to Travel Writing	
ENG3130	Introduction to Sports Writing	
ENG3150	Introduction to Fashion Writing	
ENG3210	Food Media Presentation Skills	
ENG3402	Intermediate Creative Writing	
ENG3601	Intermediate Nonfiction Writing	
MCST3600	Narrative Filmmaking	
MCST3650	Documentary Filmmaking	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Political Science - B.S.

The Political Science bachelor's degree program prepares students to engage with questions of power, governance, justice and injustice in American and global politics. This program provides students with a rigorous grounding in the analytical, critical and ethical thinking necessary to be an effective professional in the world of politics and public service. Political Science majors encounter the dynamic, complex world of politics through the program's core sequence of courses that emphasizes political literacy and communication, civic and global engagement, ethical decision making, and the application of theory to politics. With priority on exploration and choice, students may pursue their educational and career goals through our program's three major elective categories: 1) American/U.S. Politics, 2) International and Comparative Politics, and 3) Political Thought, Communication and Practice.

Upon completion of the program, graduates are expected to:

- Analyze a diversity of political systems, movements, issues and the dynamic nature of international relations.
- Apply political theory to the practice of politics and political science.
- Demonstrate fluency in the fundamentals of political communications in a variety of professional contexts and settings.
- Effectively employ qualitative and quantitative research methods as appropriate to data demands and contexts.
- Articulate and integrate core ethical principles and standards that define public service and the professional practice of political science.

Students are encouraged to pursue a wide range of opportunities for experiential and applied learning in politics and political science, through program options such as internships, study abroad and language learning. These opportunities provide students with the critical edge needed for building a career in politics and political science, including political campaign management and leadership, political communications, policy research, constituent relations, foreign service, nonprofit organizations, international governmental organizations, transnational corporations, international trade, and government agencies operating at the local, state and federal levels, as well as graduate study. Students also have the opportunity to produce an undergraduate thesis, which prepares them for further graduate study.

## Political Science

A four-year program leading to the bachelor of science degree

### Major Courses

PSCI1001	Introduction to Political Science	3
PSCI1030	Introduction to Political Theory	3
PSCI2001	International Relations and World Politics	3
PSCI2050	Political Communications	3
PSCI2100	Comparative Politics and Government	3
PSCI3005	Political Ideologies and the 21st Century	3
PSCI3050	American Politics, Policy and Institutions	3
PSCI3100	Research Methods in Political Science	3
PSCI3150	Ethics in Public Life	3
PSCI4900	Capstone Seminar in Political Science	3

### Major Electives

Choose seven of the following courses (at least four courses must have a PSCI designation):\* 21

American/U.S. Politics		
HIST2100	U.S. History from Colonial Times to 1876	
HIST2200	U.S. History Since 1877 (to the Present)	
HIST3020	A Multicultural History of America	
HIST3100	Contemporary American History: The United States in a Global Age	
PSCI2150	American Constitutional Law	
PSCI2200	Race, Politics and Power in America	
PSCI3200	Women in American Political Life	
PSCI3500	Special Topics in Political Science	
SCI3020	Sustainability Policy and Planning	
SOC2070	Social Issues in Contemporary America	
International Relations and Comparative Politics		
CJS3820	Cyber Crimes	
CJS3850	Homeland Security	
CJS4033	Terrorism	
ECON3025	The Global Economy in the 21st Century	
HIST3010	Modern History	
PSCI3250	Dynamics of Contemporary Diplomacy and Statecraft	

PSCI3300	Politics of Food, Human Security and Social Justice	
REL2001	Comparative Study of World Religions	
Political Thought, Communication and Practice		
LEAD2012	Power and Leadership	
PSCI3350	Political Parties, Social Movements and Interest Groups	
PSCI4100	Issues in Political Theory: The Politics of Human Rights in Global Perspective	
PSYC4150	Psychology of Conflict Resolution	
<b>Applied/Experiential Learning</b>		
Choose 6 credits from the following:**		6
ASCI4799	College of Arts & Sciences Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
MATH2002	Statistics II	3
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
HIST3200	American Government	
One course from ART, HUM, LIT, PHIL or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
SCI1010	Environmental Science	
Social Sciences		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives<sup>#</sup></b>		
18 credits selected from 1000-4999 numbered offerings within the university		18
Total Credits		122.0

\* Students are responsible for meeting prerequisites.

\*\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits towards a minor.

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Political Science - MINOR

The Political Science minor prepares students to engage with questions of power, governance, justice and injustice in American and international politics. This program provides students with a rigorous grounding in the analytical and ethical thinking necessary to be an effective professional in the world of politics and public service. Students studying political science encounter the dynamic, complex world of politics through courses that emphasize political literacy and communication, civic and global engagement, ethical decision-making, and the application of theory to politics. A political science minor is one that is readily recognized by employers, and demonstrates students have a focused interest and skill set that deepens their efficacy in dealing with a variety of sociopolitical conditions at local, national and global scales, as well as a nuanced understanding of human power relations, current practices in politics, governance, research methods and data analysis, leadership, diplomacy, and conflict analysis.

### Political Science

#### Minor

PSCI1001	Introduction to Political Science	3
PSCI2001	International Relations and World Politics	3
Choose three of the following: *		9
LEAD2012	Power and Leadership	
PSCI1030	Introduction to Political Theory	
PSCI2050	Political Communications	
PSCI2100	Comparative Politics and Government	
PSCI2150	American Constitutional Law	
PSCI2200	Race, Politics and Power in America	
PSCI3005	Political Ideologies and the 21st Century	
PSCI3050	American Politics, Policy and Institutions	
PSCI3100	Research Methods in Political Science	
PSCI3150	Ethics in Public Life	
PSCI3200	Women in American Political Life	
PSCI3250	Dynamics of Contemporary Diplomacy and Statecraft	
PSCI3300	Politics of Food, Human Security and Social Justice	
PSCI3350	Political Parties, Social Movements and Interest Groups	
PSCI3500	Special Topics in Political Science	
PSCI4100	Issues in Political Theory: The Politics of Human Rights in Global Perspective	
SCI3020	Sustainability Policy and Planning	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Postbaccalaureate Pre-Medical & Pre-Health Professions Program

The Postbaccalaureate Pre-Medical & Pre-Health Professions Program offers students who already have undergraduate degrees with the opportunity to take prerequisite courses for medical, nursing, dental, veterinary schools, and physician assistant, physical therapy, occupational therapy, or other graduate programs\*.

This program is designed for students who require all or some of the prerequisite courses for health-related schools and graduate programs. The duration of the program depends on a student's individual goals. The program consists of a minimum of 22 credits in health-related courses, with up to four transfer credits accepted from work completed at another institution. Additional credits may be required for application to specific target programs. Students who complete a minimum of 22 credit hours (with up to four transfer credits) receive a letter that acknowledges their completion of the program. Students who meet certain eligibility requirements (including requirements related to the minimum number of credits, the minimum GPA, and all course prerequisites for their target graduate program) receive a holistic academic evaluation, based on a transcript analysis and graduate program readiness evaluations completed by faculty members. Additional letters of recommendation may also be provided at the discretion of a student's instructors. All students enrolled in the program are provided the same one-on-one advising, tutoring, academic support, and professional mentoring that comes with a Johnson & Wales University education.

Upon completion of this program, graduates are expected to:

- Demonstrate readiness to pursue health-related graduate education.

\*Two semester organic chemistry courses that satisfy prerequisite requirements for medical, dental, veterinary and pharmacy school are only offered at the Providence Campus.

## NOTES:

The Postbaccalaureate Pre-Medical & Pre-Health Professions Program offers undergraduate college preparatory coursework. Students interested in financial aid for this program must complete the Free Application for Federal Student Aid (FAFSA), <https://studentaid.gov/h/apply-for-aid/fafsa>, as a 5th year undergraduate. Aid eligibility is limited to Federal Direct Student Loans for a single consecutive 12 month period over the student's lifetime. Students must enroll in at least 6 credit hours per semester to be considered for any financial aid. Only necessary prerequisite courses are aid-eligible; courses taken to improve GPA are ineligible. Students should reach out to their student financial planning counselor for additional information.

Students who do not need to complete the full program may take only the courses they need as extension students.

## Postbaccalaureate Pre-Medical & Pre-Health Professions

The Postbaccalaureate Pre-Medical & Pre-Health Professions Program is a 22 semester credit program.

### General Requirements <sup>\*,\*\*</sup> 22

Biology	
BIO1011 & BIO1016	General Biology - Cellular and General Biology Laboratory - Cellular
BIO1022 & BIO1026	General Biology - Organismal and General Biology Laboratory - Organismal
BIO2001	Genetics
BIO2021 & BIO2026	Functional Human Anatomy and Functional Human Anatomy Laboratory
BIO2041 & BIO2046	Human Physiology and Human Physiology Laboratory
BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory
BIO3010	Principles of Biochemistry
BIO4070	Fundamentals of Immunology
Chemistry	
CHM1011 & CHM1016	General Chemistry I and General Chemistry I Laboratory
CHM1022 & CHM1026	General Chemistry II and General Chemistry II Laboratory
CHM2011 & CHM2016	Organic Chemistry I and Organic Chemistry I Laboratory
CHM2022 & CHM2026	Organic Chemistry II and Organic Chemistry II Laboratory

CHM2050 & CHM2056	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory
CHM3040 & CHM3046	Biochemistry and Biochemistry Laboratory
Physics	
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory
PHY1022 & PHY1026	General Physics II and General Physics II Laboratory
Or	
PHY2011 & PHY2016	Physics I and Physics I Laboratory
PHY2022 & PHY2026	Physics II and Physics II Laboratory
Math	
MATH1040	Calculus I
MATH2010	Introduction to Biostatistics
MATH2040	Calculus II

\* Students should check with the school(s) and programs of their choice to determine which courses they need to apply for admittance. Different schools may recommend additional work in biology, the behavioral sciences, research experience, or clinical experience.

\*\* Students who complete a minimum of 22 credit hours (with up to four transfer credits) from the list above receive a letter that acknowledges their completion of the program. Students are required to maintain a 3.0 GPA to remain eligible for the program:



# Professional Communication - MINOR

The College of Arts & Sciences offers minors that enhance and strengthen the qualifications of graduates. They are intended to give students opportunities to develop expertise in an area that complements their major program. Real-world applications are embedded in the minors.

Having strong communication skills is essential for success in many fields of business and industry. Whether making decisions, analyzing performance, designing user-friendly systems or managing a project, effective communication of business and technical details is needed. This minor focuses on building written and oral communication, use of new media, collaboration and problem-solving skills as part of career education.

## Professional Communication

### Minor

ENG2010	Introduction to Technical Communication	3
or ENG2030	Introduction to Newswriting	
ENG3010	Technical Editing	3
Choose three of the following:*		9
ADVC1021	Public Relations and Corporate Communications	
ENG2010	Introduction to Technical Communication	
ENG2030	Introduction to Newswriting	
ENG2401	Introduction to Creative Writing	
ENG3016	Advanced Business Communication	
ENG3030	Introduction to Food Writing	
ENG3050	Introduction to Travel Writing	
ENG3130	Introduction to Sports Writing	
ENG3150	Introduction to Fashion Writing	
ENG3300	Literary Editing and Publishing	
ENG3402	Intermediate Creative Writing	
ENG3601	Intermediate Nonfiction Writing	
ENG4403	Advanced Creative Writing Workshop	
ENG4602	Advanced Nonfiction Writing Workshop	
GDES1000	Drawing for Design	
GDES3050	Basics of Print Design	
MCST1070	Writing for Radio, Television and Film	
MCST2400	Writing for Publication	
MCST2450	Writing in Digital Media	
PRMG2010	Introduction to Project Management & Project Membership	
or PRMG3010	Intermediate Project Management Skills	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Psychology - B.S.

The Psychology bachelor's degree program offers students the opportunity to learn about and understand the complex relationships between human behavior and the world in which we live. This program also emphasizes awareness, understanding and appreciation for diversity, culture and global perspectives. This degree program incorporates career-related knowledge, skills and abilities, as well as opportunities for experiential learning, that prepare graduates for lifelong learning and professional success.

Upon completion of the program, graduates are expected to:

- Apply key concepts, theories and research findings in the discipline of psychology to understand, explain and evaluate human behavior.
- Use creative and critical thinking to evaluate, interpret, design and conduct basic psychological research in accordance with ethical principles of the field.
- Integrate ethical practice, sociocultural factors and diversity considerations when addressing the needs of individuals in complex multicultural environments.
- Demonstrate written, oral and interpersonal communication skills required of psychology professionals.
- Articulate a plan to establish a professional identity, and to pursue professional development in the field of psychology.

Upon completion of the Counseling specialization (offered at the Providence and Charlotte campuses), graduates are expected to:

- Demonstrate effective counseling skills/techniques within a supervised clinical setting and explain the roles and functions of human service agencies within the community.

Graduates of the program are expected to demonstrate knowledge of the ways in which psychological theories explain human behavior, professional and ethical practices, social and cultural diversity, and psychological research methods. Graduates are prepared to enter graduate school in a variety of psychology disciplines (e.g., counseling, clinical, industrial/organizational), or immediately enter the workforce in fields such as human resources, public affairs, business and the helping professions.

## Psychology

A four-year program leading to the bachelor of science degree

### Major Courses

PSYC1001	Introductory Psychology	3
PSYC1020	Introduction to Professional Issues and Ethics in Psychology	3
PSYC2002	Abnormal Psychology	3
PSYC2030	Developmental Psychology	3
PSYC3001	Social Psychology	3
PSYC3010	Personality	3
PSYC3040	Introduction to Neuropsychology and Psychopharmacology	3
PSYC4200	Cultural Psychology	3
RSCH2050	Workshop in Acquiring Social Research Skills	3
RSCH4050	Research Seminar in Psychology	3
<b>Applied/Experiential Learning &amp; Major Electives or Specialization in Counseling Psychology</b>		
Choose 6 credits from the following: *		
ASCI4799	College of Arts & Sciences Internship <sup>1c</sup>	6
DEE3999	Directed Experiential Education <sup>D</sup>	
RSCH3830	Undergraduate Research Experience	
RSCH4020	Honors Directed Academic Experience	
Study Abroad		
Choose six of the following (No more than two SOC-designated courses): **		
CJ52050	Criminology	
CSLG2030	Counseling Theories and Techniques	
CSLG2040	Introduction to Career and School Counseling	
CSLG2110	Introduction to Family Treatment for Addictions Counselors	
CSLG3001	Introduction to Case Management	
CSLG3005	Introduction to Crisis Intervention	
CSLG3010	Principles of Group Counseling	
CSLG3040	Counseling Techniques for Addictions and Other Behavioral Disorders	
CSLG3050	Introduction to Marriage and Family Therapy	
PSYC2015	Human Sexuality	

PSYC2020	Industrial/Organizational Psychology	
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors	
PSYC2100	Health Psychology	
PSYC3200	Cognitive Psychology	
PSYC3350	Psychology of Motivation and Leadership in the Workplace	
PSYC3420	Criminalization of Mental Illness	
PSYC4150	Psychology of Conflict Resolution	
SOC2035	Sociology of Aging	
SOC2040	Community Leadership: An Applied Sociology	
SOC2070	Social Issues in Contemporary America	
SOC3060	Deviant Behavior	
Or		
Specialization in Counseling Psychology (24 credits)		
CSLG2030	Counseling Theories and Techniques	
CSLG3001	Introduction to Case Management	
CSLG3005	Introduction to Crisis Intervention	
CSLG3010	Principles of Group Counseling	
CSLG4099	Internship in Counseling Psychology (6 credits)	
Choose two of the following:		
CSLG2040	Introduction to Career and School Counseling	
CSLG2110	Introduction to Family Treatment for Addictions Counselors	
CSLG3040	Counseling Techniques for Addictions and Other Behavioral Disorders	
CSLG3050	Introduction to Marriage and Family Therapy	
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		
ENG1020	Rhetoric & Composition I	9
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL		
Mathematics		
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	6
MATH2001	Statistics I	
or MATH2010	Introduction to Biostatistics	
Science		
Choose one of the following:		
SCI1015	Introduction to Life Science	3
SCI1050	Nutrition	
SCI2031	Anatomy and Physiology	
Social Sciences		
SOC1001	Sociology I	6
or SOC2005	Honors Seminar: Social Inequalities	
One course from ANTH, ECON, GEND, LEAD, PSCI, PSYC or RES		
A&S Electives		
Two courses with an EASC attribute		
<b>Free Electives #</b>		
24 credits selected from 1000-4999 numbered offerings within the university		
Total Credits		122.0

\* In lieu of an internship, directed experiential education, research course, or study abroad, students may use the Applied/Experiential Learning credits towards a minor.

\*\* Students are responsible for meeting prerequisites.

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply.

Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. *Where will you go?*

## Psychology - MINOR

A Psychology minor offers non-psychology students the opportunity to learn about and understand the complex relationships between human behavior and the world in which we live, expanding their knowledge of their own fields through a deeper understanding of psychological processes.

### Psychology

#### Minor

PSYC1001	Introductory Psychology	3
PSYC2002	Abnormal Psychology	3
PSYC2030	Developmental Psychology	3
Choose two of the following:*		6
PSYC2015	Human Sexuality	
PSYC2020	Industrial/Organizational Psychology	
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors	
PSYC2100	Health Psychology	
PSYC3001	Social Psychology	
PSYC3010	Personality	
PSYC3200	Cognitive Psychology	
PSYC3350	Psychology of Motivation and Leadership in the Workplace	
PSYC3420	Criminalization of Mental Illness	
PSYC4150	Psychology of Conflict Resolution	
PSYC4200	Cultural Psychology	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Race and Ethnicity Studies - MINOR

The Race and Ethnicity Studies minor provides students of all majors the opportunity for in-depth exploration of the meanings, significance and interdependence of race and ethnicity in the United States. Students benefit from interdisciplinary course choices in order to make connections and facilitate understanding of race and ethnicity in the U.S.

## Race and Ethnicity Studies

### Minor

RES1010	Introduction to Race and Ethnicity in the United States	3
Choose four of the following:*		12
HIST3020	A Multicultural History of America	
HIST3400	African American History	
LIT2030	African-American Literature	
LIT2090	Multi-Ethnic Literature	
MCST3050	Media Identities	
MCST3300	Hip-Hop Culture	
PSCI2200	Race, Politics and Power in America	
SOC2005	Honors Seminar: Social Inequalities	
SOC3100	Sociology of Race and Ethnicity	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.



# Teaching and Learning - M.Ed.

The Teaching and Learning Master of Education degree program at Johnson & Wales University is a two-year graduate course of study designed to develop master teachers. The program affords practicing teachers an opportunity to use their classrooms as learning laboratories to improve their teaching skills.

The program is designed as a cohort model, which means that students move together as a professional learning community, fostering a team approach to studying and solving educational problems through the required sequence of courses.

Participants in the program examine teaching and learning through eight comprehensive courses and the completion of a capstone project. Throughout the program, the emphasis is on the integration of theory, research and application. Key program features include:

- Problem-based learning – learning experiences that include authentic problems and issues from PK–16 classrooms and schools
- Applied research – a direct application of theory through the role of teacher as a researcher
- Collaborative learning – the development of a community of learners where participants and faculty support and enhance learning
- Technology integration – the incorporation of information technology tools throughout the program
- Experiential learning – university-based learning applied immediately in each participant's own classroom setting, tying together new learning, research-based best practices, and ongoing reflection in an effort to improve the learning of his/her current students

## Conceptual Framework

The M.Ed. teacher candidate outcomes are designed to develop habits of reflection, responsiveness and persistence to relentlessly focus on student access, learning needs, well-being and achievement.

Upon completion of the program, graduates are expected to:

- Demonstrate a deep knowledge of teaching and learning.
- Deliver effective instructional strategies that engage, motivate and focus students, and use multiple methods to monitor student learning.
- Continuously examine and adjust teaching practices to improve student learning and build a repertoire of teaching skills.
- Respond to students' diverse developmental and social contexts and ensure access to high quality teaching and learning.
- Lead and actively build partnerships with colleagues, parents and community groups to work on instruction, policy and curriculum.

## Program Requirements

Although degree candidates in the program are expected to complete the entire sequence of courses, individuals are able to take a single course for graduate credit prior to making the decision to enroll in the full program. To take more than one course, enrollment in the program is required. Successful candidates in this program are expected to work collaboratively with others, applying theory and knowledge gained through the program to develop their expertise in the area of teaching and learning. The program requires the following:

- Successful completion of eight classes
- Successful completion of a capstone project
- Compliance with all Johnson & Wales University policies

## Teaching and Learning

Master of Education

### Major Courses

EDUC5315	Exploration of Teaching and Learning	4.5
EDUC5335	Culturally Responsive Teaching	4.5
EDUC5355	Standards and Curriculum Development	4.5
EDUC5375	Instructional Strategies and Resources	4.5
EDUC6315	Assessment and Evaluation in Education	4.5
EDUC6335	Embedding Formative Assessment in Teaching Practices	4.5
EDUC6355	Supporting Learners in a Challenging World	4.5
EDUC6375	Teaching: A Call to Action	4.5

Total Credits 36.0

# University Explorations Program

The University Explorations Program allows students who want to explore the educational paths that Johnson & Wales offers to pursue a program of general studies as well as introductory courses in areas of interest during their first two semesters. With the help of a faculty adviser, students choose a major by the end of the first year, in any of the colleges at Johnson & Wales. Students who begin their studies in the University Explorations Program may be eligible to earn a bachelor's degree at the end of four years of study.

## University Explorations Program

### Explorations Courses

FYS1010	First-Year Seminar - University Explorations	1
Choose up to six credits from the following:		6
BUS1001	Introduction to Business and Management	
CJS1002	Introduction to Criminal Justice	
CSIS1000	Problem Solving and Programming Concepts	
CULN1010	An Introduction to the Fields of Food, Food Service and Nutrition	
CULS2010	Introduction to Food Product Development	
ECON1001	Macroeconomics	
ENTR2001	Introduction to Entrepreneurship	
GDES1020	Design Theory and Practice	
HSC1010	Introduction to Health Professions	
HOSP1001	Orientation to the Hospitality Industry	
MCST1005	Introduction to Media & Communication Studies	
PSCI1001	Introduction to Political Science	
PSYC1001	Introductory Psychology	
SCI1010	Environmental Science	
SCI1050	Nutrition	
SEE1001	Introduction to the Sports, Entertainment and Event Management Industry	
SFS1001	Introduction to Food Systems	
SOC1001	Sociology I	
Choose six additional credits in consultation with a University Explorations adviser.		6
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Mathematics		3
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
Choose two other courses from A&S Core Experience		6
Total Credits		31.0

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# College of Business

## Undergraduate

- **Bachelor of Science (B.S.) Degree**
  - Accounting (p. 72)
  - Advertising & Marketing Communications (p. 75)
  - Business Studies (p. 79)
  - Cannabis Entrepreneurship (p. 80)
  - Digital Marketing & Social Media (p. 123)
  - Fashion Merchandising & Retailing (p. 82)
  - Finance (p. 84)
  - Healthcare Administration (p. 86)
  - Marketing (p. 92)
- **Bachelor of Science in Business Administration (B.S.B.A.) Degree**
  - Business Administration (p. 77)
  - Entrepreneurship (p. 81)
  - Human Resource Management (p. 87)
  - International Business (p. 90)
  - Management (p. 91)
  - Operations and Supply Chain Management (p. 112)
- **Minor**
  - Accounting (p. 73)
  - Advertising (p. 74)
  - Finance (p. 85)
  - Human Resource Management (p. 88)
  - Marketing (p. 94)
- **Programs for Undecided Students (track into bachelor's degree program)**
  - Business Explorations (p. 78)
- **Non-Degree**
  - Pre-Master's Program for Business Degree Holders (p. 113)
  - Pre-Master's Program for Non-Business Degree Holders (p. 114)

## Graduate

- **Master of Business Administration (MBA)**
  - MBA (p. 95)
  - MBA - Accounting Concentration (p. 96)
  - MBA - Event Leadership Concentration (p. 97)
  - MBA - Finance Concentration (p. 98)
  - MBA - Global Fashion Merchandising & Management Concentration (p. 99)
  - MBA - Hospitality Concentration (p. 100)
  - MBA - Human Resource Management Concentration (p. 101)
  - MBA - Information Security/Assurance Concentration (p. 102)
  - MBA - Information Technology Concentration (p. 103)
  - MBA - Marketing Concentration (p. 104)
  - MBA - Nonprofit Management Concentration (p. 105)
  - MBA - Operations and Supply Chain Management Concentration (p. 106)
  - MBA - Organizational Leadership Concentration (p. 107)
  - MBA - Organizational Psychology Concentration (p. 108)
  - MBA - Project Management Concentration (p. 110)
  - MBA - Sport Leadership Concentration (p. 111)
  - MBA One Year Program (p. 109)
- **Master of Science (M.S.)**
  - Human Resource Management (p. 89)

# Accounting - B.S.

The Accounting bachelor's degree program prepares students for the wide range of career opportunities available to accounting professionals. Students in the program receive a solid foundation in accounting theory and practice as well as in the areas of business, communication and general studies.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the accounting profession.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods required in the field of accounting.
- Use decision-support tools to solve problems and facilitate organizational processes.
- Identify, analyze and resolve ethical issues related to accounting decisions.
- Identify and analyze global business issues and transactions and apply the appropriate accounting technical skills necessary to address issues and record transactions.

Students completing the program are well positioned for entry-level opportunities in public accounting firms and similarly challenging opportunities in private, governmental and nonprofit organizations. Positions include staff accountants, cost accountants, tax accountants and auditors.

Students wishing to satisfy the 150 Hours of College Education requirement, now required in many states before being allowed to take the Uniform Certified Public Accountants Examination, may achieve this objective and at the same time earn a master's degree by applying for acceptance to the university's MBA program at the end of their junior year. Acceptance will be granted provided the student receives the recommendation of two undergraduate faculty members, successfully completes an interview process, fulfills the requirements for the bachelor of science degree and meets the minimum GPA requirement. Students wishing to pursue CPA licensure can learn about specific licensure requirements by visiting <https://nasba.org/exams/cpaexam/>.

To maximize the benefits of choosing electives, and because of different state requirements, students desiring to sit for the Uniform Certified Public Accountants examination are urged to contact their faculty advisor early in the program.

Students who maintain at least a 2.00 grade point average can apply for on-campus and off-campus internships. By participating in an internship, students receive professionally focused experience by performing accounting functions for various departments at the university or firms and organizations outside the university. These students can typically gain experience in such areas as accounts payable, accounts receivable, general ledger accounting, auditing, and income tax preparation. Additional options are also available for foreign travel through the study abroad program.

## Accounting

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3

### Major Courses

ACCT2210	Intermediate Accounting Theory and Practice I	3
ACCT2220	Intermediate Accounting Theory and Practice II	3
ACCT3011	Federal Taxes I	3
ACCT3035	Cost Accounting	3
ACCT3050	Advanced Accounting	3
ACCT3060	Accounting Information Systems	3
ACCT4040	Auditing	3

### Applied/Experiential Learning

Choose 6 credits from the following:		6
BUS4799	College of Business Internship <sup>IC</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1035	Quantitative Analysis I (or higher, based on student's placement) <sup>*</sup>	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives<sup>#</sup></b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

\* Students that do not place in MATH1035 Quantitative Analysis I, will need to take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this will count as an A&S elective.

<sup>IC</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup>In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Accounting - MINOR

A minor in Accounting provides students with a solid foundation in accounting and gives students an advantage in obtaining and progressing in their chosen career fields. The curriculum focuses on communicating financial information to decision-makers. Students develop a strong understanding of the accounting principles, concepts, and the effect that the transactions of a business have on its success.

Our accounting courses help students develop essential analytical and critical thinking skills while building their knowledge of accounting.

### Accounting

#### Minor

ACCT1210	Financial Accounting *	3
ACCT1220	Managerial Accounting	3
ACCT2210	Intermediate Accounting Theory and Practice I	3
ACCT2220	Intermediate Accounting Theory and Practice II	3
Choose one of the following:		3
ACCT2035	Accounting Software	
ACCT3011	Federal Taxes I	
ACCT3060	Accounting Information Systems	
ACCT4040	Auditing	
<b>Total Credits</b>		<b>15.0</b>

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

## Advertising - MINOR

The Advertising Minor offers students a collaborative, hands-on, résumé-building experience in the exciting field of advertising. Students learn from a comprehensive process that begins with gathering consumer research and insights and leads to formation of “the big idea” and its creative execution.

A minor in Advertising complements many of the current degree offerings and provides expanded career opportunities that result from working on a national advertising campaign. Students build a portfolio of work to support their career ambitions in areas such as copywriting, media communications, art direction, campaign strategy and research.

As part of the program, students select courses to emphasize their experience in strategy or creative advertising.

### Advertising

#### Minor

ADVC1010	Marketing Communications *	3
ADVC2001	Creative Concepts and Strategy	3
ADVC4015	Integrated Marketing Communications Seminar I	3
Choose two of the following:		6
ADVC1011	Media Strategy	
ADVC2002	Copywriting and Art Direction	
ADVC3003	Advertising Campaigns	
ADVC3050	Special Projects in Integrated Marketing Communications	
GDES3050	Basics of Print Design	
MCST1150	Introduction to Media Production	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student’s major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.



# Advertising & Marketing Communications - B.S.

The Advertising & Marketing Communications bachelor's degree program provides students with a wide range of knowledge and practical skills related to the development and execution of integrated marketing communication plans, which embrace the promotional elements of strategic and creative advertising, media, branding, public relations, sales promotion, and digital and search engine marketing. A hallmark of the program is the team approach to learning taught in a highly creative environment whereby students work in groups for real-world clients similar to an advertising or marketing agency.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the advertising industry.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods as required by the advertising industry.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Analyze research and apply critical thinking to identify and recommend appropriate communications-based solutions for client/brand challenges that include traditional, digital and social executions.
- Develop branding and creative strategies for fully integrated campaigns that align with marketing and communications objectives for local, national and global brands.

Students create advertising strategies, plan and buy media, write publicity and cause-related materials, develop research strategies, develop digital and social media strategies and viral advertising programs, and produce concepts for print, broadcast and online advertisements. Students have the opportunity to hone these skills while participating in a term-long internship at a wide variety of employers. This is a semester long, 6–12 credit experience at a university-approved internship site.

The Advertising & Marketing Communications program offers two specializations (15 credits) at the Providence Campus that enhance and strengthen the qualifications of graduates interested in Digital Marketing & Analytics and Creative Advertising. These are intended to give students opportunities to develop expertise in a functional area that complements their major. Real-world applications are embedded in both specializations.

The Digital Marketing and Analytics specialization affords students who are either Marketing or Advertising & Marketing Communications majors the opportunity to gain additional knowledge and skills in the expanding digital marketing and research analytics industry. Students can pursue careers in digital media planning, digital analytics, database management, research management, search engine marketing and content marketing.

Upon completion of the Digital Marketing and Analytics specialization (offered at the Providence campus), students are expected to:

- Develop online optimization strategies for paid and organic search marketing using analytics and digital platforms.

The Creative Advertising specialization is suitable for students who are interested in careers in art direction and copywriting, branded content production, digital display, brand design and development, blogging and content management.

Upon completion of the Creative Advertising specialization (offered at the Providence campus), students are expected to:

- Write, design and produce creative advertising and branded content in both digital and traditional media.

## Advertising & Marketing Communications

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3

MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
<b>Major Courses</b>		
ADVC1010	Marketing Communications	3
ADVC1011	Media Strategy	3
or GDES3050	Basics of Print Design	
ADVC2001	Creative Concepts and Strategy	3
ADVC2025	Advanced Brand Communications	3
ADVC3010	Digital Media Planning	3
or ADVC2002	Copywriting and Art Direction	
ADVC4015	Integrated Marketing Communications Seminar I	3
<b>Applied/Experiential Learning</b>		
Choose 9 credits from the following:		9
BUS4799	College of Business Internship <sup>LC</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
Choose one of the following:		
MCST1070	Writing for Radio, Television and Film	
MCST2450	Writing in Digital Media	
MCST3600	Narrative Filmmaking	
<b>Free Electives<sup>#</sup></b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0
<b>Specialization in Creative Advertising 15</b>		
ADVC2002	Copywriting and Art Direction	
ADVC3003	Advertising Campaigns	
or MRKT3045	Social Media Marketing	
ADVC4020	Portfolio Seminar	
Choose 6 credits of the following:		
ADVC3050	Special Projects in Integrated Marketing Communications	
ADVC4120	Marketing Communications in an International Context	
BUS4799	College of Business Internship	
GDES1030	Vector-Based Design	
MRKT3150	Special Topics in Marketing	
<b>Specialization in Digital Marketing and Analytics 15</b>		
ADVC3010	Digital Media Planning	
or MRKT3045	Social Media Marketing	
ADVC4050	Search Engine Marketing	
MRKT3085	Marketing Analytics	
Choose 6 credits of the following:		
ADVC3050	Special Projects in Integrated Marketing Communications	
or MRKT3150	Special Topics in Marketing	
ADVC4120	Marketing Communications in an International Context	
BUS4799	College of Business Internship	

<sup>C</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Business Administration - B.S.B.A.

The Business Administration Bachelor of Science in Business Administration (BSBA) degree program provides a balanced combination of required core courses to ensure students can achieve a solid business and general studies education, and electives to inspire students to customize their program to best fit their unique interests.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Analyze the risks and opportunities of doing business in a global environment.

This program's business-related core builds a solid foundation by exposing students to relevant areas of accounting, economics, information technology, business law, finance, marketing and management. Arts and sciences courses also provide opportunities for students to acquire the skills important for professional success and lifelong personal and intellectual growth. Flexibility has been built into the program to allow students to explore a wide range of business courses and disciplines.

Students also tailor their degree by working with a faculty adviser to select 15 credits of electives. In doing so, students have the freedom to choose from extensive options to best suit their goals. For example, students can pursue internships, directed experiential education, and/or study abroad credits to prepare for a more specific career.

## Business Administration

A four-year program leading to the bachelor of science in business administration degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3

### Major Courses

ENR, IBUS, MGMT, RMGT	Two courses 2000 level or higher	6
ACCT, ADV, ENR, FISV, IBUS, MGMT, MRKT, RMGT*, RTL	Three courses 3000 level or higher	9
ACCT, ADV, ENR, FISV, IBUS, MGMT, MRKT, RMGT*, RTL	One course at the 4000 level	3

### Applied/Experiential Learning

Choose 9 credits from the following:		9
BUS4799	College of Business Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	

MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

\* 3000 and 4000 level RMGT courses are only offered online.

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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# Business Explorations

Because some students may be unsure of their major when they enroll at Johnson & Wales University, the Business Explorations option allows them to pursue a basic business program and general studies, and, within their first year, choose a major from a number of business programs. Students who begin their studies in the Business Explorations program may be eligible to earn a bachelor of science degree at the end of four years of study.

## Business Explorations

All students enrolled in the Business Explorations program pursue the following program of study for the first year. Students must declare a major no later than the second semester of study.

### Major Courses

ACCT1210	Financial Accounting	3
BUS1001	Introduction to Business and Management	3
FIT1040	Spreadsheet Design for Business Solutions	3
MGMT2020	Organizational Dynamics	3
MRKT1001	Marketing Foundations	3

### Related Professional Studies

FYS1020	First-Year Seminar	1
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### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Mathematics		3
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
Science		3
One course from BIO, CHM, PHY or SCI		
Total Credits		31.0

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

# Business Studies - B.S.

The Business Studies bachelor's degree program offers a general business education to individuals already holding an associate degree or equivalent in any field. Earning the bachelor's degree will generally require two additional years of study.

The program's curriculum builds on the College of Business core courses to establish a broad overview of traditional business areas including management, accounting, marketing and operations. Students also take courses through the College of Arts & Sciences to help ensure they acquire skills important for professional success and lifelong personal and intellectual growth.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision support tools to resolve contemporary business issues using ethical business practices.

The general business competencies and skills gained through this program are designed to complement the candidate's associate degree education.

## Business Studies

A four-year program leading to the bachelor of science degree for graduates of two-year associate degree programs or equivalent

First two years: 60-63

Associate degree or equivalent. Students must meet program's general education requirements listed below.

OR

in Baking & Pastry Arts

OR

in Culinary Arts

Third and fourth years:

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
CAR0010	Career Management	1
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
Choose one of the following:		3
MGMT3030	Managerial Technology	
MGMT3040	Process and Quality Management	

### A&S Core Experience

Integrative Learning		3
One ILS course at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		3
MATH2001	Statistics I	
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		3
ECON1001	Macroeconomics	
<b>Total Credits</b>		<b>61.0</b>
<b>Four-Year Credit Total</b>		<b>121.0-124.0</b>

### \*\* General Education Requirements

All students are required to complete a science course i.e. PHY, BIO, CHM, SCI and MATH1002 A Survey of College Mathematics (or higher, based on student's placement) or its equivalent.

For students without an awarded Associate in Science degree from a regionally accredited institution, the following courses are required in order to meet minimum accreditation standards.

Transcripts for these students will be evaluated to determine transfer credit eligibility for the following courses:

ENG1020	Rhetoric & Composition I	3
ENG1021	Rhetoric & Composition II	3
ENG1030	Communication Skills	3
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	3
Science	One course from BIO, CHM, PHY or SCI	3
A&S Electives	Two courses with an EASC attribute	6

\*\* Students must complete 14 courses (at least 42 credits) of general studies within the BS degree.

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# Cannabis Entrepreneurship - B.S.

The Cannabis Entrepreneurship bachelor's degree program allows students the opportunity to study the burgeoning business of legal cannabis trade. Through the program's course of study, students are prepared to start their own business as well as work for small startup companies or established businesses, with a focus on the cannabis trade. Students learn about the industry from cultivation to end-user services and marketing segmentation.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Develop a viable business plan for entrepreneurial cannabis operations.
- Use critical thinking to address issues faced by entrepreneurs engaged in the cannabis industry.
- Apply ethical business practices as they apply to entrepreneurial cannabis operations.

## Cannabis Entrepreneurship

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3

### Major Courses

BIO2510	Plant Cultivation I: Soil, Soil Substitutes, and Disease Management	3
BIO2516	Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory	1
BIO3510	Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction	3
BIO3516	Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction Laboratory	1
BIO4510	Applications of Plants & Fungi	3
BIO4516	Applications of Plants & Fungi Laboratory	1
CHM1000	Foundations in Chemistry	3
CHM1006	Foundations in Chemistry Laboratory	1
ENTR2005	Introduction to Cannabis Entrepreneurship	3
ENTR2030	Pitching & Planning New Ventures	3
ENTR3025	Growth and Sustainability for Small Business	3
or ENTR3030	Marketing for Entrepreneurs	
ENTR3120	Small Business Management — Cannabis Operations	3
ENTR4055	Entrepreneurship Seminar	3
LAW3610	Cannabis Law	3

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		4
BIO1022	General Biology - Organismal	

BIO1026	General Biology Laboratory - Organismal	
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
PSYC1001	Introductory Psychology	
<b>Free Electives #</b>		
9 credits selected from 1000-4999 numbered offerings within the university		9
Total Credits		124.0

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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# Entrepreneurship - B.S.B.A.

The Entrepreneurship Bachelor of Science in Business Administration (BSBA) degree program allows students the opportunity to study the management of small businesses, start-ups and intrapreneurship. Through the program's course of study, students are prepared to start their own business as well as work for small businesses and start-up companies. Students also learn about intrapreneurship and how to lead change within organizations.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Identify the types of capital funding sources for start-up and existing businesses.
- Develop a viable business plan.

## Entrepreneurship

A four-year program leading to the bachelor of science in business administration degree

Business Foundations		
ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
Major Courses		
ENTR2001	Introduction to Entrepreneurship	3
ENTR2030	Pitching & Planning New Ventures	3
ENTR3030	Marketing for Entrepreneurs	3
ENTR4010	Change and Innovation Management	3
ENTR4055	Entrepreneurship Seminar	3
Major Electives		
Choose one of the following:		3
ENTR3015	Small Business Management	
ENTR3025	Growth and Sustainability for Small Business	
ENTR3060	Financing New Ventures	
Applied/Experiential Learning		
Choose 9 credits from the following:		9
BUS4799	College of Business Internship <sup>lc</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
Related Professional Studies		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
A&S Core Experience		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		

A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
Free Electives #		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

<sup>lc</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Fashion Merchandising & Retailing - B.S.

The Fashion Merchandising & Retailing bachelor's degree program prepares students for fashion and retail careers in areas such as retail sales management, fashion showroom management, executive store management, merchandise buying, visual merchandising, fashion marketing, fashion forecasting, fashion blogging, fashion promotion, and textile development.

Upon completion of the program, graduates are expected to:

- Apply the major concepts and skills related to the global fashion industry.
- Communicate effectively for diverse audiences, purposes and situations through a variety of professional methods as required in fashion and retailing industries.
- Use industry resources to address contemporary issues in global fashion.
- Apply profitability and analytical competencies necessary for careers in fashion merchandising and retailing.
- Develop targeted forecasts of the production and acquisition of consumer goods consistent with ethical business practices.

Students may increase their skills learned in this degree program by utilizing such opportunities as directed experiential education, internships, or study abroad programs. These programs are tailored based on the student's learning, interests and professional goals. Students are encouraged to network with industry professionals and explore career opportunities during industry site visits.

The Fashion Merchandising & Retailing degree program at the Providence and Charlotte campuses offers two specializations: Merchandise Buying and Fashion Marketing & Visual Merchandising.

The Merchandise Buying specialization (15 credits) is geared towards students interested in the strategic analytical side of the fashion business. It is designed to align with industry standards and complements the student's degree by developing expertise in the areas of merchandise allocation, buying, analysis and/or product development.

Upon completion of the Merchandise Buying specialization (offered at the Providence and Charlotte campuses), students are expected to:

- Apply merchandising competencies necessary for careers in product allocation and retail buying.

The Fashion Marketing & Visual Merchandising specialization (15 Credits) is designed for students considering a career in the creative side of merchandising. The specialization complements the student's degree by developing expertise in the areas of public relations, visual merchandising, fashion promotion, social media marketing, and brand communications.

Upon completion of the Fashion Marketing & Visual Merchandising specialization (offered at the Providence and Charlotte campuses), students are expected to:

- Apply visual design competencies required for creative careers in visual merchandising and fashion marketing.

## Fashion Merchandising & Retailing

A four-year program leading to the bachelor of science degree

Business Foundations		
ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
Major Courses		
RTL1015	Introduction to Retail and Fashion	3
RTL2008	The Textiles Industry	3
RTL2122	Retail and Fashion Lab	4
RTL3065	Forecasting	3
RTL3240	Retail Math	3

RTL4050	Strategic Planning in the Fashion Industry	3
Applied/Experiential Learning		
Choose 9 credits from the following:		
BUS4799	College of Business Internship <sup>1c</sup>	9
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
Related Professional Studies		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
A&S Core Experience		
Communications Foundation Courses		
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		
PHIL3240	Ethics: A Global Perspective	6
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	6
MATH2001	Statistics I	
Science		
One course from BIO, CHM, PHY or SCI		
Social Sciences		
ECON1002	Microeconomics	6
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		
ECON1001	Macroeconomics	6
ENG3150	Introduction to Fashion Writing	
Free Electives <sup>#</sup>		
15 credits selected from 1000-4999 numbered offerings within the university		
Total Credits		123.0

Specialization in Merchandise Buying		15
MRKT1002	Consumer Behavior	
RTL2010	Apparel Quality Analysis	
RTL3010	Merchandise Buying	
Choose two of the following:		
DMSM2050	Spreadsheets for Data Analysis	
MRKT3020	Product Development	
RTL2005	Global Sourcing	
RTL3212	Sustainability in the Fashion Industry	
Specialization in Fashion Marketing & Visual Merchandising		15
ADVC1010	Marketing Communications	
MRKT3045	Social Media Marketing	
RTL3350	Visual Merchandising	
Choose two of the following:		
ADVC2025	Advanced Brand Communications	
GDES3050	Basics of Print Design	
MRKT3020	Product Development	
RTL2050	Fashion Promotion	
RTL3055	History of Fashion	
RTL3075	Textile Design for Apparel and Home Furnishings	

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Finance - B.S.

The Finance bachelor's degree program prepares students for the wide range of career opportunities available to finance professionals. Students in the program receive a solid foundation in financial statement interpretation and decision making, as well as in the areas of business, communications and general studies.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the finance profession.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods required in the field of finance.
- Use decision-support tools to solve problems and facilitate organizational processes.
- Identify and analyze ethical issues related to financial decisions and recommend ethical responses and solutions.
- Utilizing critical thinking and decision-making skills, apply common finance theories and concepts to changing global financial issues.

The finance curriculum is designed to meet the needs of some of the most prestigious industry certifications. As finance majors, students gain exposure to a broad range of financial practices with studies focusing on areas leading to positions in investment analysis, corporate finance, risk management and financial planning.

Students who maintain at least a 2.00 grade point average can apply for on-campus and off-campus finance internships to gain experiential education by completing a work experience in their area of interest. These students typically gain experience in such areas as banking, financial planning, financial analysis, and portfolio management. Additional options are also available for foreign travel through the study abroad program.

## Finance

A four-year program leading to the bachelor of science degree

Business Foundations		
ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
Major Courses		
ACCT2210	Intermediate Accounting Theory and Practice I	3
FISV2140	Financial Markets and Institutions	3
FISV3001	Investments	3
FISV3005	International Finance	3
FISV3199	Experiential Education Projects in Financial Modeling and Valuation	3
FISV4025	Corporate Finance	3
FISV4080	Finance Seminar	3
Applied/Experiential Learning		
Choose 6 credits from the following:		6
BUS4799	College of Business Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
Related Professional Studies		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
A&S Core Experience		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		

Mathematics		6
MATH1035	Quantitative Analysis I (or higher, based on student's placement) <sup>*</sup>	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
Free Electives <sup>#</sup>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

\* Students that do not place in MATH1035 Quantitative Analysis I, will need to take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this will count as an A&S elective.

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Finance - MINOR

Since finance is an essential part of every successful business enterprise, a high-impact, experiential-based Finance minor gives students significant business experience from their first day of classes. Our finance courses are intentionally designed to help students develop essential analytical and critical thinking skills while building their knowledge about finance. The demand for job candidates with strong analytical skills and finance knowledge is increasing worldwide. Students who declare this minor are more marketable upon graduation and set themselves apart from other job applicants.

### Finance

#### Minor

ACCT2210	Intermediate Accounting Theory and Practice I *	3
FISV2000	Finance *	3
FISV3001	Investments	3
FISV3080	Financial Statement Analysis	3
Choose one of the following: *		3
FISV3005	International Finance	
FISV3199	Experiential Education Projects in Financial Modeling and Valuation	
FISV4020	Risk Management and Insurance	
FISV4025	Corporate Finance	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Healthcare Administration - B.S.

The Healthcare Administration bachelor's degree program prepares graduates for entry-level careers in hospital and nursing home administration, quality improvement, health marketing and communication, health program management, health consulting, and health policy at both the state and federal levels. This program is a joint degree between the College of Health & Wellness and the College of Business. Students in this program focus on data-driven solutions in healthcare administration. The program also prepares students who are interested in entry into graduate programs such as health policy and management, public health, and other areas of business.

Students in this program engage in a systems thinking approach and engage in coursework that focuses on the innovation of policy, financing, and delivery in healthcare systems by utilizing courses focused on data analytics. The curriculum has a strong foundation in public health principles along with additional coursework in economics, accounting, and research methods. This B.S. degree program in Healthcare Administration exposes students to coursework across all colleges at the university, providing for a comprehensive skillset that can be implemented when working to improve healthcare for the population.

Upon completion of the program, graduates are expected to:

- Describe the legal and ethical principles of healthcare organizations that apply to individual patient and community healthcare needs.
- Evaluate the major components of healthcare system financing and delivery of the U.S. Healthcare System.
- Analyze quantitative and qualitative data to develop policy and implement effective healthcare decision-making.
- Integrate cultural competency and sensitivity in the organization and delivery of healthcare services.

## Healthcare Administration

A four-year program leading to the bachelor of science degree

### Major Courses

HSC1010	Introduction to Health Professions	1
HSC1230	Introduction to Public Health	3
HSC2310	Introduction to Healthcare in the United States	3
HSC2330	Healthcare Organizational Theory and Management	3
HSC2400	Research Methods for Health Science	3
HSC3300	Comparative Healthcare Systems	3
HSC3410	Quality Improvement in Healthcare Organizations	3
HSC3430	Healthcare Research Ethics	3
HSC4100	Health Policy, Ethics and the Law	3
HSC4310	Innovations in Healthcare Finance and Delivery Systems	3
HSC4900	Data and Evidence in Health: Research Capstone	3

### Applied/Experiential Learning

Choose 6 credits from the following:		6
CHW4799	College of Health & Wellness Internship <sup>IC</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		

### Related Professional Studies

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
CAR0010	Career Management	1
DMSM2025	Introduction to Data Visualization	3
DMSM2050	Spreadsheets for Data Analysis	3
ECON1001	Macroeconomics	3
ECON1002	Microeconomics	3
ECON3030	Managerial Economics	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
MRKT1001	Marketing Foundations	3

### A&S Core Experience

Communication Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts & Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		

Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2010	Introduction to Biostatistics	
Science		3
SCI1050	Nutrition	
Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives #</b>		
12 credits selected from 1000-4999 numbered offerings within the university		12
Total Credits		122.0

<sup>IC</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?



# Human Resource Management - B.S.B.A.

The Human Resource Management Bachelor of Science in Business Administration (BSBA) degree program prepares students for careers in a variety of managerial and professional positions within the human resource profession. Graduates are prepared for entry- and mid-level positions and advanced coursework in human resource management or business administration.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Differentiate the functional areas of Human Resource Management at both the strategic and operational level.
- Develop sound Human Resource Management theory addressing diversity management, ethical management and the impact of global forces.

The program was designed with industry-relevant guidelines as determined by both the Society for Human Resource Management (SHRM) and the Human Resource Certification Institute (HRCI).

## Human Resource Management

A four-year program leading to a bachelor of science in business administration degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3

### Major Courses

MGMT3005	Workforce Planning and Deployment	3
MGMT3015	Labor Relations	3
MGMT3050	Compensation, Benefits and Total Rewards	3
MGMT3060	Training and Development	3
MGMT4140	Human Resource Management Seminar	3
RMGT2001	Enterprise Risk Management	3
or MGMT3030	Managerial Technology	

### Applied/Experiential Learning

Choose 9 credits from the following:		9
BUS4799	College of Business Internship <sup>lc</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		

Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives<sup>#</sup></b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

<sup>lc</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup>In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Human Resource Management - MINOR

Students may declare a minor in Human Resource Management. Courses prepare students for careers within the field and align with industry standards. A minor in Human Resource Management complements many of the current degree offerings and provides expanded career opportunities. Some examples of degrees which could benefit from a minor in Human Resource Management are Enterprise Risk Management, International Business and Management.

## Human Resource Management

### Minor

MGMT2001	Human Resource Management	3
Choose four of the following: *		12
MGMT3005	Workforce Planning and Deployment	
MGMT3015	Labor Relations	
MGMT3050	Compensation, Benefits and Total Rewards	
MGMT3060	Training and Development	
MGMT4140	Human Resource Management Seminar	
RMGT2001	Enterprise Risk Management	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Human Resource Management - M.S.

The Human Resource Management Master of Science degree program prepares students for careers in a variety of managerial and professional positions for a wide range of human resource firms. This program provides graduates with a broad base of knowledge to meet the ever-shifting role of human resource departments as they transition from a singular focus on the administrative functions of an operation's workforce to employee development, business leadership and strategic planning. The Human Resource Management MS directly aligns with industry-relevant guidelines as determined by both the Society for Human Resource Management (SHRM) and the Human Resource Certification Institute (HRCI). See [www.hrci.org/our-programs/our-certifications](http://www.hrci.org/our-programs/our-certifications) for information pertaining to PHR and SPHR certification requirements.

Upon completion of the program, graduates are expected to:

- Apply the models and theories of Human Resource Management at both the strategic and operational levels to improve overall organizational competitiveness.
- Synthesize business competencies to align the human resource functions to support the organization competitiveness and strategic initiatives.
- Develop strategies for an internal environment of diversity and inclusion that recognizes the global environment in which the organization operates.
- Apply professional standards and practices for ethical conduct, legal requirements, and regulatory guidelines in the administration of human resource policies and procedures.

In addition, as part of the program, students will extend their expertise in the following concepts: human resource development and succession planning; strategic compensation and benefits; strategic recruitment, selection and planning; change management; organizational behavior and strategic human resource management.

## Human Resource Management

Master of Science

### Core Courses

HRM5010	Human Resource Management	3
HRM5020	Labor and Employee Relations	3
HRM5030	Strategic Compensation and Benefits	3
HRM5040	Organizational Training and Development	3
HRM5050	Strategic Recruiting, Retention and Succession	3
HRM5060	Human Resources in a Global Environment	3
HRM6010	Advanced Organizational Behavior	3
HRM6020	Human Resource Metrics and Statistical Research	3
HRM6030	Organizational Change Management	3
HRM6800	Human Resource Management Capstone	3

Total Credits 30.0

# International Business - B.S.B.A.

The International Business Bachelor of Science in Business Administration (BSBA) degree program allows students to develop a thorough understanding of the multifaceted global business environment.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Demonstrate the value of cultural awareness, cultural sensitivity and diversity in a global business environment through context appropriate communication and decision-making.
- Synthesize the global dynamics of the social, political, cultural and legal environments to make appropriate strategic recommendations.

Courses provide a distinct emphasis on global aspects as students are challenged to demonstrate business skills desired by employers. Students have the opportunity to participate in internships, study abroad experiences and language immersion programs. Students should plan their electives to create a meaningful, customized career path; these selections are facilitated by the university's faculty advising system.

International Business graduates are prepared for entry-level management positions with firms in a variety of industries operating in the global environment.

## International Business

A four-year program leading to the bachelor of science in business administration degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3

### Major Courses

IBUS2002	International Business	3
IBUS3040	International Culture and Protocol	3
IBUS4055	International Resource Management	3

### Major Electives

Choose 9 credits of the following:		9
FREN2020	French Language Immersion	
SPAN2020	Spanish Language Immersion	
IBUS2031	Global Studies: China	
IBUS2032	Global Studies: Pacific Rim	
IBUS2033	Global Studies: Latin America & the Caribbean	
IBUS2034	Global Studies: Russia & Eastern Europe	
IBUS2036	Global Studies: Africa & the Middle East	

### Applied/Experiential Learning

Choose 9 credits from the following:		9
BUS4799	College of Business Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6

PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup>Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Management - B.S.B.A.

The Management Bachelor of Science in Business Administration (BSBA) degree program prepares students for careers in a variety of managerial and professional positions at a wide range of firms. Students learn general management concepts and have the opportunity to select a specialty area, as available on their campus.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Apply strategies to effectively manage teams.

As part of the program, students are offered the opportunity to develop expertise in the following concepts: business planning, SWOT analysis and strategic planning, business process analysis, development of human capital, financial literacy, information technology, and operations and supply chain management.

Students may apply these skills in internships and study abroad programs. These programs are tailored based on student learning and professional goals, jointly designed in collaboration with students, faculty advisors and business partners. Students also meet with faculty advisers to determine a specialty area and career focus that best suits their desired professional objectives.

Graduates are prepared for professional management positions in disciplines such as operations, human resources, finance and information technology. Graduates may also pursue entrepreneurial paths or careers in for-profit, nonprofit and government settings.

## Management

A four-year program leading to the bachelor of science in business administration degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3

### Major Courses

LEAD1010	Foundations of Leadership Studies	3
MGMT3030	Managerial Technology	3
MGMT3040	Process and Quality Management	3
RMGT2001	Enterprise Risk Management	3

### Major Electives

Choose one course 2000 level or higher from the following disciplines: ENTR, MGMT, RMGT\* 3

Choose one of the following: \*\* 3

IBUS4055	International Resource Management	
MGMT3035	Operations and Supply Chain Management II ***	
MGMT3050	Compensation, Benefits and Total Rewards	
MGMT3060	Training and Development	
MGMT4050	Contemporary Issues in Operations and Supply Chain Management Strategy	
MGMT4140	Human Resource Management Seminar	
RMGT4010	Risk Analysis and Loss Prevention *	
Applied/Experiential Learning	Choose 3 credits from BUS4799, DEE3999, Study Abroad	

### Applied/Experiential Learning

Choose 9 credits from the following: 9

BUS4799	College of Business Internship <sup>lc</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses 9		
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning 6		
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities 6		
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics 6		
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science 3		
One course from BIO, CHM, PHY or SCI		
Social Sciences 6		
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives 6		
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university 15		
Total Credits 122.0		

\* 3000 and 4000 level RMGT courses are only offered online.

\*\* Students are responsible for meeting prerequisites.

\*\*\* MGMT3035 Operations and Supply Chain Management II may only be offered online.

<sup>lc</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Marketing - B.S.

The Marketing bachelor's degree program prepares students for careers in a variety of managerial and professional positions in the marketing industry. Students learn general marketing concepts and various functional specialties in fields such as digital marketing, research and creative strategy. As part of the program, students are offered the opportunity to develop expertise in consumer behavior, marketing analysis, strategic marketing, marketing communications, brand marketing and design, professional selling, international marketing, and marketing technologies such as data-driven marketing, digital media planning and search engine marketing.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of marketing in business situations.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods required in the marketing industry.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Analyze research and use critical thinking to identify and recommend appropriate solutions for client/brand marketing challenges.
- Develop branding and marketing strategies that are ethically sound and align with business objectives for local, national and global brands.

Students may apply these skills in programs such as directed experiential education, internships, and summer work or study abroad programs. These programs are tailored based on student learning and interests, and professional goals, designed jointly in collaboration with students, faculty advisers and business partners. Students also meet with faculty advisers to determine a career focus that best suits their desired professional objectives.

The Marketing program in Providence offers two specializations (15 credits) that enhance and strengthen the qualifications of graduates interested in Digital Marketing and Analytics and Creative Advertising. These specializations are intended to give students opportunities to develop expertise in a functional area that complements their major. Real-world applications are embedded in both specializations.

The Digital Marketing and Analytics specialization affords students who are either Marketing or Advertising & Marketing Communications majors the opportunity to gain additional knowledge and skills in the expanding digital marketing and research analytics industry. Students can pursue careers in digital media planning, digital analytics, database management, research management, search engine marketing and content marketing.

Upon completion of the Digital Marketing and Analytics specialization (offered at the Providence campus), students are expected to:

- Develop online optimization strategies for paid and organic search marketing using analytics and digital platforms.

The Creative Advertising specialization is suitable for students who are interested in careers in art direction and copywriting, branded content production, digital display, brand design and development, blogging and content management.

Upon completion of the Creative Advertising specialization (offered at the Providence campus), students are expected to:

- Write, design and produce creative advertising and branded content in both digital and traditional media.

## Marketing

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3

MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
<b>Major Courses</b>		
MRKT1002	Consumer Behavior	3
MRKT2050	Marketing Research	3
MRKT3033	Product & Brand Management	3
MRKT3045	Social Media Marketing	3
MRKT3050	Contemporary Sales in the Global Economy	3
MRKT4055	Global Strategic Marketing	3
<b>Applied/Experiential Learning</b>		
Choose 9 credits from the following:		9
BUS4799	College of Business Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0
<b>Specialization in Creative Advertising</b>		<b>15</b>
ADVC2002	Copywriting and Art Direction	
ADVC3003	Advertising Campaigns	
or MRKT3045	Social Media Marketing	
ADVC4020	Portfolio Seminar	
Choose 6 credits of the following:		
ADVC3050	Special Projects in Integrated Marketing Communications	
ADVC4120	Marketing Communications in an International Context	
BUS4799	College of Business Internship	
GDES1030	Vector-Based Design	
MRKT3150	Special Topics in Marketing	
<b>Specialization in Digital Marketing and Analytics</b>		<b>15</b>
ADVC3010	Digital Media Planning	
or MRKT3045	Social Media Marketing	
ADVC4050	Search Engine Marketing	
MRKT3085	Marketing Analytics	
Choose 6 credits of the following:		
ADVC3050	Special Projects in Integrated Marketing Communications	
or MRKT3150	Special Topics in Marketing	
ADVC4120	Marketing Communications in an International Context	
BUS4799	College of Business Internship	
MRKT3011	Data-Driven Marketing	
MRKT3055	Survey Research	

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.



<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Marketing - MINOR

The Marketing Minor provides students with an understanding of how successful organizations create and communicate value throughout the customer experience. A minor in Marketing complements many of the current degree offerings and provides expanded career opportunities.

Some examples of degrees which could benefit from a minor in Marketing include Data Analytics, Food & Beverage Entrepreneurship, Graphic Design, Hospitality Management, and Media & Communication Studies.

As part of the program, students select courses to emphasize their experience in digital marketing or creative advertising.

### Marketing

#### Minor

MRKT1001	Marketing Foundations	3
MRKT2050	Marketing Research	3
MRKT3045	Social Media Marketing	3
Choose two of the following: *		6
ADVC1010	Marketing Communications	
ADVC2001	Creative Concepts and Strategy	
MRKT3011	Data-Driven Marketing	
MRKT3085	Marketing Analytics	
<b>Total Credits</b>		<b>15.0</b>

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# MBA

The Master of Business Administration degree program developed and updated in collaboration with students and successful industry leaders, enables a diverse student body to advance in their professional careers by attaining business competencies as well as leadership, strategic and creative thinking skills in the ever-changing global business environment.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.

Graduates learn to ethically solve problems that occur in the global business environment in culturally sensitive ways.

## Master of Business Administration - General Program

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
IBUS5511	Global Economic Environments	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Elective Courses \*

Choose College of Business courses at the 5000 or higher level to fulfill the 9 credit elective requirement. Courses taken as foundation courses do not apply.	9
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### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits	36.0-42.0
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\* Students may choose up to 6 credits of 5000-level or higher study abroad to satisfy elective courses.

# MBA - Accounting Concentration

The Master of Business Administration degree program with a concentration in Accounting provides the opportunity for advanced study in management and accounting. Successful completion of this program prepares individuals to pursue high-level careers in accounting and/or management positions both in private industry and in public accounting firms. Building on students' preexisting foundation in accounting, this advanced program enables students to develop theoretical knowledge while learning how advanced accounting principles and techniques are applied in practice. Research techniques that successful practitioners use are also covered in this program.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Use applicable ethical and statutory regulations to make sound financial decisions based on current accounting standards.

Graduates learn executive business competencies, professional leadership, and strategic and creative thinking skills that help them ethically solve problems that occur in the global business environment in culturally sensitive ways.

This program is designed to meet the 150 hours of advanced study requirement that candidates must satisfy to take the Uniform CPA Examination.

Prerequisite and foundation courses should be completed prior to registering for core and concentration classes.

## Master of Business Administration - Accounting Concentration

### Master of Business Administration

#### Prerequisite Courses \*, \*\*

ACCT2210	Intermediate Accounting Theory and Practice I **	3
ACCT2220	Intermediate Accounting Theory and Practice II	3
ACCT3011	Federal Taxes I	3
ACCT3050	Advanced Accounting	3
ACCT4040	Auditing	3
LAW2001	The Legal Environment of Business I	3

#### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

#### Core Courses

IBUS5511	Global Economic Environments	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

#### Accounting Courses \*\*\*

ACCT6001	Accounting Theory	3
ACCT6003	Advanced Auditing	3
ACCT6020	Individual Taxation	3
ACCT6021	Corporate Taxation	3
LAW6000	Law for Accountants	3

#### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits	36.0-60.0
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\* Courses offered through the undergraduate College of Business and the College of Arts & Sciences.

\*\* Prerequisite courses must be completed prior to or concurrently with foundation courses. The exception is prior to enrolling in ACCT2210 Intermediate Accounting Theory and Practice I, when students must have completed FISV5000 Corporate Financial Accounting or ACCT1210 Financial Accounting.

\*\*\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Event Leadership Concentration

The Master of Business Administration degree program with a concentration in Event Leadership provides the graduate student the opportunity to gain knowledge and information that enables the effective organization and management of events in the corporate, public and private sectors. Both global and domestic live events will be examined, and students learn to synthesize theory and apply industry-specific skills and leadership techniques. This degree encompasses the management demands of events, a dynamic facet of numerous industries. Topics include event leadership, research, design, planning, coordination, execution, site selection, venue management, multipurpose event spaces, sales, negotiations, sustainability, marketing and budgeting. Students gain a sound understanding of how to strategically and effectively design, plan and execute live events in the corporate, private and public sectors in multiple geographic areas. Graduates of the MBA degree with a concentration in Event Leadership may strive to seek leadership positions within the dynamic and global events industry.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Advance organizational objectives and support strategic initiatives through the development and production of events.

## Master of Business Administration — Event Leadership Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Event Leadership Courses \*

SEE6000	Event Leadership and Planning	3
SEE6020	Event Operations & Risk Management	3
SEE6040	Sustainable Event Management	3
SEE6060	Negotiations for Event Management	3

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Finance Concentration

The Master of Business Administration degree program with a concentration in Finance takes the graduate student to the next level of strategy and analysis. The program's specialized curriculum allows students to focus their advanced degree studies to best position themselves for success in the evolving corporate environment. Developed and updated in collaboration with students and successful industry leaders, the MBA degree program with a concentration in Finance provides our diverse student body with the expertise to advance in their professional careers by attaining business competencies as well as leadership, strategic and creative-thinking skills in the ever-changing global business environment.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Apply knowledge of financial theories and practices to solve organizational and consumer economic challenges.

## Master of Business Administration — Finance Concentration

### Master of Business Administration

#### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

#### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

#### Finance Courses \*

FISV6050	Strategic Financial Planning	3
Choose three of the following:		9
FISV5410	Personal Financial Planning	
FISV5420	Estate Planning	
FISV5430	Principles of Risk and Insurance	
FISV5440	Retirement Planning	
FISV6056	Fundamentals of Investment and Portfolio Management	
FISV6410	Equity Analysis	
FISV6420	Bond Market Analysis	
FISV6430	Applied Behavioral Finance	
FISV6450	Derivatives and Risk Management	
FISV6490	Institutional Portfolio Management	

#### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits		36.0-42.0
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\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.



# MBA- Global Fashion Merchandising & Management Concentration

The Master of Business Administration degree program with a concentration in Global Fashion Merchandising and Management allows students to acquire the skills and experiences needed to fulfill executive-level positions within the global fashion industry. As the fashion industry expands globally, there is a need for highly educated and trained leaders. This advanced program enables student to research and apply theoretical knowledge and to utilize best practices in relation to contemporary issues in the field.

This concentration is intended to enhance the foundation in business administration delivered through the core courses of Johnson and Wales University's MBA program. Students learn and apply diverse perspectives of the global fashion and merchandising industries in such disciplines as sustainability, merchandising management and consumer behavior. Additional emphasis is placed on analyzing the impact of ethical and moral decision-making in terms of issues involved in the production, manufacture, distribution, marketing and retailing of textiles and materials, apparel, accessories and home goods.

This program combines advanced analytical business skills and specific knowledge of the global fashion industry, distinguishing it from master's-level fashion degrees that have little emphasis on skills necessary to manage and expand global fashion organizations.

Foundation courses should be completed prior to registering for core and concentration courses.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Develop innovative and strategic solutions to resolve challenges in the global fashion and merchandising industries.

## Master of Business Administration — Global Fashion Merchandising and Management Concentration

### Master of Business Administration

Foundation Courses		
ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3
Core Courses		
FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
IBUS5511	Global Economic Environments	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3
Global Fashion Merchandising and Management Courses *		
RTL6010	Concepts and Theories in Fashion and Merchandising	3
RTL6030	Ethics in the Fashion Industry	3
RTL6040	Sustainability in the Apparel and Retail Industry	3
RTL6050	Merchandising Management in the 21st Century	3
Career Capstone Course		
MGMT6800	Business Policy and Strategy	3
Total Credits		36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Hospitality Concentration

Johnson & Wales University is among the largest educators of hospitality professionals in North America. Economists recognize the global hospitality industry as the largest industry in the world and one of the fastest growing fields for future employment. Through the Master of Business Administration degree program with concentration in Hospitality, students acquire the skills and experiences needed to provide exemplary leadership for hospitality-related organizations throughout the world, including Marriott and Compass Group.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision-making in domestic and global organizations.
- Examine and analyze social, multicultural and environmental issues and their impacts upon managerial practices in the global hospitality industry.

Graduates learn executive business competencies, professional leadership, and strategic and creative thinking skills that help them ethically solve problems occurring in the global business environment in culturally sensitive ways.

Graduates in the MBA with a concentration in Hospitality may seek higher-level positions within global organizations that require MBA core curricular skills, as well as strategic planning and management expertise. In the highly competitive hospitality and tourism industry, professionals within the industry are needed to conduct high-level research, develop effective strategies, enhance revenues from strategic channels, and evaluate marketing outcomes. The MBA with a concentration in Hospitality provides the advanced training and knowledge needed to secure employment positions in these growing areas.

Foundation courses should be completed prior to registering for core and concentration courses.

## Master of Business Administration - Hospitality Concentration

### Master of Business Administration

#### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

#### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

#### Hospitality Courses\*

HOSP6509	Hospitality and Tourism Global Issues	3
Choose three of the following:		
HOSP6030	Franchising and Licensing	3
HOSP6080	Experience, Adventure and Education Tourism	3
HOSP6526	Information Technology in Hospitality and Tourism	3
SEE6000	Event Leadership and Planning	3
SEE6020	Event Operations & Risk Management	3

#### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits		36.0-42.0
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\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Human Resource Management Concentration

The Master of Business Administration degree program with a concentration in Human Resource Management delves into the realms of retention, organizational behavior and other aspects of human capital. The program's specialized curriculum allows students to focus their advanced degree studies to best position themselves for success in the changing landscape of human resources. Developed and updated in collaboration with students and successful industry leaders, the MBA degree program with a concentration in Human Resource Management provides our diverse student body with the expertise needed to advance in their professional careers by attaining business competencies as well as leadership, strategic and creative-thinking skills in the ever-changing global business environment.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Apply professional standards and practices for ethical conduct, legal requirements and regulatory guidelines in the administration of human resource policies and procedures.

## Master of Business Administration — Human Resource Management Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Human Resource Management Courses \*

HRM5010	Human Resource Management	3
HRM5020	Labor and Employee Relations	3
HRM5050	Strategic Recruiting, Retention and Succession	3
Choose one of the following:		3
HRM5030	Strategic Compensation and Benefits	
HRM5040	Organizational Training and Development	

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits		36.0-42.0
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\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Information Security/Assurance Concentration

The Master of Business Administration degree program with a concentration in Information Security/Assurance allows graduate students the opportunity to delve deeper into the realms of business continuity, incident response, cyber science and other aspects of information technology business operations. No company is without an information technology/information security function and the language of business requires a grasp of the information security landscape. Graduates of this program are able to translate business and functional dynamics necessary in today's environment. The program was developed and updated in collaboration with students and successful industry leaders, enabling graduates to advance in their professional careers by attaining business competencies as well as leadership, strategic and creative thinking skills in the ever-changing global business environment.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Integrate information security solutions through the alignment of appropriate security methodologies to different security situations.

## Master of Business Administration — Information Security/Assurance Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3
ISA5005	Network Fundamentals*	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Information Security/Assurance Courses\*\*

ISA5020	Foundations of Information Security Management	3
ISA6050	Business Continuity Planning	3
ISA6060	Risk Management and Incident Response	3
ISA6070	Cyber Science and IT Business Operations	3

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits		36,0-45,0
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\* ISA5005 Network Fundamentals is only offered online.

\*\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Information Technology Concentration

The Master of Business Administration degree program with a concentration in Information Technology is designed to assist IT professionals in advancing their careers by providing a solid foundation of graduate-level business courses to complement their IT experience and coursework. A major challenge in today's business environment is how professionally competent practitioners make the transition to managing people and business operations without losing their professional knowledge and expertise.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Apply technological, innovative, and strategic approaches to information management to support business goals and strategy.

Graduates learn executive business competencies, professional leadership, and strategic and creative thinking skills that help them ethically solve problems that occur in the global business environment in culturally sensitive ways.

This program allows IT professionals to develop both their professional skills (concentration courses) and management skills while learning to think strategically in a complex, cost-competitive, knowledge-based environment.

This MBA concentration allows successful graduates to excel at both leading and doing. In this challenging employment environment, IT professionals must not only be competent in their fields, but be known as “can-do” leaders. This combination gives our graduates that clear edge to succeed.

## Master of Business Administration - Information Technology Concentration

### Master of Business Administration

#### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

#### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
IBUS5511	Global Economic Environments	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

#### Information Technology Courses

ITEC6514	Decision Support Systems	3
ITEC6524	Enterprise Data Management	3
ITEC6534	Strategic Management of Information Technology	3
ITEC6544	Current Trends and Issues in Information Technology	3

#### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

# MBA - Marketing Concentration

The Master of Business Administration degree program with a concentration in Marketing provides graduate students with knowledge and information about marketing strategy within the framework of business strategy and its interdependent functional strategies that create and deliver the value proposition. The marketing concentration emphasizes the importance of stakeholders in managing and/or revitalizing brands over time. Students create growth strategies utilizing market penetration and development, product development and diversification approaches. Students create hybrid distribution strategies that leverage partnerships and provide access to target markets utilizing traditional, online and digital channels designed to deliver interactive, omnichannel customer experiences that put customers at the center of all decisions.

Upon completion of this program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, pose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Create marketing and branding strategies within the framework of business strategy, leveraging traditional, digital and social media that influence targeted stakeholders.

## Master of Business Administration — Marketing Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
IBUS5511	Global Economic Environments	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Marketing Courses \*

MRKT6010	Advertising and Promotional Strategies	3
MRKT6035	Brand Management	3
Choose two of the following:		6
MRKT6125	Marketing in the Digital Environment	
MRKT6140	Digital Analytics for Marketing Managers	
MRKT6543	Social Media & Internet Marketing	

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits		36.0-42.0
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\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.



# MBA - Nonprofit Management Concentration

The Master of Business Administration degree program with a concentration in Nonprofit Management allows graduate students to strengthen their abilities to develop, innovate and manage solutions to societal issues. The curriculum leverages the knowledge from the traditional business body of knowledge that an MBA candidate is expected to demonstrate and complements the specifics of community and organizational collaboration. Developed and updated in collaboration with students and successful industry leaders, the MBA degree program with a concentration in Nonprofit Management provides our diverse student body with the expertise needed to advance in their professional careers by attaining business competencies as well as leadership, strategic and creative-thinking skills in the ever-changing global business environment.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Access and evaluate business entities, taking into account cross-functional environments as they affect ethical decision-making in domestic and global organizations.
- Apply appropriate decision-making processes and skills to effectively manage nonprofit organizations.

## Master of Business Administration — Nonprofit Management Concentration

### Master of Business Administration

#### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

#### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

#### Nonprofit Management Courses \*

NPM5010	Theory and Practice of Nonprofit Management	3
NPM5020	Methodological, Decision-Making and Analytic Techniques	3

Choose two of the following: 6

NPM5030	Financial Management and Budgeting in Nonprofit Organizations	
NPM5040	Program Evaluation	
NPM5050	Resource Development for Nonprofits	
NPM5060	Social Entrepreneurship	
NPM6010	Public, Private and Nonprofit Collaboration	
NPM6020	Personnel Deployment in Nonprofits	
NPM6030	Ethics and Social Change	

#### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Operations and Supply Chain Management Concentration

The Master of Business Administration degree program with a concentration in Operations and Supply Chain Management allows graduate students to recommend and command business decisions as they relate to continuous process improvement and strategic management. Emphasis is on quality control, process improvement, procurement and profit maximization. The program is developed and updated in collaboration with students and successful industry leaders, enabling our diverse student body to advance in their professional careers by attaining business competencies as well as leadership, strategic and creative thinking skills in the ever-changing global business environment.

The program allows graduate students to delve deeper into the realms of logistics, operations management, strategic sourcing and other aspects of business operations. Companies are looking to improve processes and streamline services in order to remain competitive in the evolving business landscape. The curriculum is informed by the Lean certification body of knowledge and allows students a pathway to pursue industry-relevant certification.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Analyze business supply chains and make strategic recommendations for maximizing benefits to all stakeholders.

## Master of Business Administration – Operations and Supply Chain Management Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Operations and Supply Chain Management Courses \*

MGMT6310	Designing & Managing Supply Chains	3
MGMT6320	Global Strategic Sourcing	3
MGMT6330	Global Logistics	3
MGMT6340	Lean Production and Quality Control	3

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Organizational Leadership Concentration

The Master of Business Administration degree program with a concentration in Organizational Leadership provides the graduate student the opportunity to hone leadership skills necessary for success in today's complex and ever-changing global business environment. Core courses reinforce the ability to critically analyze and assess organizational challenges, while concentration courses advance the student's level of professional competency and expertise demanded in current leadership thinking and application. This program can add practical value to students' professional growth as they consider career opportunities in the areas of management, administration, sales, marketing, consulting, labor relations and human resources.

Upon completion of this program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Apply contemporary leadership models and theories to support organizational effectiveness in a global environment.

## Master of Business Administration — Organizational Leadership Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Organizational Leadership Courses \*

MGMT6056	Contemporary Leadership Issues and Strategies	3
MGMT6150	Coaching and Consultation Skills	3
Choose two of the following:		6
HOSP6060	Corporate Social Responsibility	
HOSP6120	Organizational Behavior in the Hospitality Industry	
MGMT5850	Women and Leadership in Society	
MGMT6210	Project Management	

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Organizational Psychology Concentration

The Master of Business Administration degree program with a concentration in Organizational Psychology provides the graduate student the opportunity to use relevant business skills to address complex issues that exist within the organizational environment. Core courses reinforce the ability to critically analyze and assess industry challenges, while concentration courses advance the students' level of professional expertise in areas such as motivation, performance and talent development.

Upon completion of this program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Evaluate and integrate relevant academic/professional literature to formulate action plans to improve group and team performance in alignment with organizational competency models.

## Master of Business Administration — Organizational Psychology Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Organizational Psychology Courses \*

MGMT6225	Team Dynamics	3
PSYC5400	Organizational Psychology	3

Choose two of the following:

MGMT5350	Talent Development	
MGMT6150	Coaching and Consultation Skills	
PSYC5450	Attitude and Motivation in the Workplace	

One HRM, LEAD or PSYC course, 5000 level or higher

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA One Year Program

The one-year delivery of the Master of Business Administration degree program is designed to be an intensive program of study which will allow a student to complete all requirements in 12 months beginning in the fall or spring semester.\*

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.

Graduates learn executive business competencies, professional leadership, and strategic and creative thinking skills that will help them ethically solve problems which occur in the global business environment in culturally sensitive ways.

All courses are offered at the Harborside Campus. Each course is completed in an eight-week hybrid model; students meet in class once per week. Admission is offered in the fall and spring semesters. Students with an interest in developing new connections and a desire to complete the program quickly are prime candidates. Students are expected to have completed all foundation courses before the start of classes. Students are given the opportunity to gain important work setting experience through the development of an action research project.\*\*

The one-year program is identical to the traditional program except that all courses are offered in an eight-week hybrid model and students complete four courses per semester, including the summer term.\*\*

\* Online students start in the fall, spring or summer semester.

\*\* Students enrolling in the Online program will take courses in a 100% online environment and are not required to come to campus.

## Master of Business Administration - One Year Program

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
IBUS5511	Global Economic Environments	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Elective Courses \*

Choose College of Business courses at the 5000 or higher level to fulfill the 9 credit elective requirement. Courses taken as foundation courses do not apply.	9
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### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Students may choose up to 6 credits of 5000-level or higher study abroad to satisfy elective courses.

# MBA - Project Management Concentration

The Master of Business Administration with a concentration in Project Management is a 12 course, 36-credit program that provides the essential knowledge and skills to pursue or accelerate careers in business and project management.

With access to relevant content and projects, students are further prepared for a professional career relating to business analysis, project and portfolio management, and design, implementation and management of business operations and processes, both in manufacturing and service organizations.

Upon completion of the program, graduates of this program are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision making in domestic and global organizations.
- Create a comprehensive project plan to ensure desired project deliverables.

## Master of Business Administration — Project Management Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Project Management Courses\*

MGMT6210	Project Management	3
MGMT6225	Team Dynamics	3
MGMT6440	Project Management Simulation I	3
MGMT6450	Project Management Simulation II	3

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits		36,0-42,0
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\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.

# MBA - Sport Leadership Concentration

The Master of Business Administration degree program with a concentration in Sport Leadership provides the graduate student the opportunity to hone leadership skills necessary for success in today's complex and ever-changing global business environment. Core courses reinforce the ability to critically analyze and assess organizational challenges, while concentration courses advance the student's level of professional competency and expertise demanded of today's sports executives. This program can add practical value to students' professional growth as they consider career opportunities in the areas of data and analytics, sales and sponsorship, marketing, new business development, and emerging fields such as esports and digital sports streaming.

Upon completion of the program, graduates are expected to:

- Gather, interpret and analyze research to inform decision-making at operational and strategic levels of an organization.
- Use advanced communication skills and awareness of cultural differences in global and domestic business interactions.
- Analyze problems from a diverse perspective, propose effective solutions and evaluate the impact of executive decisions.
- Assess and evaluate business entities taking into account cross-functional environments as they affect ethical decision-making in domestic and global organizations.
- Connect leadership principles and knowledge of the sport industry operations to advance organizational objectives and support strategic initiatives.

## Master of Business Administration — Sport Leadership Concentration

Master of Business Administration

### Foundation Courses

ECON5000	A Survey of Economic Principles	3
FISV5000	Corporate Financial Accounting	3

### Core Courses

FISV5600	Financial Management	3
FISV5720	Financial Reporting and Control	3
MGMT5575	Operations Management	3
MGMT5800	Effective Leadership	3
MGMT5900	Ethics, Corporate Social Responsibility and Law	3
MRKT5500	Strategic Marketing	3
RSCH5800	Evidence-Based Research in Management	3

### Sport Leadership Courses \*

SPL5100	Sports and Entertainment Venues & Events, Development and Management	3
SPL6030	Global Issues in Sport Leadership	3
SPL6050	Contemporary Leadership Strategies in Sport	3
SPL6070	Effective Communication Strategies in Sport	3

### Career Capstone Course

MGMT6800	Business Policy and Strategy	3
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Total Credits 36.0-42.0

\* Note for Providence campus students: MBA concentration courses may only be available online. Students should consult with their academic counselor/advisor regarding course availability and for planning.



# Operations and Supply Chain Management - B.S.B.A.

The Operations and Supply Chain Management Bachelor of Science in Business Administration (BSBA) degree program prepares students for careers within a variety of fields. Students study business operations and continuity, logistics, process improvement and other critical skills for today's businesses. Students are prepared to assume entry-level and mid-level positions and advanced coursework within operations, supply chain and logistics.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of business administration.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods within business administration.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Apply contemporary models, metrics, and approaches to create sustainable and continuously improving operational processes.
- Evaluate a businesses' supply chain and demonstrate the ability to make recommendations for maximizing its benefits to all stakeholders.

## Operations and Supply Chain Management

A four-year program leading to the bachelor of science in business administration degree

Business Foundations		
ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
BUS3010	Business Analytics	3
BUS4030	Global Strategy Capstone	3
FISV2000	Finance	3
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2001	The Legal Environment of Business I	3
MGMT2001	Human Resource Management	3
MGMT2020	Organizational Dynamics	3
MGMT2030	Operations and Supply Chain Management I	3
MRKT1001	Marketing Foundations	3
Major Courses		
MGMT3035	Operations and Supply Chain Management II	3
MGMT3040	Process and Quality Management	3
MGMT3045	Logistics	3
or MGMT3055	Procurement	
MGMT4050	Contemporary Issues in Operations and Supply Chain Management Strategy	3
RMGT2001	Enterprise Risk Management	3
Applied/Experiential Learning		
Choose 12 credits from the following: 12		
BUS4799	College of Business Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
Related Professional Studies		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
A&S Core Experience		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		

A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
Free Electives #		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Pre-Master's Program - For Business Degree Holders

The Pre-Master's program at Johnson & Wales University is designed for outstanding international students who have completed a three-year bachelor's degree in countries where the three-year bachelor's degree is considered the dominant degree in specific areas of study. The program provides qualified three-year degree holders the opportunity, through a Pre-Master's schedule of undergraduate courses, to equate their education to a four-year U.S. bachelor's degree while fulfilling Pre-Master's program prerequisites. Students successfully completing the Pre-Master's program with a grade point average (GPA) of 3.0 on a scale of 4.0 will enroll directly into their selected graduate business program.

## Pre-Master's Program - For Business Degree Holders

Non-Degree

<b>Business</b>		
BUS3010	Business Analytics	3
<b>Economics</b>		
ECON3070	Contemporary Economic Issues	3
<b>English</b>		
ENG1020	Rhetoric & Composition I	3
ENG1021	Rhetoric & Composition II	3
<b>Law</b>		
LAW3002	The Legal Environment of Business II	3
<b>Humanities</b>		
PHIL3240	Ethics: A Global Perspective	3
One course from ART, HIST, HUM, LIT or REL		
<b>Social Sciences</b>		
LEAD1010	Foundations of Leadership Studies	3
One course from PSCI, PSYC or SOC		
<b>Free Elective</b>		
3 credits selected from 1000-4999 numbered offerings within the university		
Total Credits		30.0

# Pre-Master's Program - For Non-Business Degree Holders

The Pre-Master's program at Johnson & Wales University is designed for outstanding international students who have completed a three-year bachelor's degree in countries where the three-year bachelor's degree is considered the dominant degree in specific areas of study. The program provides qualified three-year degree holders the opportunity, through a Pre-Master's schedule of undergraduate courses, to equate their education to a four-year U.S. bachelor's degree while fulfilling Pre-Masters program prerequisites. Students successfully completing the Pre-Master's program with a grade point average (GPA) of 3.0 on a scale of 4.0 will enroll directly into their selected graduate business program.

## Pre-Master's Program - For Non-Business Degree Holders

### Non-Degree

#### Accounting

ACCT1210	Financial Accounting *	3
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#### Business Administration — Management

BUS1001	Introduction to Business and Management	3
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#### Economics

Choose one of the following:		3
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ECON1002	Microeconomics *	
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Or higher, such as

ECON3070	Contemporary Economic Issues	
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#### English

Choose one of the following:		3
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ENG1020	Rhetoric & Composition I	
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ENG1021	Rhetoric & Composition II	
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#### Finance

FISV2000	Finance	3
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#### Law

LAW2001	The Legal Environment of Business I	3
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#### Marketing

Choose one of the following:		3
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MRKT1001	Marketing Foundations	
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MRKT3005	Brand Marketing	
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#### Mathematics

MATH2001	Statistics I	3
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#### Humanities

PHIL3240	Ethics: A Global Perspective	3
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#### Social Sciences

LEAD1010	Foundations of Leadership Studies	3
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Total Credits		30.0
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\* Fulfills MBA foundation requirements. Denotes specific subject requirements for entry into an MBA/M.S. program. Ten total courses, minimum, must be taken.

# College of Engineering & Design

## Undergraduate

- **Bachelor of Science (B.S.) Degree**
  - Biomedical Engineering (p. 116)
  - Computer Engineering (p. 117)
  - Computer Science (p. 118)
  - Cyber Threat Intelligence & Defense (p. 121)
  - Digital Marketing & Social Media (p. 123)
  - Electronics Engineering (p. 124)
  - Graphic Design (p. 125)
  - Product Design (p. 127)
  - Robotics Engineering (p. 128)
- **Programs for Undecided Students (track into bachelor's degree program)**
  - Undeclared - Intended Engineering Interest (p. 129)

## Graduate

- **Master of Science (MS)**
  - Cybersecurity (p. 120)
  - Data Analytics (p. 122)

# Biomedical Engineering - B.S.

The Biomedical Engineering degree program is an interdisciplinary degree program that combines the knowledge core of engineering disciplines with scientific inquiry to solve problems encountered in living systems. Through coursework in engineering, mathematics and the sciences, students focus on finding solutions to engineering problems. By applying the principles, analytical tools, and problem-solving techniques of engineering, integrated with knowledge of the life sciences, students utilize their skills to design innovative instruments, devices and/or software for a biomedical application. This program is for students who are interested in designing instruments, devices, new procedures and/or software to create diagnostic and therapeutic tools as well as students interested in working in research.

Students who are interested in designing instruments, devices, new procedures and/or software to create diagnostic and therapeutic tools, as well as students interested in working in research, find a wide range of career opportunities when they graduate. Graduates are uniquely prepared to influence and improve human health in a variety of ways, finding opportunities in manufacturing settings, health science companies, hospitals and research entities working in medical equipment design, bioinstrumentation, biomaterials, biomechanics, scientific research, medical imaging and rehabilitation engineering.

Upon completion of the program, graduates are expected to:

- Apply knowledge of mathematics, science, engineering and technology as required by the field of biomedical engineering.
- Use math, science and engineering processes to analyze problems, formulate solutions, conduct experiments and interpret data.
- Communicate engineering and scientific information using oral and written arguments and visual presentation.
- Recognize and evaluate ethical, global and social impacts of biomedical innovation.
- Integrate scientific knowledge, problem-solving skills and engineering tools to design a model for a biomedical engineering application.

## Biomedical Engineering

A four-year program leading to the bachelor of science degree

### Engineering Foundations

ENGN1015	Introduction to Engineering	3
ENGN2001	Digital Logic Design	4
ENGN2009	C Programming for Engineering	4

### Major Courses

BIO1011 & BIO1016	General Biology - Cellular and General Biology Laboratory - Cellular	4
BME3010	Biomaterials	3
BME3020	Biomechanics	3
BME4010	Medical Imaging Modalities	3
BME4020	Interventional Physiology - Medical Device Innovation	3
BME4030	Biomedical Engineering Design	3
ENGN2025	Applied Mechanics I: Statics	3
ENGN2101	Linear Circuit Theory	3
ENGN2102	Linear Circuit Theory Lab	1
ENGN3005	Operational Amplifiers and Linear Circuits	3
ENGN3025	Applied Mechanics II: Dynamics	3
ENGN3075	Applied Fluid Mechanics	3
ENGN3302	Robotics	3
SCI2031	Anatomy and Physiology	3

### Applied/Experiential Learning

Choose 6 credits from the following:		
DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>Ic</sup>	
TECX4190	Technical Solutions Design Project	

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
IDES3100	Parametric Engineering Design	3
MATH3040	Calculus III	3

Choose one of the following: 4

PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	
PHY2011 & PHY2016	Physics I and Physics I Laboratory	

Choose one of the following: 4

PHY1022 & PHY1026	General Physics II and General Physics II Laboratory	
PHY2022 & PHY2026	Physics II and Physics II Laboratory	

### A&S Core Experience

Communications Foundation Courses 9		
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning 6

Two ILS courses, one at the 2000 level, and one at the 4000 level

Arts & Humanities 6

PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		

Mathematics 6

MATH1040	Calculus I (or higher, based on student's placement) <sup>*</sup>	
MATH2010	Introduction to Biostatistics	

Science 4

CHM1000 & CHM1006	Foundations in Chemistry and Foundations in Chemistry Laboratory	
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Social Sciences 6

Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC

A&S Electives 6

MATH2040	Calculus II	
MATH2043	Ordinary Differential Equations	

### Free Electives<sup>#</sup>

6 credits selected from 1000-4999 numbered offerings within the university 6

Total Credits 123.0

<sup>\*</sup> Students that do not place in MATH1040 Calculus I, will need to take an extra course(s), MATH1020 Fundamentals of Algebra, and/or MATH1030 Precalculus, as prerequisite(s). If needed one, or both, will count as a free elective(s).

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>Ic</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

# Computer Engineering- B.S.

Computer Engineering is an interdisciplinary degree program that combines the knowledge core of engineering disciplines with mathematics and computer science to solve problems.

The computer engineering curriculum includes the science and technology of software and hardware design, embedded systems, computer architecture, and VLSI in addition to signal processing, solid state devices and microcontroller applications.

Graduates of the Computer Engineering B.S. degree program are prepared for careers in the computer systems industry, focusing on computer systems design and hardware engineering, and have career opportunities in research, design and development in a variety of industries.

Upon completion of the program, graduates are expected to:

- Apply knowledge of mathematics, science, engineering and technology as required by the field of computer engineering.
- Use math, sciences, and engineering processes to analyze problems, formulate solutions, conduct experiments, and interpret data.
- Communicate engineering and scientific information using oral and written arguments and visual presentation.
- Recognize and evaluate ethical, global and social impacts of computer engineering innovation.
- Integrate scientific knowledge, problem-solving skills, and engineering tools to design software and hardware for computer systems.

## Computer Engineering

A four-year program leading to a bachelor of science degree

Engineering Foundations		
ENGN1015	Introduction to Engineering	3
ENGN2001	Digital Logic Design	4
ENGN2009	C Programming for Engineering	4
Major Courses		
CENG4030	Digital Integrated Circuit Design	3
CENG4040	Senior Design I	3
CENG4050	Senior Design II	3
CSIS1112	Computer Science II	3
CSIS2018	Advanced Data Structures	3
CSIS2023	Survey of Programming Languages	3
ENGN2014	Computer Architecture I	3
ENGN2085	Introduction to Embedded Systems	3
ENGN2101	Linear Circuit Theory	3
ENGN2102	Linear Circuit Theory Lab	1
ENGN3150	Solid State Devices	3
ENGN3151	Solid State Devices Lab	1
ENGN3180	Microelectronics Design	3
ENGN4030	Digital Signal Processing	3
Major Electives		
Choose 6 credits of the following:		6
CSIS, CYB, ENGN, IDES, ITEC, MATH: 2000 level or higher		
Applied/Experiential Learning		
Choose 6 credits from the following:		6
DEE3999 Directed Experiential Education <sup>D</sup>		
TECX4099 College of Engineering & Design Internship <sup>IC</sup>		
TECX4190 Technical Solutions Design Project		
Related Professional Studies		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
IDES3100	Parametric Engineering Design	3
MATH2040	Calculus II	3
MATH2220	Linear Algebra	3
Choose one of the following:		4
PHY1022 & PHY1026 General Physics II and General Physics II Laboratory		
PHY2022 & PHY2026 Physics II and Physics II Laboratory		
A&S Core Experience		
Communications Foundation Courses		9
ENG1020 Rhetoric & Composition I		
ENG1021 Rhetoric & Composition II		
ENG1030 Communication Skills		
Integrative Learning		6

Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts & Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1040	Calculus I (or higher, based on student's placement) *	
MATH2001	Statistics I	
Science		
Choose one of the following:		4
PHY1011 & PHY1016 General Physics I and General Physics I Laboratory		
PHY2011 & PHY2016 Physics I and Physics I Laboratory		
Social Sciences		6
Two courses from ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
MATH2020	Discrete Mathematics	
MATH2043	Ordinary Differential Equations	
Free Electives #		
6 credits selected from 1000-4999 numbered offerings within the university		6
Total Credits		125.0

\* Students that do not place in MATH1040 Calculus I will need to take an extra course(s), MATH1020 Fundamentals of Algebra and/or MATH1030 Precalculus, as prerequisite(s). If needed one, or both, will count as a free elective(s).

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>IC</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Computer Science - B.S.

The Computer Science bachelor's degree program is designed to provide a broad overview to the fundamentals of computer science, including software and systems analysis, programming languages, machine architecture, algorithmic thinking, and theoretical foundations of computing.

Upon completion of the program, graduates are expected to:

- Apply knowledge of math, science, engineering and contemporary developments in the fields of software programming, networking, system design, computer science and/or project management.
- Analyze problems through the use of computer science concepts and processes to formulate, implement and test software-based algorithms.
- Incorporate historical context and emerging developments in computer science to create adaptable and efficient algorithmic solutions that reflect ethical considerations and global awareness.
- Use the techniques, skills and emerging tools necessary for analysis and evolution of algorithms in computer science.

Upon completion of the Software Engineering specialization (offered at the Providence campus), graduates are expected to:

- Integrate knowledge, tools and problem-solving skills to carry out the design, creation, maintenance and testing of state-of-the-art software solutions.

Upon completion of the Network Engineering specialization (offered at the Providence Campus), graduates are expected to:

- Apply computer science knowledge, skills and tools focused on real-time, finite state machine development methods aimed at creating network products, network designs, troubleshooting plans and advanced protocol tracking.

Modern computer science touches many academic pursuits (i.e., business, economics, the sciences, mathematics, etc.). Computer Science students have the flexibility to truly pursue integrated learning across the university and beyond, made possible by additional elective options with this degree. The benefits of problem-solving and algorithmic thinking can be applied to many intellectual pursuits changing the way students approach problem solving. Coupled with the pragmatic skills of programming and computer internals training, students can be action-oriented in mobilizing and automating problem-solving methods.

In the Software Engineering specialization, the core concepts found in computer science are expanded upon in the pursuit of perfecting the methods and tactics necessary for large-scale software development. Software engineering applies problem-solving methods, data-handling techniques and programming skills to large-scale implementations. Large projects pose unique challenges in terms of specification of problems to be solved, practical application development concerns, testing, project management and documentation. The Software Engineering specialization focuses on learning in these key areas. Programming is comprised of unique skills that separate software engineers from pure computer scientists. Students that complete this specialization are ready to join software development teams and make significant contributions to software product development.

In the Network Engineering specialization, students learn how computer science drives the next level of networking enhancements: application-aware networks, software-driven networks, advanced network security screening/firewalling/packet examination, and data-handling improvements based on advanced-routing algorithms. Finite state-based programming has always been at the core of networking and is the focus of this program. Students who complete this specialization are intimately familiar with the evolution of network products, the software internals of switches and routers, and the latest trends in software development specific to this industry. Students are positioned to lead network design teams, benchmark network products, create network products, and analyze network problems from both a software and hardware point of view.

## Computer Science

A four-year program leading to the bachelor of science degree

### Major Courses

CSIS1000	Problem Solving and Programming Concepts	3
CSIS1101	Computer Science I	3
CSIS1112	Computer Science II	3

CSIS2018	Advanced Data Structures	3
CSIS2023	Survey of Programming Languages	3
CSIS2045	Introduction to Operating Systems	3
CYB2010	Computer Architecture with Assembly Language Programming	3
ITEC2081	Network Protocols I	3
ITEC3050	Information Security with Cryptography	3
MATH1030	Precalculus	3
PRMG2010	Introduction to Project Management & Project Membership	3

### Major Courses/Specialization

Choose Additional Major Courses or a Specialization listed below†		18
CSIS3126	Design Project I	
CYB3038	HCI/Usable Security	
ITEC3070	Systems Modeling and Simulation	
9 credits at the 2000+ level in the following subjects: BIO, CAD, CHM, CSIS, CYB, ECON, ENGN, GDES, ITEC, LEAD, MATH, MGMT, PHY, PSYC, SCI, SOC		

### Applied/Experiential Learning

Choose 6 credits from the following:		6
DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>lc</sup>	
TECX4190	Technical Solutions Design Project	

### Related Professional Studies

CAR0010	Career Management	1
ENG2010	Introduction to Technical Communication	3
FYS1020	First-Year Seminar	1
LAW2001	The Legal Environment of Business I	3
MATH2020	Discrete Mathematics	3
MGMT2020	Organizational Dynamics	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		

Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		

Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	

Science		4
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	

Social Sciences		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCL, PSYC, RES or SOC		

A&S Electives		6
Two courses with an EASC attribute		

### Free Electives #

9 (6 for students in the Software Engineering specialization) credits selected from 1000-4999 numbered offerings within the university		9
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Total Credits		123.0
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### †Specialization in Software Engineering

Students must use 3 credits of free electives to complete this specialization

CSIS3106	Software Verification, Validation, Testing and Security	
CSIS3126	Design Project I	
CSIS4010	Software Engineering	
ENGN2085	Introduction to Embedded Systems	
ITEC2085	Distributed Systems with TCP/IP	
ITEC3040	Systems Analysis	
MATH1040	Calculus I	

### †Specialization in Network Engineering

18

ITEC2082	Network Protocols II	
ITEC2085	Distributed Systems with TCP/IP	
ITEC3031	Router Internals and Integration	
ITEC3075	Network Security	
ITEC3083	Wireless Networking	
MATH1040	Calculus I	



<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>L</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Cybersecurity - M.S.

The Cybersecurity Master of Science degree program builds cogently on the body of knowledge associated with the protection of networks, communication channels and information, and incorporates a set of core competencies in both technology and business as they relate to planning, implementing and managing system- and enterprise-level security. This program is targeted for students who have bachelor's degrees in information technology, computer science, and network and software engineering, as well as others who have earned bachelor's degrees in fields outside these areas but need the graduate-level degree to advance professionally. All students must complete a capstone project.

Upon completion of the program, graduates are expected to:

- Research, establish and apply strategies and solutions that demonstrate an understanding of security foundations and the practical applications in the information security/assurance field.
- Integrate information security solutions through the alignment of appropriate security methodologies to different security situations.
- Develop system security contingency plans and disaster recovery procedures.
- Propose and test policies and procedures to ensure information systems reliability and availability and the prevention of unauthorized access.
- Effectively communicate information security assessments, plans and actions to all stakeholders, both technical and nontechnical.
- Assess and summarize the legal standards, laws and regulations related to information security/assurance in the global community.

This program is a 12-course degree with a 6-course core and 5-course focus area. The final program requirement is a 3.0 credit capstone research project.

ISA5005 Network Fundamentals (offered online only) or an approved equivalent is a requirement for this program. Students who do not have this course or an approved equivalent within their undergraduate program, or who transferred in, will need to complete this foundation course prior to registering for core and focus classes.

## Cybersecurity

Master of Science

Foundation Course		
ISA5005	Network Fundamentals *	3
Core Courses		
ISA5020	Foundations of Information Security Management	3
ISA5030	Legal and Ethical Principles in IT	3
ISA5040	Network Security and Cryptography	3
ISA5050	Digital/Computer Forensics and Investigation	3
MATH5100	Statistical Methods	3
RSCH5700	Research and Inquiry	3
Required Focus		
ISA5085	Principles of Programming	3
ISA6010	Software Security Testing	3
ISA6020	Securing Virtualized and Cloud Infrastructures	3
ISA6030	Hacking Countermeasures and Techniques	3
ISA6040	Advanced Network Intrusion Detection and Analysis	3
Career Capstone Course		
ISA6090	Information Security & Assurance Capstone Research Project	3
Total Credits		36.0-39.0

\* ISA5005 Network Fundamentals is only offered online.

# Cyber Threat Intelligence & Defense - B.S.

The Cyber Threat Intelligence & Defense bachelor's degree program is designed to fill a critical and growing need for cyber threat intelligence and defense personnel in the public and private sector. Students completing this curriculum should have the understanding of incident response techniques that detect, scope and respond to internal and external intelligence. This intelligence is used to enable network and system defenders to establish protocols that decrease the cyber attacker's likelihood of success with each ensuing intrusion attempt.

Upon completion of the program, graduates are expected to:

- Operate and communicate effectively in working with stakeholders at all levels.
- Function effectively on teams to accomplish a common goal.
- Synthesize aspects of professional, ethical, legal, security and social issues and responsibilities in the area of cyber operations.
- Apply current techniques, skills and tools necessary for computer and cyber practices.
- Measure the performance of security systems within an enterprise level information system infrastructure.
- Analyze the local and global impact of computing on individuals, organizations and society.
- Analyze a problem, identify possible threats, and define the computing requirements appropriate to solve cyber operations issues.

The focus of this program is to educate and train the new wave of cyber specialist that can track, analyze and counter digital security threats. This form of intelligence is a blend of physical reconnaissance and defense with modern information technology techniques. Proactive cyber defense is the direction of the future, the gathering of information about trends and behaviors of adversaries in anticipation of opposing an attack against computers and networks, is critical to mitigating operational risk.

An experiential educational experience is also offered. There are a variety of options available for students to complete the required six-credit experience. Student may elect to add an additional three credits based upon advising and prior planning.

Upon graduation, students may be employed in cyber-related jobs ranging from manufacturing, defense, public administration, healthcare and retail trade industries.

An important component of the program's educational experience is the general studies courses taught by the College of Arts & Sciences. Graduates are expected to show competencies in higher-order thinking, communications, ethics, global diversity, responsible citizenship and leadership.

## Cyber Threat, Intelligence & Defense

A four year program leading to the bachelor of science degree

### Major Courses

CSIS1000	Problem Solving and Programming Concepts	3
CSIS1101	Computer Science I	3
CSIS1112	Computer Science II	3
CSIS2030	Database Concepts	3
CSIS2045	Introduction to Operating Systems	3
CSIS2080	Database Design	3
CYB1005	Introduction to Cyber Security Operations	3
CYB2010	Computer Architecture with Assembly Language Programming	3
CYB3011	Software Reverse Engineering	3
CYB3023	Large Scale Distributed Systems	3
CYB3038	HCI/Usable Security	3
CYB4010	Computer and Network Forensics	3
CYB4026	Cyber Intelligence	3
CYB4032	Perimeter Protection and Vulnerability Assessment	3
CYB4044	Active Cyber Defense and Countermeasures	3
ITEC2081	Network Protocols I	3
ITEC2082	Network Protocols II	3
ITEC3050	Information Security with Cryptography	3
ITEC3075	Network Security	3
ITEC3083	Wireless Networking	3

### Applied/Experiential Learning

Choose 6 credits from the following: 6

DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>IC</sup>	
TECX4190	Technical Solutions Design Project	
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
LAW2001	The Legal Environment of Business I	3
LAW3080	Cyberlaw	3
PRMG2010	Introduction to Project Management & Project Membership	3
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3020	Crisis and Controversy: A Critical Thinking Approach	
or PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH2001	Statistics I	
MATH2020	Discrete Mathematics*	
Science		4
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	
Social Sciences		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Elective<sup>#</sup></b>		
3 credits selected from 1000-4999 numbered offerings within the university		3
Total Credits		123.0

\* Students that do not place in MATH2020 Discrete Mathematics, will need to take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this will count as an A&S elective.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>IC</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Data Analytics - M.S.

The Data Analytics Master of Science degree program is designed to provide students with in-depth knowledge for applying statistical methods and tools to solve real-world problems using data. The program includes core courses in statistical topics as well as advanced applications of data analytics. Students delve into the areas of data mining, analytics, management and visualization, forecasting, modeling, and optimization and simulation which provide skills necessary to fill the current analytics gap and prepare students for both the technical and business challenges posed by big data.

Upon completion of the program, graduates are expected to:

- Integrate the knowledge of mathematics, statistics and computer science to collect, analyze and interpret data.
- Use data to drive organizational decisions and optimize performance.
- Conduct analysis for advanced data mining strategies to optimize model performance.
- Make recommendations based on the evaluation of the ethical, legal and political issues of data usage and its implications for a given application, market or population.

## Data Analytics

### Master of Science

#### Prerequisite Courses \*

FIT1040	Spreadsheet Design for Business Solutions (or passing grade on challenge exam)	3
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#### Core Courses

DATA5025	Tools for Data Analytics	3
DATA5050	Data Management	3
DATA5100	Statistical Analysis	3
DATA5150	Data Mining	3
DATA5200	Data Visualization	3
DATA5300	Big Data Analytics	3
DATA5350	Text & Web Mining Analytics	3
DATA5400	Introduction to Predictive Modeling	3
DATA5515	Advanced Topics in Predictive Analytics	3
DATA5550	Optimization Simulation	3
DATA5600	Research Methods in Data Analytics	3
DATA5700	Data Analytics Capstone	3

Total Credits		36.0-39.0
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\* Prerequisite courses must be completed prior to or concurrently with core courses.

# Digital Marketing & Social Media - B.S.

The Digital Marketing & Social Media bachelor's degree program is a collaborative degree offered through the College of Engineering & Design and College of Business.

This program provides a balanced combination of theory and applied knowledge to enable students to acquire skills in various technologies, such as social media marketing, data collection and analytics; search engine marketing; content marketing; screen design and content management; online research; mobile advertising; CRM strategy; and digital advertising. The program consists of a number of general studies courses and related professional studies courses, and offers professional certifications in a number of digital marketing areas.

Upon completion of the program, graduates are expected to:

- Collect and analyze data to evaluate the effectiveness of social media and digital marketing strategies.
- Analyze, evaluate and redesign existing digital marketing and/or social media strategies to optimize an organization's online presence.
- Provide data driven solutions for the management of content in social media and online marketing campaigns.
- Communicate complex data sets to both technical and non-technical audiences.

With the continual increased use of digital marketing and social media, there is a growing need for employees with marketing, technology and analytics backgrounds. This program provides students with a solid foundation in each of these areas, giving them a competitive advantage in the workplace.

A variety of experiential education options are available for students to complete the 6-credit requirement. Students may elect to add an additional 3 credits from their free major electives based upon advising and prior planning.

An important component of the program's educational experience is the Arts & Sciences Core Experience. Graduates are expected to show competencies in higher order thinking, communications, ethics, global diversity, responsible citizenship and leadership.

## Digital Marketing & Social Media

A four-year program leading to the bachelor of science degree

### Major Courses College of Business

ADVC3010	Digital Media Planning	3
ADVC4050	Search Engine Marketing	3
MRKT1001	Marketing Foundations	3
MRKT2050	Marketing Research	3
MRKT3011	Data-Driven Marketing	3
MRKT3045	Social Media Marketing	3
MRKT3085	Marketing Analytics	3

### Major Courses College of Engineering & Design

CSIS2030	Database Concepts	3
CSIS2075	Interface Design for Mobile Devices	3
DMSM1001	Introduction to Digital/Social/Mobile Media	3
DMSM2025	Introduction to Data Visualization	3
DMSM2050	Spreadsheets for Data Analysis	3
DMSM4030	Senior Capstone	4
FIT1040	Spreadsheet Design for Business Solutions	3
GDES1040	Screen Design & Coding I	3
GDES1060	User Experience and Content Design I	3
GDES2050	Content Management Systems	3
PRMG2010	Introduction to Project Management & Project Membership	3

### Applied/Experiential Learning

Choose 6 credits from the following:		6
BUS4799	College of Business Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>1c</sup>	

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
LAW2001	The Legal Environment of Business I	3
LAW3080	Cyberlaw	3
MCST2450	Writing in Digital Media	3

### A&S Core Experience

Communications Foundations Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level (ILS2385 recommended)		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
SOC1001	Sociology I	
One course from ANTH, ECON, GEND, LEAD, PSCI, PSYC, or RES		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives</b>		
9 credits selected from 1000-4999 numbered offerings within the university		9
Total Credits		123.0

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Electronics Engineering - B.S.

The Electronics Engineering bachelor's degree program provides a broad-based foundation in current and projected growth areas of electronic engineering. The program focuses on the technology dynamics of the industry in embedded systems design and applications.

An immersive, lab-based approach integrates mathematical and engineering applications with contemporary developments in the field.

Upon completion of the program, graduates are expected to:

- Apply knowledge of mathematics, engineering sciences and contemporary developments in the field to perform analysis and design to desired engineering specifications.
- Use engineering processes to identify and analyze problems, formulate solutions, design simulations and experiments, and interpret results.
- Communicate complex concepts through design principles to create adaptable and efficient solutions that reflect ethical considerations and global awareness in the resolution of engineering problems.
- Employ industry-standard techniques, skills, and tools to analyze and interpret data to formulate engineering solutions.
- Integrate knowledge, tools, and problem - solving skills to implement the design, creation, and testing of solutions to engineering problems.

Through experiential education options, students have the opportunity to gain work experience at a variety of industry partnership sites.

## Electronics Engineering

A four-year program leading to the bachelor of science degree

### Engineering Foundations

ENGN1015	Introduction to Engineering	3
ENGN2001	Digital Logic Design	4
ENGN2009	C Programming for Engineering	4

### Major Courses

ENGN2020	Transform Methods for Engineering	3
ENGN2085	Introduction to Embedded Systems	3
ENGN2101	Linear Circuit Theory	3
ENGN2102	Linear Circuit Theory Lab	1
ENGN2205	Microcontrollers	3
ENGN3005	Operational Amplifiers and Linear Circuits	3
ENGN3045	Electricity & Magnetism	3
ENGN3150	Solid State Devices	3
ENGN3151	Solid State Devices Lab	1
ENGN3180	Microelectronics Design	3
ENGN4030	Digital Signal Processing	3
ENGN4140	Capstone Design I	3
ENGN4145	Capstone Design II	3
IDES3100	Parametric Engineering Design	3

### Applied/Experiential Learning

Choose 6 credits from the following:		6
DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>1c</sup>	
TECX4190	Technical Solutions Design Project	

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
MATH2001	Statistics I	3
MATH2043	Ordinary Differential Equations	3
MATH2220	Linear Algebra	3
PHY2011	Physics I	4
& PHY2016	and Physics I Laboratory	

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1040	Calculus I (or higher, based on student's placement) *	
MATH2040	Calculus II	

Science		4
CHM1000 & CHM1006	Foundations in Chemistry and Foundations in Chemistry Laboratory	
Social Sciences		6
Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		7
MATH3040	Calculus III	
PHY2022 & PHY2026	Physics II and Physics II Laboratory	
<b>Free Electives #</b>		
9 credits selected from 1000-4999 numbered offerings within the university		9
Total Credits		123.0

\* Students that do not place in MATH1040 Calculus I, will need to take an extra course(s), MATH1020 Fundamentals of Algebra, and/or MATH1030 Precalculus, as prerequisite(s). If needed one, or both, will count as a free elective(s).

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>1c</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?



# Graphic Design - B.S.

The Graphic Design bachelor's degree program combines visual design foundation courses and pre-professional educational experience to prepare students for careers in professional graphic design.

Upon completion of the program, graduates are expected to:

- Demonstrate knowledge of the common elements, vocabulary, visual culture and history of design, and the interaction of these elements in modern context.
- Apply professional processes to analyze a problem, conduct research, propose solutions, write specifications and execute delivery of a product.
- Communicate, create and develop successful solutions to visual concepts reflecting the principles of visualization and design, typography, imagery, user-experience and aesthetics.
- Use traditional tools, technology, materials and production methods of the discipline to create effective solutions to design problems.
- Design solutions that respond to the physical, cognitive, cultural, social and/or ethical elements of the audience.

Students in this degree program prepare for a wide range of career opportunities in the creative industries where graphic design and web design intersect. Sample job titles in this rapidly changing professional market include graphic designer, digital designer, visual designer, UI/UX (user interface) designer, web designer, creative/art director, digital designer, interactive designer, multimedia designer and more.

The academic and experiential focus of this program prepares students to solve various digital communication problems using visual design and digital tools. Learning is professionally focused and performance-based using current digital software and hardware in university labs and studios.

There are two major focus areas that students can choose from: (1) web design or (2) print design courses to fine tune skill sets in two major areas of the field.

In their sophomore year, students assemble a comprehensive portfolio that demonstrates their increasingly sophisticated mastery of design. Students begin to identify and present themselves as independent designers through the development of focused identity that carries through to all of their presentation materials.

The senior year is highlighted with real-world experience in the Design Team courses and through internships. Students develop competitive skills in project management by creating, managing and presenting graphic design projects for real-world clients.

In Design Team I and II, senior-level students apply their knowledge to real-world problems through experiential education. Working from the John J. Bowen Center for Science and Innovation, students provide design solutions for community partners. Students hone their design skills by creating, editing and presenting visual collateral that includes branding/logo design; print peripherals, including pamphlets, posters, organizational identity kits and infographics; video; motion graphics; and websites. Students work in project teams supervised by faculty.

Students complete the Senior Portfolio Assessment course, which guides them through the assembly of a comprehensive digital and physical portfolio that demonstrates their increasingly sophisticated mastery of design. With faculty guidance, students gather, revise and organize their best works as well as enhance their portfolios with additional advanced design projects. In the final week of the course, students present and defend their work to a select group of faculty and visiting industry professionals. This course is the springboard for students to start applying for internships and other experiential education opportunities that are required of the program. Students also show their work in the annual Senior Showcase Exhibit.

Other opportunities such as study abroad, national competitions and school exhibitions are also available to qualified students and complement the college experience.

## Graphic Design

A four-year program leading to the bachelor of science degree

### Major Courses

GDES1000	Drawing for Design	3
GDES1001	First Year Design Student Seminar	1
GDES1020	Design Theory and Practice	3

GDES1030	Vector-Based Design	3
GDES1040	Screen Design & Coding I	3
GDES1050	Image Editing and Design	3
GDES1060	User Experience and Content Design I	3
GDES2000	Typography	3
GDES2030	Editorial & Publication Design	3
GDES2050	Content Management Systems	3
GDES2060	Portfolio Assessment for Digital	3
GDES2061	Portfolio Assessment for Print	3
GDES3015	Design Team I	4
GDES3025	Design Team II	4
GDES3250	Brand Identity Design and Development	3
GDES3300	Design for Motion	3
GDES4050	Senior Portfolio Assessment	3
IDES1010	Introduction to 3D Design	3

### Major Focus

Choose one of the areas below for a Major Focus: 9

#### Web Design

GDES3215	Screen Design and Coding II	
GDES3235	User Experience and Content Design II	
or GDES3315	Introduction to Programming with JavaScript	
GDES3345	Advanced Content Management Systems	

#### Print Design

GDES3210	Advanced Publication & Print	
GDES3260	Package Design	
GDES3270	Wayfinding & Environmental Graphics	

### Applied/Experiential Learning

Choose 6 credits of the following: 6

DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>IC</sup>	
TECX4190	Technical Solutions Design Project	

### Related Professional Studies

ADVC1010	Marketing Communications	3
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1

### A&S Core Experience

Communications Foundation Courses 9

ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning 6

Two ILS courses, one at the 2000 level, and one at the 4000 level

Arts and Humanities 6

ART3020	Art History	
One course from HIST, HUM, LIT, PHIL or REL		

Mathematics 6

MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	

Science 3

One course from BIO, CHM, PHY or SCI

Social Sciences 6

SOC1001	Sociology I	
or SOC2005	Honors Seminar: Social Inequalities	
One course from ANTH, ECON, GEND, LEAD, PSCI, PSYC or RES		

A&S Electives 6

MCST1210	Foundations of Digital Photography	
One course with an EASC attribute		

### Free Electives <sup>#</sup>

6 credits selected from 1000-4999 numbered offerings within the university 6

Total Credits 122.0

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>IC</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply.



Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. *Where will you go?*

# Product Design - B.S.

The Product Design bachelor's degree program at JWU invites students to imagine and create the next generation of connected products, high-tech systems and user experiences. Graduates leave prepared to lead as technologists, innovators and designers in a rapidly changing global economy.

The edges of professional design practice are becoming porous, revealing new challenges and opportunities in the field. A new kind of design thinking is needed to develop the next generation of experiences, interconnected products and interfaces. The Product Design B.S. degree prepares students to integrate system and experience design with strategic innovation, removing traditional boundaries within design practice.

JWU Product Design students explore the web of systems and human experiences surrounding and supported by a design proposal. This approach positions graduates to create smart, connected products or integrate design thinking and problem-solving into established businesses and industries, helping them adapt and differentiate themselves.

Students begin their studies with an intensive design foundation. In small project-based classes, students work closely with faculty to develop their representation, research and communication skills. With skills in hand, students proceed through a studio sequence of increasingly complex design projects with exposure to real clients and real-world problems. In their final year, students develop a capstone design investigation to explore a specific area of interest and begin the transition from student to design professional. Graduating students enter the world ready to use design as a catalyst for change, transforming and improving people's lives.

Upon completion of the program, graduates will be able to:

- Apply the concepts of universal design to create inspiring, user-focused products and experiences.
- Model systems to improve system performance through design intervention.
- Move iteratively and critically from open-ended problems to design proposals.
- Communicate complex ideas visually, orally and in written form.
- Propose appropriate materials, technologies and processes for design proposals.

## Product Design

A four-year program leading to the bachelor of science degree

### Major Courses

GDES1000	Drawing for Design	3
GDES1001	First Year Design Student Seminar	1
GDES1020	Design Theory and Practice	3
GDES1030	Vector-Based Design	3
GDES1040	Screen Design & Coding I	3
GDES1050	Image Editing and Design	3
IDES1010	Introduction to 3D Design	3
IDES1030	Direct Modeling	3
IDES2010	Human Factors	3
IDES2020	Studio - Iteration	3
IDES2030	Studio - User Centered Design	3
IDES2040	Materials and Processes	3
IDES2050	Parametric Modeling	3
IDES2060	Studio - Form Finding	3
or IDES4010	Studio - Computational Design and Informatics	
IDES3010	System Design	3
IDES3020	Studio - Systems of Production	3
or IDES3040	Studio - Ethical Design	
IDES3030	Simulation, Analysis and Optimization	3
IDES3050	Emerging Design Technologies	3
IDES4020	Studio - Collaboration and Context	3
IDES4030	Preparation for Capstone Project	1
IDES4050	Capstone Project	3

### Applied/Experiential Learning

Choose 6 credits from the following:		6
DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>lc</sup>	
TECX4190	Technical Solutions Design Project	

### Related Professional Studies

CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2020	Discrete Mathematics	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives #</b>		
15 Credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		124.0

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>lc</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Robotics Engineering - B.S.

The Robotics Engineering bachelor's degree program provides a broad based foundation in current and evolving areas of robotics, automation and mechatronics engineering. The program focuses on the dynamics of the industry in robotic and mechatronic systems and applications.

Our immersive, lab-based approach integrates technology and engineering applications with contemporary developments in the field.

Upon completion of the program, graduates are expected to:

- Apply knowledge of mathematics, science, engineering and technology as required by the field of robotics engineering.
- Use engineering processes to analyze problems, formulate solutions, conduct simulations and experiments and interpret data.
- Apply written, oral, and graphical communication for the engineering field with consideration for ethical and global concerns.
- Use techniques, skills, industry related tools and technical literature to complete projects, analyze, and interpret data to formulate solutions to engineering problems.
- Integrate knowledge, tools, and problem solving skills to implement the testing of solutions to engineering problems.

Through our experiential education options, you'll have the opportunity to gain work experience at a variety of industry partnership sites.

## Robotics Engineering

A four-year program leading to the bachelor of science degree

<b>Engineering Foundations</b>		
ENGN1015	Introduction to Engineering	3
ENGN2001	Digital Logic Design	4
ENGN2009	C Programming for Engineering	4
<b>Major Courses</b>		
ENGN2025	Applied Mechanics I: Statics	3
ENGN2035	Programmable Logic Controllers	3
ENGN2045	Computer Vision	3
ENGN2062	Artificial Intelligence	3
ENGN2085	Introduction to Embedded Systems	3
ENGN2101	Linear Circuit Theory	3
ENGN2102	Linear Circuit Theory Lab	1
ENGN2205	Microcontrollers	3
ENGN3005	Operational Amplifiers and Linear Circuits	3
ENGN3025	Applied Mechanics II: Dynamics	3
ENGN3053	Strength of Materials	3
ENGN3075	Applied Fluid Mechanics	3
ENGN3302	Robotics	3
ENGN3303	Industrial Robotics	3
ENGN3350	Mechatronics	3
ENGN4075	Robotics & Automation I	3
ENGN4080	Robotics & Automation II	3
<b>Applied/Experiential Learning</b>		
Choose 6 credits from the following:		6
DEE3999	Directed Experiential Education <sup>D</sup>	
TECX4099	College of Engineering & Design Internship <sup>IC</sup>	
TECX4190	Technical Solutions Design Project	
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
FYS1020	First-Year Seminar	1
IDES3100	Parametric Engineering Design	3
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1040	Calculus I (or higher, based on student's placement) <sup>*</sup>	
MATH2040	Calculus II	
Science		4

PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	
OR		
PHY2011 & PHY2016	Physics I and Physics I Laboratory	
Social Sciences		6
Two courses from different disciplines: ANTH, ECON, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives #</b>		
9 credits selected from 1000-4999 numbered offerings within the university		9
Total Credits		123.0

\* Students that do not place in MATH1040 Calculus I, will need to take an extra course(s), MATH1020 Fundamentals of Algebra, and/or MATH1030 Precalculus, as prerequisite(s). If needed one, or both, will count as an A&S elective(s).

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>IC</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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# Undeclared Major with Intended Engineering Interest

The Undeclared major with intended engineering interest is for the student who desires an engineering major but needs additional mathematics preparation before direct entrance into an engineering degree program. Students who successfully complete the requirements to matriculate into an engineering program after two semesters are enrolled into a B.S. program in either Computer Engineering, Robotics Engineering, Electronics Engineering or Biomedical Engineering in their second year of study. Requirements are outlined in the “Pathway to Engineering Contract for Success” and include advising, tutoring, and achievement of a 2.75 GPA in engineering, math and science courses during their first two semesters.

## Undeclared Major with Intended Engineering Interest

Engineering Foundations		
ENGN1015	Introduction to Engineering	3
ENGN2001	Digital Logic Design	4
Related Professional Studies		
FYS1020	First-Year Seminar	1
IDES3100	Parametric Engineering Design	3
A&S Core Experience		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Science		4
CHM1000 & CHM1006	Foundations in Chemistry and Foundations in Chemistry Laboratory *	
or		
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory **	
Mathematics/A&S Electives/Free Electives ***		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH1030	Precalculus	
Total Credits		30.0

\* CHM1000 Foundations in Chemistry and CHM1006 Foundations in Chemistry Laboratory are required for Undeclared majors with intended Electronics Engineering and Biomedical Engineering interest.

\*\* PHY1011 General Physics I and PHY1016 General Physics I Laboratory are required for Undeclared majors with intended Robotics Engineering or Computer Engineering interest.

\*\*\* Students that do not place in MATH1040 Calculus I will need to take an extra course(s), MATH1020 Fundamentals of Algebra and/or MATH1030 Precalculus, as prerequisite(s); depending on placement. If needed this may count as an A&S or Free elective.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

# College of Food Innovation & Technology

## Undergraduate

- **Associate in Science (A.S.) Degree**
  - Baking & Pastry Arts (p. 131)
  - Culinary Arts (p. 135)
- **Bachelor of Science (B.S.) Degree**
  - Baking & Pastry Arts (p. 132)
  - Culinary Arts (p. 136)
  - Culinary Nutrition (p. 137)
  - Culinary Science & Product Development (p. 138)
  - Food & Beverage Entrepreneurship (p. 140)
  - Sustainable Food Systems (p. 143)
- **Minor**
  - Beverage Service Management (p. 133)
  - Craft Brewing (p. 134)
  - Culinary Sustainability (p. 139)
  - Sommelier Management (p. 142)
- **Certificate**
  - Professional Craft Brewing (p. 144)

## Graduate

- **Master of Science (M.S.) Degree**
  - Food Innovation & Technology (p. 141)

# Baking & Pastry Arts - A.S.

The Baking & Pastry Arts associate degree program provides students with a practical, skill-based baking and pastry education that explores both traditional and contemporary techniques in the production of breads, pastries, cakes and desserts. The baking and pastry arts students, using the medium of food, progress through a program of study that builds competency in celebration cakes, artisan breads, chocolate confections, plated desserts and classic pastries in state-of-the-art laboratory classrooms.

Upon completion of the program, graduates are expected to:

- Execute professional techniques and skills needed to prepare, produce and serve desserts as it applies to the current food service industry.
- Perform the skills and techniques of professional artisanal bread baking and viennoiserie.
- Apply FDA recommended food safety and sanitation principles to products, tools and equipment used throughout the flow of food within the pastry kitchen.
- Implement cost control measures to track goods, services and costs through the cycle of cost control and to evaluate revenue and expenses and their effect on profitability.
- Communicate professionally and exhibit appropriate decision making skills with respect for individual and team diversity as it applies to the food service industry.

The first-year baking and pastry laboratory classes focus on skill development and the combining of ingredients to produce pastries, breads, cakes, plated desserts and chocolates. The second year focuses on advanced techniques for the production of entremets as well as the culinary/beverage and front-of-the-house skills needed in the execution of an artisan café.

Craft-based training is paired with traditional academic courses resulting in a curriculum that is both dynamic and directly aligned with industry needs. Students learn to develop recipes, implement cost controls, apply food safety and achieve a Conference for Food Protection approved Food Safety Manager Certification. General studies courses engage students in critical thinking and communication practices that align with industry expectations. The associate degree includes an internship experience that helps students gain industry experience. Students may engage in the internship experience locally, nationally and internationally if specified requirements are met.

Graduates of the Baking & Pastry Arts associate degree are eligible for entrance into the following Bachelor of Science degree programs: Baking & Pastry Arts, Culinary Arts, Food & Beverage Industry Management, Culinary Nutrition, Culinary Science & Product Development, Food & Beverage Entrepreneurship, Sustainable Food Systems or Business Studies. Certain requirements pertain to each of these bachelor degree programs, which are noted in their respective program descriptions.

## Baking & Pastry Arts

A two-year program leading to an associate degree

### Major Courses

BPA1701	Foundations of Baking and Pastry	3
BPA1710	Principles of Cake Production and Design	3
BPA1720	Plated Desserts	3
BPA1730	Artisan Bread & Viennoiserie I	3
BPA1740	Artisan Bread & Viennoiserie II	3
BPA1750	Chocolate, Confections & Mignardise	3
BPA2710	Advanced Pastry Applications	3
BPA2720	Artisan Cafe	3

### Applied/Experiential Learning

CFIT2699	College of Food Innovation & Technology Intermediate Internship <sup>lr</sup>	12
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### Related Professional Studies

FSM1165	The Food Safety Manager <sup>*</sup>	1
FSM2025	Food and Beverage Cost Control	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		3
One ILS course at the 2000 level		

Mathematics		3
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
Science		3
SCI1050	Nutrition	
A&S Electives		3
One course with an EASC attribute		
Total Credits		61.0

<sup>lr</sup> Experiential Learning credits can be applied to a number of options in addition to the 6.0 required internship. Options include, but are not limited to, study abroad, Directed Experiential Education courses, or courses in a minor as relevant. Students are strongly encouraged to contact a faculty adviser before scheduling experiential learning credits.

<sup>\*</sup> Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

**NOTE:** Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

**Note:** Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Baking & Pastry Arts - B.S.

The bachelor's degree program in Baking & Pastry Arts is focused on advanced craft-based techniques complemented by the principles and science used in baking and pastry arts. The program integrates professional studies which prepare students for leadership roles within multiple venues of the industry. In the advanced technique laboratory classroom students are guided in developing their passion and vision as they master the disciplines of artisan breads, confections, sugar work, plated desserts, wedding cakes and chocolate showpieces while maintaining a food-safe environment.

Upon completion of the program, graduates are expected to:

- Modify and develop formulas to create products that are balanced, flavorful and technically sound.
- Produce and present baking and pastry products using classical and contemporary techniques at a professional level.
- Apply FDA recommended food safety and sanitation principles throughout the flow of the food service operation.
- Prepare, utilize and interpret financial documents related to food service management operations.
- Demonstrate leadership attributes necessary for operating professionally in the food service industry.

In addition to the advanced craft and technique laboratory classes, students engage in professional studies courses in human resources and financial management, resulting in a curriculum that is directly aligned with the leadership needs of industry. General education courses add depth and breadth to the professional competencies as students engage in critical thinking, problem solving, and communication strategies that align with industry expectations.

The bachelor's degree culminates with an advanced internship experience where students continue to refine their pastry skills and experience the role of the pastry chef, placing an emphasis on supervisory skill development and managing resources which assists students in the preparation of future careers. Possible internship sites include local, national and international hotels, restaurants, country clubs, resorts, casinos, artisan bakeries, confectionery shops and wedding cake boutiques.

## Baking & Pastry Arts

A four-year program leading to the bachelor of science degree for two-year Baking & Pastry Arts and Culinary Arts\* program graduates.

First two years:	61
in Baking & Pastry Arts *	
OR	
in Culinary Arts *,**	
Third and fourth years:	
<b>Major Courses</b>	
BPA3710 Tiered and Themed Cakes	3
BPA3720 Viennoiserie and Naturally Leavened Breads	3
BPA3730 Decorative Breads and Advanced Viennoiserie	3
BPA3740 Contemporary Plated Desserts	3
BPA4710 Advanced Petits Gateaux, Mini Pastries and Buffet Presentation	3
BPA4720 Advanced Chocolate and Sugar Artistry	3
<b>Applied/Experiential Learning</b>	
CFIT4799 College of Food Innovation & Technology Advanced Internship	12
<b>Related Professional Studies</b>	
CAR0010 Career Management	1
CULS2210 Food Science	3
FSM3035 Supervision for Food Service Professionals	3
FSM3040 Food Service Financial Systems	3
<b>A&amp;S Core Experience</b>	
Integrative Learning	3
One ILS course at the 4000 level	
Arts and Humanities	6
ART3020 Art History	
or PHIL3240 Ethics: A Global Perspective	
One course from a different discipline: ART, HIST, HUM, LIT, PHIL or REL	
Mathematics	3
MATH2001 Statistics I	
Social Sciences	6

PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives		3
One course with an EASC attribute		
Total Credits		61.0
Four-Year Credit Total		122.0

- \* Students entering this program with an Associate in Occupational Science Degree may be required to complete additional credit hours of general education courses.
- \*\* Culinary Arts Associate's degree graduates enrolling in the Bachelor of Science degree in Baking & Pastry Arts must complete all associate Baking & Pastry laboratory courses.

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?



## Beverage Service Management - MINOR

The Beverage Service Management minor provides students with an opportunity to acquire deeper understanding and expertise in the beverage field. With its required **five** courses of beverage studies, the minor enables students to further explore their passion for beverages and develop important theoretical and practical competencies needed to pursue leading, internationally recognized, beer, wine and spirits-based certifications.

Online students must be of legal drinking age: 21 years of age in the U.S. or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

### Beverage Service Management

#### Minor

FSM2055	Beverage Appreciation *	3
Choose four of the following: **		12
CUL3020	Foundations of Wine	
CUL3082	Exploring Mead and Honey	
CUL3092	Brewing Arts	
CUL3093	Coffee, Tea and Non-alcoholic Beverage Specialist	
CUL3270	Volcanic Island Wines: The Azores and Madeira	
CUL3900	Exploring Ciders and Fruit Wines	
CUL4020	New World Wines	
or CUL4030	Old World Wines	
CUL4045	Spirits and Mixology Management	
CUL4080	Beer Sommelier Capstone	
CUL4416	British Practical Brewing (Study Abroad)	
FSM3080	Food & Beverage Marketing and Distribution	
FSM4070	The Business of Alcohol Distribution, Retail and Sales	
FSM4160	Food and Beverage Strategies and Logistics	
FSM4880	Beverage Operations Management	
Total Credits		15.0

\* FSM2055 Beverage Appreciation is a required course except for students who have completed CUL1365 Exploring Beverages, CUL2235 Contemporary Service and Restaurant Supervision or CUL2510 Contemporary Restaurant Operations and Management.

\*\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

## Craft Brewing - MINOR

The College of Food Innovation and Technology offers the Craft Brewing minor, an intensive, concise program designed to give students pursuing any degree the knowledge and skills to successfully enter the craft brewing industry. Students learn advanced brewing theory and the technical skills needed to develop and produce original recipes. Students also develop advanced sensory and laboratory analysis skills, process management, sanitation and packaging, regulatory compliance, and retail and wholesale sales.

### Craft Brewing Minor

#### Minor

CUL3092	Brewing Arts	3
CUL4419	Brewery Operations and Planning	3
CUL4460	Advanced Brewing Theory and Analysis	3
CUL4465	Advanced Brewing Theory Lab	1
FSM4070	The Business of Alcohol Distribution, Retail and Sales	3
Choose one of the following: *		3
CUL2010	Foundations of Fermented Foods	
CUL3030	Exploring Cheese	
CUL3082	Exploring Mead and Honey	
CUL3900	Exploring Ciders and Fruit Wines	
CUL4080	Beer Sommelier Capstone	
CUL4416	British Practical Brewing (Study Abroad)	
CUL4417	Applied Craft Brewing Capstone	
Total Credits		16.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Culinary Arts - A.S.

The Culinary Arts associate degree program prepares students for careers in food production and other career paths where food production serves as the foundation of success. Culinary laboratory courses focus on the progressive development and practice of culinary craft skills, product identification, and cooking methods, then expands to the study of classical and contemporary techniques and flavor profiles used in the production of the major world cuisines. Students also engage in a dining and beverage service laboratory which complements the kitchen laboratory experience and provides students with a comprehensive food production and service experience.

Upon completion of the program, graduates are expected to:

- Execute professional cooking techniques and skills needed to produce, present and serve quality food and beverages utilizing ingredients and flavor profiles of the major world cuisines.
- Apply sound nutritional practices related to healthful cooking by incorporating traditional ingredients and adapting classical and contemporary techniques to yield products that meet universal recognized federal and private dietary recommendations.
- Apply FDA recommended food safety and sanitation principles to food and beverage products, tools and equipment used throughout the "flow of the food" in food and beverage operations.
- Implement cost control measures to track goods, services and costs through the cycle of cost control and to evaluate revenue and expenses and their effect on profitability.
- Communicate professionally and exhibit appropriate decision making skills with respect for individual and team diversity as it applies to the food and service industry.

Hands-on food production laboratory experiences are paired with professional studies courses resulting in a curriculum that is both dynamic and directly aligned with industry needs. Students learn to develop recipes, implement cost controls, apply food safety standards, and achieve a Conference for Food Protection approved Food Safety Manager Certification. General education courses engage students in critical thinking and communication practices that meet industry expectations.

The associate degree culminates with an internship experience where students gain industry experience which assists in their preparation for future careers. Students may engage in the internship experience at hotels, restaurants, country clubs, resorts, casinos, spas and workplace dining venues, and sites may be local, national or international if specific requirements are met.

Upon graduation, graduates of the program have the opportunity to gain employment in the food service industry or to further their education by continuing on to a Bachelor of Science degree program.

Graduates of the Culinary Arts associate degree program are eligible, or may apply, for entrance into the following Bachelor of Science degree programs: Applied Food Science (Charlotte campus only), Culinary Arts, Culinary Science & Product Development, Culinary Nutrition, Food & Beverage Entrepreneurship, Food & Beverage Industry Management, Sustainable Food Systems or Business Studies. Certain requirements pertain to each of these bachelor degree programs, which are noted in their respective program descriptions.

### Culinary Arts

A two-year program leading to an associate degree

#### Major Courses

CUL1100	Introduction to Culinary Skills and Techniques	3
CUL1210	Breakfast & Lunch Cafe	3
CUL1320	Elements of a la Minute Cooking	3
CUL1410	Contemporary Cooking & Leadership Functions	3
CUL2510	Contemporary Restaurant Operations and Management	3
CUL2610	Baking and Pastry Concepts for Culinary Operations	3
CUL2710	Banquets and Catering	3
CUL2810	Global à la Carte	3

#### Applied/Experiential Learning

CFIT2799	College of Food Innovation & Technology Intermediate Internship <sup>Ir</sup>	12
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#### Related Professional Studies

FSM1165	The Food Safety Manager *	1
FSM2045	Introduction to Menu Planning and Cost Controls	3

#### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		3
One ILS course at the 2000 level		
Mathematics		3
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
Science		3
SCI1050 Nutrition		
A&S Elective		3
One course with an EASC attribute		
Total Credits		61.0

<sup>Ir</sup> Experiential Learning credits can be applied to a number of options in addition to the 6.0 required internship. Options include, but are not limited to, study abroad, Directed Experiential Education courses, or courses in a minor as relevant. Students are strongly encouraged to contact a faculty adviser before scheduling experiential learning credits.

\* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Culinary Arts - B.S.

The Culinary Arts bachelor's degree program prepares students for the many careers that evolve from the knowledge of food, food preparation and the need for leadership competency in culinary-focused businesses. The Culinary Arts bachelor's degree provides students with an exceptional program of study that delivers a world-class culinary arts education, opportunities to explore and practice current industry trends, related professional competencies, elective credits within or outside of the major, and a required advanced food-industry experience, complemented by a comprehensive Arts & Sciences Core Experience.

Upon the completion of the program, graduates are expected to:

- Create, execute and evaluate concepts and menus applying professional craft skills and techniques utilizing conscious sourcing to maximize profits while maintaining food integrity.
- Differentiate communication strategies and leadership styles used to effectively lead a globally diverse workforce within culinary-focused businesses.
- Evaluate food safety hazards and implement corrective actions as necessary following the FDA Model Food Code and Hazard Analysis and Critical Control Point (HACCP) principles.
- Critique financial documents related to food cost, labor cost and culinary operations to safeguard an economically sustainable business.

Culinary laboratory classes offered throughout the program provide students with an opportunity to continuously develop their craft, and to develop confidence and coordination working within a professional kitchen. Credentialed faculty share their professional expertise within state-of-the-art culinary laboratories, providing an educational environment that promotes student learning and assists students in achieving their place within the culinary profession.

Professional competencies, presented in the academic classroom and practiced in upper-level laboratory class settings, include financial and human resource management, food safety, self-discipline, effective communication and other attributes necessary to effectively lead teams within food service organizations.

Elective credits, within or outside of the major, allow students to explore diverse topics within the food industry or focus their passion in a specialized area of study. The opportunities are vast and include farm-to-table cookery, baking and pastry, beverage service, brewing, sommelier, nutrition, business, professional communication and more.

One of the highlights of the Culinary Arts bachelor's degree program is the requirement to participate in an advanced industry experience within diverse, domestic or international food service operations. Students work alongside an industry professional in a food service operation, while guided by a university faculty member, allowing students to continue to develop their craft and practice professional competencies.

### Culinary Arts

A four-year program leading to a bachelor of science degree

#### Culinary Foundations

CUL1100	Introduction to Culinary Skills and Techniques	3
CUL1210	Breakfast & Lunch Cafe	3
CUL1320	Elements of a la Minute Cooking	3
CUL1410	Contemporary Cooking & Leadership Functions	3
CUL2510	Contemporary Restaurant Operations and Management	3
CUL2610	Baking and Pastry Concepts for Culinary Operations	3
CUL2710	Banquets and Catering	3
CUL2810	Global à la Carte	3

#### Major Courses

CUL3131	Chef-Driven Contemporary Casual Concepts	3
CUL3141	Corporate Dining Concepts	3
CUL3151	Chef-Driven Fine Dining Concepts	3
CUL4115	Culinary Capstone: The Professional Kitchen	3

#### Applied/Experiential Learning

CFIT4799	College of Food Innovation & Technology Advanced Internship	12
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#### Related Professional Studies

CAR0010	Career Management	1
FSM1165	The Food Safety Manager *	1
FSM2045	Introduction to Menu Planning and Cost Controls	3

FSM3035	Supervision for Food Service Professionals	3
FSM3040	Food Service Financial Systems	3
FSM3175	Advanced Food Safety, HACCP and Special Processes	3
FSM3215	Culinary Operations and Facility Management	3
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		
ENG1020	Rhetoric & Composition I	3
ENG1021	Rhetoric & Composition II	3
ENG1030	Communication Skills	3
Integrative Learning		
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		
PHIL3240	Ethics: A Global Perspective	3
One course from ART, HIST, HUM, LIT or REL		
Mathematics		
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	3
MATH2001	Statistics I	3
Science		
SCI1050	Nutrition	3
Social Sciences		
SOC3020	Culture and Food	3
One course from ANTH, ECON, GEND, LEAD, PSCI, RES, or PSYC		
A&S Electives		
Two courses with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000–4999 numbered offerings within the university		
Total Credits		122.0

\* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Culinary Nutrition - B.S.

The Culinary Nutrition bachelor's degree program builds on Johnson & Wales' history of and reputation for high-quality culinary education, and adds both didactic and applied nutrition coursework. The program begins with a focus on the craft of culinary arts or baking and pastry and continues to develop students' culinary skills while introducing the theory of nutrition and culinary science. The program prepares students for careers in restaurants, healthcare and school food service management, athlete dining in collegiate and professional settings, and any field where strong culinary skills and the ability to critically think with nutrition are valued.

Upon completion of the program, graduates are expected to:

- Apply current standard dietary guidelines to menu planning and development.
- Employ evidence-based science and best-practice principles in the creation, modification, management and preparation of specialized diets.
- Ensure food safety and quality standards by managing the flow of food through a food service operation.
- Implement budgetary controls within the food service operation.
- Create appropriate wellness-education programs for a community, work-site or public health environment.

Throughout the Culinary Nutrition program, students learn nutrition theory as applied across the life span, while exploring traditional, alternative and specialized diets. Students develop, analyze and execute nutritionally sound food that not only tastes good but adheres to current dietary guidelines. Both Registered Dietitians and credentialed chefs share their professional expertise in culinary nutrition classes throughout the program.

In addition, culinary skills and nutrition theory are complemented by coursework in both financial and personnel management and sound general studies education. The Culinary Nutrition program culminates with a required advanced internship specific to culinary nutrition where students participate in an industry experience that allows the student to apply academic theory within their chosen specialty.

## Culinary Nutrition

A four-year program leading to the bachelor of science degree

### Foundation Courses

Choose Culinary or Baking & Pastry Arts Foundation 18

### Culinary Arts

CUL1100	Introduction to Culinary Skills and Techniques	
CUL1210	Breakfast & Lunch Cafe	
CUL1320	Elements of a la Minute Cooking	
CUL1410	Contemporary Cooking & Leadership Functions	
CUL2510	Contemporary Restaurant Operations and Management	
CUL2810	Global à la Carte	

### Baking and Pastry

BPA1701	Foundations of Baking and Pastry	
BPA1710	Principles of Cake Production and Design	
BPA1720	Plated Desserts	
BPA1730	Artisan Bread & Viennoiserie I	
BPA1740	Artisan Bread & Viennoiserie II	
BPA1750	Chocolate, Confections & Mignardise	

### Major Courses

CULN1010	An Introduction to the Fields of Food, Food Service and Nutrition	1
CULN2020	Applied Culinary Nutrition	3
CULN2230	Designing Healthy Desserts *	3
or BPA2720	Artisan Cafe	
CULN3155	Vegetarian Cuisine	3
CULN4165	Therapeutic Cuisine	3
CULS2210	Food Science	3
DIET2070	Lifespan Nutrition	3
DIET3080	Community Nutrition	3
FSM3175	Advanced Food Safety, HACCP and Special Processes	3
FSM3215	Culinary Operations and Facility Management	3
Choose one of the following:		3
CULN4155	Athletic Performance Cuisine	
CULN4175	Spa Cuisine	

### Applied/Experiential Learning

CFIT4799	College of Food Innovation & Technology Advanced Internship	12
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### Related Professional Studies

CAR0010	Career Management	1
FSM1165	The Food Safety Manager **	1
FSM2045	Introduction to Menu Planning and Cost Controls	3
FSM2210	Operational Management in Healthcare	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts & Humanities		6
HIST3020	A Multicultural History of America	
One course from ART, HUM, LIT, PHIL, or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement) ***	
MATH2010	Introduction to Biostatistics	
Science		3
SCI1050	Nutrition	
Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives		6
ENG2010	Introduction to Technical Communication	
One course with an EASC attribute		

### Free Electives #

12 credits selected from 1000-4999 numbered offerings within the university	12
Total Credits	123.0

\* Baking and Pastry students must take BPA2720 Artisan Cafe.

\*\* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

\*\*\* Students interested in applying for the Dietetics and Applied Nutrition program should consider taking MATH1020 Fundamentals of Algebra (or higher, based on placement).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

# Culinary Science & Product Development - B.S.

The Culinary Science & Product Development bachelor's degree program integrates food science with culinary arts, preparing students for careers as research chefs and food technologists in product development labs, test kitchens and culinary centers.

Upon completion of the program, graduates are expected to:

- Apply the skills and techniques of culinary arts across a broad range of food products and flavor profiles.
- Design, execute, interpret and report on food science experiments while adhering to appropriate food safety guidelines.
- Use the food development process to create food products to meet the needs of consumers.
- Select appropriate food processing, food analysis and quality assurance techniques and equipment for the manufacturing of food products.

The Culinary Science & Product Development program begins with a focus on culinary or baking and pastry arts. Laboratory classes, offered throughout the program, provide students with an opportunity to continuously develop the craft. Credentialed faculty share professional expertise within state-of-the-art culinary and baking and pastry laboratories, providing an exceptional education for students. Students continue to develop their skills in a culinary or baking and pastry internship during their second year of study.

The program continues with foundational science courses that provide students with knowledge of science and the scientific method. The food product development process is introduced and reinforced in applied culinary science laboratories and the academic classroom. Topics in food regulations, labeling and food analysis prepare students for advanced coursework. Communication and presentation skills, important for succeeding in the product development industry, are stressed throughout the program and supported by an arts and sciences core curriculum.

The curriculum culminates with specifically designed culinary science courses that integrate culinary arts and basic sciences with applied food science coursework, which includes food ingredient technology, product design and development, and a required internship specific to food science, research and development or manufacturing, preparing students for careers within the profession.

## Culinary Science & Product Development

A four-year program leading to the bachelor of science degree

### Foundation Courses

Choose Culinary or Baking & Pastry Arts Foundation 18

### Culinary Arts

CUL1100	Introduction to Culinary Skills and Techniques	
CUL1210	Breakfast & Lunch Cafe	
CUL1320	Elements of a la Minute Cooking	
CUL1410	Contemporary Cooking & Leadership Functions	
CUL2710	Banquets and Catering	
CUL2810	Global à la Carte	

### Baking & Pastry Arts

BPA1701	Foundations of Baking and Pastry	
BPA1710	Principles of Cake Production and Design	
BPA1720	Plated Desserts	
BPA1730	Artisan Bread & Viennoiserie I	
BPA1740	Artisan Bread & Viennoiserie II	
BPA1750	Chocolate, Confections & Mignardise	

### Major Courses

ENG2010	Introduction to Technical Communication	3
CULS2010	Introduction to Food Product Development	3
CULS2210	Food Science	3
CULS3015	Food Ingredient Technology	3
CULS3025	Food Processing	3
CULS4035	Food Product Design and Development	3

### Applied/Experiential Learning

CFIT2799	College of Food Innovation & Technology Intermediate Internship <sup>lc</sup>	6
or CFIT2699	College of Food Innovation & Technology Intermediate Internship	
CFIT4799	College of Food Innovation & Technology Advanced Internship <sup>*</sup>	12

### Related Professional Studies

BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory	4
CAR0010	Career Management	1
CHM1000 & CHM1006	Foundations in Chemistry and Foundations in Chemistry Laboratory	4
FSM1165	The Food Safety Manager <sup>**</sup>	1
FSM2025 or FSM2045	Food and Beverage Cost Control Introduction to Menu Planning and Cost Controls	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts & Humanities		6
HIST3020	A Multicultural History of America	
One course from ART, HUM, LIT, PHIL, or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
SCI1050	Nutrition	
Social Sciences		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
CHM2050	Introduction to Organic Chemistry	
SCI1015	Introduction to Life Science	

### Free Electives<sup>#</sup>

12 credits selected from 1000-4999 numbered offerings within the university	12
<b>Total Credits</b>	<b>121.0</b>

\* Students in the culinary science program must complete an internship in food science, research and development, or manufacturing.

\*\* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

<sup>lc</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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## Culinary Sustainability - MINOR

For students and chefs who want to make a difference and be a part of the sustainability movement, the Culinary Sustainability minor is designed for them. In this area of study, students explore their local food web to meet food growers, producers and fishermen/women to learn about food system issues such as human effects on ecological systems, climate change, energy usage, animal welfare, growing conditions, the environment and society. In the kitchen, students consider solutions to these issues as they design, purchase and produce sustainably driven menus and artisan products at a high level. In the community, they learn about impacts on food policy while implementing strategic plans for organizations. Skills and concepts learned in this minor afford students the tools needed to become change agents in an industry in need of transformation.

### Culinary Sustainability

#### Minor

SFS3001	Sustainability in the Culinary Kitchen	3
SFS4001	Cultivating Local Food Systems	3
Choose three of the following: *		9
SFS3002	Ancient Grains & Hearth Breads	
SFS3144	Farm to Table Desserts	
SFS3200	Plant-Based Cuisine	
SFS3300	Conscious Cuisine	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.



# Food & Beverage Entrepreneurship - B.S.

The Food & Beverage Entrepreneurship bachelor's degree program allows students the opportunity to study an integrated mix of food and/or beverage courses, entrepreneurial and business classes, and a variety of experiential opportunities both inside and outside of the classroom. This program prepares students for careers as innovators creating and managing food- and/or beverage-related small businesses and start-ups or to work as a proponent of intrapreneurship and innovators within existing organizations. Students begin their studies focused on the craft of food, exploring and developing their passion, and then expand their focus into business and entrepreneurship studies. Throughout the course of study, students learn what it takes to begin their own food and/or beverage venture that includes developing a business plan, resource management, finance, marketing, leadership and innovation. Opportunities exist for students to engage in internship or study abroad.

Upon completion of the program, graduates are expected to:

- Evaluate human, financial and other resources in the entrepreneurial ecosystem that support or inhibit new ventures.
- Communicate effectively to diverse audiences, regarding different purposes and situations, through a variety of professional methods.
- Apply ethical principles in response to common entrepreneurial decisions and challenges.
- Develop a business plan for an innovative product or service in a food or beverage-related market.
- Analyze the sources of funding available for food and beverage-related ventures and use decision support tools to determine effective structures for early-stage investments.

## Food & Beverage Entrepreneurship

A four-year program leading to the bachelor of science degree

### Foundation Courses

Choose Culinary Arts or Baking & Pastry Arts Foundation 21

#### Culinary Arts

CUL1100	Introduction to Culinary Skills and Techniques	
CUL1210	Breakfast & Lunch Cafe	
CUL1320	Elements of a la Minute Cooking	
CUL1410	Contemporary Cooking & Leadership Functions	
CUL2510	Contemporary Restaurant Operations and Management	
CUL2610	Baking and Pastry Concepts for Culinary Operations	
FSM2045	Introduction to Menu Planning and Cost Controls	

#### Baking & Pastry Arts

BPA1701	Foundations of Baking and Pastry	
BPA1710	Principles of Cake Production and Design	
BPA1720	Plated Desserts	
BPA1730	Artisan Bread & Viennoiserie I	
BPA1750	Chocolate, Confections & Mignardise	
BPA2720	Artisan Cafe	
FSM2025	Food and Beverage Cost Control	

#### Major Courses

ENTR2001	Introduction to Entrepreneurship	3
ENTR2030	Pitching & Planning New Ventures	3
ENTR3015	Small Business Management	3
ENTR3030	Marketing for Entrepreneurs	3
ENTR4010	Change and Innovation Management	3
ENTR4055	Entrepreneurship Seminar	3
FSM1165	The Food Safety Manager *	1
FSM3035	Supervision for Food Service Professionals	3
FSM3040	Food Service Financial Systems	3
FSM3215	Culinary Operations and Facility Management	3
LAW2001	The Legal Environment of Business I	3

#### Related Professional Studies

CAR0010	Career Management	1
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#### Major Electives \*\*

Choose 12 credits of the following: 12

Any 3000 level or higher course offered from the College of Food Innovation & Technology or Entrepreneurship courses (ENTR subject code)

BPA1740	Artisan Bread & Viennoiserie II	
BPA2710	Advanced Pastry Applications	
CFIT2699	College of Food Innovation & Technology Intermediate Internship (6-12 credits)	

CFIT2799 College of Food Innovation & Technology Intermediate Internship (6-12 credits)

CUL2710	Banquets and Catering	
CUL2810	Global à la Carte	
CULN2414	Cooking for Health and Wellness	
CULS2010	Introduction to Food Product Development	
CULS2210	Food Science	

#### A&S Core Experience

Communications Foundation Courses 9

ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning 6

Two ILS courses, one at the 2000 level, one at the 4000 level

Arts & Humanities 6

PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		

Mathematics 6

MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	

Science 3

SCI1050	Nutrition	
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Social Sciences 6

ECON1002	Microeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		

A&S Electives 6

ECON1001	Macroeconomics	
One course with an EASC attribute		

#### Free Electives #

15 credits selected from 1000-4999 numbered offerings within the university 15

Total Credits 122.0

\* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

\*\* Students pursuing an associate degree in Culinary Arts or Baking & Pastry Arts must complete 12 credits of experiential learning.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Food Innovation & Technology - M.S.

The Food Innovation & Technology master's degree program explores the complexities of a global food system. The program provides an opportunity for students to analyze the impact food has on people, industries and the environment. Students employ disruptive models and technologies to challenge existing systems, products and processes, developing innovative solutions that address systemic issues.

Upon completion of the program, graduates are expected to:

- Analyze the global relationship between food, society, business, government, and the environment.
- Propose solutions to systemic food system issues that consider the perspective of all users and the potential impact to the food system.
- Organize collaborative diverse teams dedicated to solving systemic food system issues.
- Disseminate empirical research findings.

## Food Innovation & Technology

Master of Science

### Prerequisite Course \*, \*\*

LAW2001	The Legal Environment of Business I	3
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### Core Courses

FOOD5030	Shaping the Future of Food	3
FOOD6030	Food Innovation & Technology Capstone	3
HSC6110	Epidemiology and Food Safety ***	3
IDES5030	Food Systems Design Methodology	3
LAW5410	Food Law and Policy ***	3
MGMT5800	Effective Leadership	3
MGMT5575	Operations Management	3
MGMT6310	Designing & Managing Supply Chains	3
RSCH5700	Research and Inquiry	3
SOC5030	The Global Food System	3

Total Credits		30.0-33.0
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\* Course offered through the undergraduate College of Arts & Sciences.

\*\* Prerequisite courses must be completed prior to or concurrently with core courses.

\*\*\* Course may be offered online only.

# Sommelier Management - MINOR

The College of Food Innovation & Technology offers a Sommelier Management minor (15 credits) that strengthens the qualifications of graduates preparing for management careers in the beverage industry. The minor is intended to provide students with the skills and expertise to enhance their major field of studies, particularly in food service management or restaurant management. The added beverage specialization will develop students' abilities to effectively analyze, serve, sell, market and manage commercially important beverages, especially wine and spirits. There is a focus on food pairing principles, beverage menu development, server staff training, costing methodologies and inventory control systems for the purchase, storage, distribution and sales of beverages.

Online students must be of legal drinking age; 21 years of age in the US or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

## Sommelier Management

### Minor

CUL3020	Foundations of Wine	3
CUL4020	New World Wines	3
CUL4030	Old World Wines	3
CUL4185	Sommelier Capstone	3
Choose one of the following electives: *		3
CUL2010	Foundations of Fermented Foods	
CUL3030	Exploring Cheese	
CUL3082	Exploring Mead and Honey	
CUL3092	Brewing Arts	
CUL3093	Coffee, Tea and Non-alcoholic Beverage Specialist	
CUL3270	Volcanic Island Wines: The Azores and Madeira #	
CUL3900	Exploring Ciders and Fruit Wines	
CUL4045	Spirits and Mixology Management	
CUL4416	British Practical Brewing #	
CUL4963	Sommelier Training #	
FSM4070	The Business of Alcohol Distribution, Retail and Sales	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

# Study abroad course

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Sustainable Food Systems - B.S.

The bachelor's degree in Sustainable Food Systems is designed for ecologically-minded students who want to join the wave of change to transform industrial food systems into more resilient, self-renewing, dynamic networks for local to global communities, economies and environments. The program explores the local food web through farm and dock visits and cooking in the professional kitchen while investigating food literacy, culture, public health and food policy. Emphasis is placed on examining the local food web, social structures, and supply chains in relation to the economic realities of food production. A host of free elective credits give students the ability to focus on and further explore areas of environmental sustainability, policy and advocacy, culinary sustainability, public health, supply chain management or writing for development. This experientially-based program takes place at the intersection of social food justice, environmental protection, economic sovereignty and policy, and provides an interdisciplinary framework for students to explore their local food web from diverse perspectives.

Upon the completion of the program, graduates are expected to:

- Analyze the effects of change and policy on food systems.
- Apply agricultural food production, sustainable food practices and cuisine concepts to food system issues.
- Advocate for sustainable food systems to various audiences.
- Propose solutions to issues related to the sustainability of food systems.

## Sustainable Food Systems

A four-year program leading to the bachelor of science degree

### Foundation Courses

Choose Culinary or Baking & Pastry Foundation	12
Culinary	

CUL1100	Introduction to Culinary Skills and Techniques (Foundation Courses)	
CUL1210	Breakfast & Lunch Cafe	
CUL1320	Elements of a la Minute Cooking	
CUL1410	Contemporary Cooking & Leadership Functions	

### Baking and Pastry (21 credits)\*

BPA1701	Foundations of Baking and Pastry	
BPA1710	Principles of Cake Production and Design	
BPA1720	Plated Desserts	
BPA1730	Artisan Bread & Viennoiserie I	
BPA1740	Artisan Bread & Viennoiserie II	
BPA1750	Chocolate, Confections & Mignardise	
BPA2720	Artisan Cafe	

### Major Courses

SFS1001	Introduction to Food Systems	3
SFS2110	Culinary Science, Nutrition & Sensory Analysis	3
SFS2210	Cooking from the Farmstand	3
SFS2410	Growing for the Menu	3
SFS2411	Cooking for Regenerative Foodways	3
SFS3001	Sustainability in the Culinary Kitchen	3
SFS4110	Health & the Harvest	3
SFS4280	Capstone Seminar in Sustainable Food Systems	3

### Applied/Experiential Learning

CFIT4799	College of Food Innovation & Technology Advanced Internship**	12
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### Related Professional Studies

CAR0010	Career Management	1
FSM1165	The Food Safety Manager***	1
FSM2045	Introduction to Menu Planning and Cost Controls	3
HSC1230	Introduction to Public Health	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts & Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	

MATH2001	Statistics I	
Science		3
SCI1050	Nutrition	
Social Sciences		6
SOC3020	Culture and Food	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or PSYC		
A&S Electives		6
PSCI1001	Introduction to Political Science	
SCI1010	Environmental Science	
<b>Free Electives**</b>		
24 credits selected from 1000-4999 numbered offerings within the university****		24
<b>Total Credits</b>		<b>122.0</b>

- \* Students choosing Baking and Pastry Arts Foundation courses will use 9 credits of free electives towards the baking lab requirements and have 15 credits of free electives required.
- \*\* Students in the Sustainable Food Systems program must complete an internship relevant to their area of study in sustainable food systems, including: food production, supply chain management, public health, policy and advocacy, or other related field.
- \*\*\* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.
- \*\*\*\* Students may choose to enhance their major by selecting from minors such as Culinary Sustainability, Environmental Sustainability, or Public Health; or courses within one or more of the areas of focus below; or work with an adviser to design their own experience. Students are responsible for meeting prerequisites.

### Policy & Advocacy Focus This focus is only offered at the Providence Campus

PSCI2050	Political Communications	3
PSCI2100	Comparative Politics and Government	3
PSCI3300	Politics of Food, Human Security and Social Justice	3
PSCI3350	Political Parties, Social Movements and Interest Groups	3
PSCI4100	Issues in Political Theory: The Politics of Human Rights in Global Perspective	3
<b>Total Credits</b>		<b>15.0</b>

### Writing for Development Focus This focus is only offered at the Providence Campus

ENG2010	Introduction to Technical Communication	3
ENG3010	Technical Editing	3
ENG3016	Advanced Business Communication	3
<b>Total Credits</b>		<b>9.0</b>

### Supply Chain Management Focus

FIT1040	Spreadsheet Design for Business Solutions	3
MGMT2030	Operations and Supply Chain Management I	3
MGMT3035	Operations and Supply Chain Management II	3
MGMT3040	Process and Quality Management	3
MGMT3045	Logistics	3
or		
MGMT4050	Contemporary Issues in Operations and Supply Chain Management Strategy	3
<b>Total Credits</b>		<b>18.0</b>

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

# Professional Craft Brewing - Certificate

The Professional Craft Brewing certificate program is designed for working professionals or hobbyists looking to enter the craft brewing industry, to advance within their professional roles, or to open their own craft brewery. The program's mix of coursework provides students with a broad understanding of the issues facing the craft brewing industry, detailed knowledge of brewing theory, and hands-on experience working in commercial craft breweries.

Upon successful completion of the initial courses, students have the opportunity to apply their theoretical brewing knowledge in real-world settings, and to develop, craft and serve their own original recipes. Individual courses provide the preparation to sit for a variety of internationally recognized industry certifications, and the entirety of the certificate program prepares students to sit for the Institute of Brewing and Distilling's "General Certificate in Brewing," an NVQ level 3 achievement.

With the successful completion of the certificate, students are able to demonstrate the ability to design, formulate and brew beer recipes that meet generally accepted standards and reflect the characteristics of primary beer styles. This certificate prepares candidates for a career in a variety of entry-level positions within mid-sized breweries, or assistant brewer positions within smaller breweries, across the industry. This program serves to enhance advancement and development of opportunities for those already in the field, or to provide a means for avid home brewers to hone their knowledge and skills to enter the industry professionally.

This program allows students to choose the delivery format that best suits their needs and location — either fully in person on our campus, fully online from their own location, or a combination of both. Students may also choose a three-week study abroad course in the UK as a component of either program.

**NOTE:** Students who enroll in this certificate program are ineligible for financial aid. Veterans may be eligible to apply benefits towards tuition and fees. Contact the Financial Planning office for options. Costs for this program do not include any additional costs or fees, such as travel or supplies.

## Professional Craft Brewing

A 15 semester-credit-hour program leading to the Professional Craft Brewing Certificate

Courses		
CUL3092	Brewing Arts <sup>*,**</sup>	3
CUL4419	Brewery Operations and Planning	3
CUL4460	Advanced Brewing Theory and Analysis <sup>*</sup>	3
FSM4070	The Business of Alcohol Distribution, Retail and Sales	3
Choose 3 credits from the following:		3
CUL4416	British Practical Brewing (Study Abroad) <sup>*</sup>	
CUL4417	Applied Craft Brewing Capstone	
CFIT4799	College of Food Innovation & Technology Advanced Internship	
Total Credits		15.0

\* Online students must be of legal drinking age; 21 years of age in the US or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

\*\* Students who have successfully passed the Certified Beer Server (Level 1 Cicerone) exam, or who can demonstrate sufficient knowledge and experience through a departmental challenge exam, may be eligible to substitute an approved elective course for this prerequisite foundations course. The challenge exam will incur an exam fee, assess both written and practical sensory skills, and must be scheduled in advance. Approved electives may include CUL2010 Foundations of Fermented Foods, CUL3020 Foundations of Wine, CUL3030 Exploring Cheese, CUL3082 Exploring Mead and Honey, CUL3900 Exploring Ciders and Fruit Wines or CUL4080 Beer Sommelier Capstone.

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# College of Health & Wellness

## Undergraduate

- **Bachelor of Science (B.S.) Degree**
  - Dietetics and Applied Nutrition (p. 146)
  - Exercise and Sports Science (p. 147)
  - Health Science (p. 148)
  - Healthcare Administration (p. 86)
  - Public Health (p. 153)
- **Minor**
  - Nutrition (p. 150)
  - Public Health (p. 155)

## Graduate

- **Master of Science in Physician Assistant Studies (M.S.P.A.S.)**
  - Physician Assistant Studies (p. 152)
- **Occupational Therapy Doctorate (O.T.D.)**
  - Occupational Therapy Doctorate (p. 151)

# Dietetics and Applied Nutrition - B.S.

The Dietetics and Applied Nutrition bachelor of science degree program is an Accreditation Council for Education in Nutrition and Dietetics (ACEND) accredited Didactic Program in Dietetics (DPD). This program prepares students for entry into a variety of positions in the fields of clinical, community, food service and health promotion, often as a Registered Dietitian/Nutritionist (RD/RDN).

The program prepares students to be able to translate the scientific literature when problem solving around food production, nutritional counseling on healthy eating practices, and managing diverse populations. This is done through a combination of traditional academic means, as well as with Johnson & Wales' unique culinary nutrition, experience-based cooking labs. Students develop nutrition care plans and learn nutritional diagnostic skills, as well as refine sensory evaluation techniques.

Graduates of the Dietetics and Applied Nutrition program are prepared to work in settings such as hospitals, long-term care facilities and health clinics, as well as in nontraditional industries such as food product research and development, school food service, sports nutrition with collegiate and professional teams, recipe testing, food writing and the private chef industry.

Following the completion of the bachelor's degree program and the receipt of a DPD verification statement, students are qualified to apply to a supervised dietetic internship program and then sit for the national exam to become a registered dietitian (RD) in the United States.

Upon completion of the program, graduates are expected to:

- Integrate scientific information and research into scientific and evidenced based practice.
- Demonstrate the beliefs, values, attitudes and behaviors for a professional level of practice.
- Perform customer services including the development and delivery of information, products and services to individuals, groups and populations.
- Apply the strategic principles of management and systems in the provision of services to individuals and organizations.

The Dietetics and Applied Nutrition degree is accredited by

The Accreditation Council for Education in Nutrition (ACEND) of the Academy of Nutrition and Dietetics  
120 South Riverside Plaza, Suite 2190  
Chicago, IL 60606-6995  
800-877-1600, ext. 5400

[eatright.org/acend](http://eatright.org/acend)

ACEND provides standards of education meeting required dietetics coursework leading to a bachelor's degree. Such a program is called a Didactic Program in Dietetics (DPD). The Dietetics and Applied Nutrition degree program meets those standards.

## Dietetics and Applied Nutrition

A four-year program leading to the bachelor of science degree

### Foundation Courses

Choose Culinary or Baking & Pastry Arts Foundation 12

Culinary	
CUL1100	Introduction to Culinary Skills and Techniques
CUL1210	Breakfast & Lunch Cafe
CUL1320	Elements of a la Minute Cooking
CUL1410	Contemporary Cooking & Leadership Functions

Baking & Pastry (18 credits) *	
BPA1701	Foundations of Baking and Pastry
BPA1710	Principles of Cake Production and Design
BPA1720	Plated Desserts
BPA1730	Artisan Bread & Viennoiserie I
BPA1740	Artisan Bread & Viennoiserie II
BPA1750	Chocolate, Confections & Mignardise

Major Courses		
CULN2020	Applied Culinary Nutrition	3
CULN2230	Designing Healthy Desserts **	3
	or BPA2720	Artisan Cafe
CULN3155	Vegetarian Cuisine	3
CULN4165	Therapeutic Cuisine	3
CULS2210	Food Science	3

DIET2070	Lifespan Nutrition	3
DIET3030	Nutrition Assessment	3
DIET3080	Community Nutrition	3
DIET4030	Medical Nutrition Therapy	3
DIET4630	Advanced Medical Nutrition Therapy	3

### Related Professional Studies

BIO1011	General Biology - Cellular	3
BIO1016	General Biology Laboratory - Cellular	1
BIO2041	Human Physiology	3
BIO2046	Human Physiology Laboratory	1
BIO2201	General Microbiology	3
BIO2206	General Microbiology Laboratory	1
CAR0010	Career Management	1
CHM1000	Foundations in Chemistry	3
CHM1006	Foundations in Chemistry Laboratory	1
CULN1010	An Introduction to the Fields of Food, Food Service and Nutrition	1
ENG2010	Introduction to Technical Communication	3
FSM1165	The Food Safety Manager	1
FSM2045	Introduction to Menu Planning and Cost Controls	3
FSM2210	Operational Management in Healthcare	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	

Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		

Arts and Humanities		6
HIST3020	A Multicultural History of America	
One course from ART, HUM, LIT, PHIL or REL		

Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2010	Introduction to Biostatistics	

Science		3
SCI1050	Nutrition	

Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		

A&S Electives		6
CHM2050	Introduction to Organic Chemistry	
CHM3040	Biochemistry	

Free Electives #,*		12
12 credits selected from 1000-4999 numbered offerings within the university		
Total Credits		124.0

\* Students choosing Baking & Pastry Arts Foundation courses use 6 credits of free electives toward the baking lab requirements.

\*\* Baking & Pastry students must take BPA2720 Artisan Cafe.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?



# Exercise and Sports Science - B.S.

The Exercise and Sports Science bachelor's degree program provides a scientific understanding of the mechanics of exercise, its synergies with nutrition and its influence on body systems. Graduates qualify for a variety of occupations such as recreational therapy, exercise physiology, medical program coordination, athletic training and rehabilitation. Graduates may also choose to matriculate to graduate programs like physician assistant, occupational therapist, physical therapist, athletic training or others.

Upon completion of the program, graduate are expected to:

- Apply concepts from the sciences to explain the interrelationships between exercise, metabolism and performance.
- Explain the importance of exercise as a determinant of health.
- Prescribe appropriate exercise interventions considering characteristics of the individual and the goal.
- Compare the appropriateness of various eating patterns for a variety of exercise types.
- Adapt exercise plans for a variety of ages and conditions.

## Exercise and Sports Science

A four-year program leading to the bachelor of science degree

### Major Courses

DIET2020	Sports Nutrition	3
ESS2010	Kinesiology	3
ESS2015	Kinesiology Laboratory	1
ESS2320	Exercise Physiology	3
ESS3010	Exercise Assessment and Prescription	3
ESS3015	Exercise Assessment and Prescription Laboratory	1
ESS4010	Human Performance	3
ESS4015	Human Performance Laboratory	1
ESS4030	Exercise for Special Populations	3
HSC1010	Introduction to Health Professions	1
HSC1020	Medical Terminology	1
HSC1230	Introduction to Public Health	3
HSC2400	Research Methods for Health Science	3
HSC4900	Data and Evidence in Health: Research Capstone	3

### Applied/Experiential Learning

CHW4799	College of Health & Wellness Internship <sup>lc</sup>	3
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### Related Professional Studies

BIO1011	General Biology - Cellular	3
BIO1016	General Biology Laboratory - Cellular	1
BIO1022	General Biology - Organismal	3
BIO1026	General Biology Laboratory - Organismal	1
BIO2003	Human Anatomy and Physiology I	3
BIO2006	Human Anatomy and Physiology I Laboratory	1
BIO2013	Human Anatomy and Physiology II	3
BIO2016	Human Anatomy and Physiology II Laboratory	1
CAR0010	Career Management	1
CHM1011	General Chemistry I	3
CHM1016	General Chemistry I Laboratory	1
CHM1022	General Chemistry II	3
CHM1026	General Chemistry II Laboratory	1
CULN2414	Cooking for Health and Wellness	3
PHY1011	General Physics I	3
PHY1016	General Physics I Laboratory	1
PHY1022	General Physics II	3
PHY1026	General Physics II Laboratory	1

### A&S Core Courses

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		6
MATH1030	Precalculus (or higher, based on student's placement) <sup>*</sup>	
MATH2001	Statistics I	
or MATH2010	Introduction to Biostatistics	

Science		3
SCI1050	Nutrition	
Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives		6
PSYC2030	Developmental Psychology	
One course with an EASC attribute		
<b>Free Electives<sup>#</sup></b>		
9 credits selected from 1000-4999 numbered offerings within the university		9
Total Credits		122.0

\* Students that do not place in MATH1030 Precalculus, will need to take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this will count as an A&S elective.

lc Typically, internships require a minimum of three credits. Students interested in a 6, 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Health Science - B.S.

The Health Science bachelor's degree program prepares graduates for entry-level health-profession careers in such areas as health science, health promotion, public health, and health and policy administration. Additionally, it prepares graduates seeking postbaccalaureate entry into graduate programs such as physician assistant studies, physical therapy, occupational therapy, public health, counseling, general MBA and health informatics.

The curriculum is based on a strong foundation in the basic sciences along with the core public health subject areas. Content in the areas of health and wellness is emphasized. An interdisciplinary team of educators provides a holistic exposure to nutrition, exercise science, psychology, sociology, public health and economics, and their importance to patient-centered, humanistic healthcare delivery.

The Health Science degree emphasizes the application and synthesis of knowledge and develops graduates who are the problem solvers and critical thinkers of tomorrow.

Upon completion of the program, graduates are expected to:

- Apply fundamental biologic, socio-economic, behavioral, ethical, cultural and spiritual principles to the practice of health and wellness.
- Synthesize foundational knowledge and the results of inquiry and research.
- Effectively communicate health and wellness principles to diverse populations.
- Employ discipline appropriate tools, methods, and analytical approaches to study a problem/opportunity in public health research or practice.
- Work collaboratively as a member of a health and wellness team to improve individual and community outcomes.

The Health Science or pre-professional pathway contains specific physical science courses in biology, anatomy, physiology and chemistry. In consultation with their adviser, students choose additional courses that will prepare them for their individual career goals. Students in health science are prepared for jobs in medicine and research or for applying to graduate and professional schools in a number of areas.

## Health Science

A four-year program leading to the bachelor of science degree

### Major Courses

BIO1011	General Biology - Cellular	3
BIO1016	General Biology Laboratory - Cellular	1
BIO1022	General Biology - Organismal	3
BIO1026	General Biology Laboratory - Organismal	1
BIO2003	Human Anatomy and Physiology I	3
BIO2006	Human Anatomy and Physiology I Laboratory	1
BIO2013	Human Anatomy and Physiology II	3
BIO2016	Human Anatomy and Physiology II Laboratory	1
HSC1010	Introduction to Health Professions	1
HSC1100	Determinants of Health	3
HSC1230	Introduction to Public Health	3
HSC2100	Epidemiology	3
HSC2400	Research Methods for Health Science	3
HSC4900	Data and Evidence in Health: Research Capstone	3

### Major Electives

Choose 17-18 credits from the following: 17-18

BIO2201 & BIO2206	General Microbiology and General Microbiology Laboratory	
BIO3400	Fundamentals of Pharmacology	
CHM2050 & CHM2056	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory	
CHM3040 & CHM3046	Biochemistry and Biochemistry Laboratory	
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	
PHY1022 & PHY1026	General Physics II and General Physics II Laboratory	
PSYC2002	Abnormal Psychology	
PSYC2030	Developmental Psychology	
SOC1001	Sociology I	
SOC2005	Honors Seminar: Social Inequalities	
SOC2035	Sociology of Aging	
Major Elective†	Choose 3 credits from Major Electives †	

### Applied/Experiential Learning

Choose 6 credits from the following: 6

CHW4799	College of Health & Wellness Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		

### Related Professional Studies

CAR0010	Career Management	1
CHM1011	General Chemistry I	3
CHM1016	General Chemistry I Laboratory	1
CHM1022	General Chemistry II	3
CHM1026	General Chemistry II Laboratory	1
CULN2414	Cooking for Health and Wellness	3

### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1030	Precalculus (or higher, based on student's placement)**	
MATH2010	Introduction to Biostatistics	
Science		3
SCI1050	Nutrition	
Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		

### Free Electives #

12 credits selected from 1000-4999 numbered offerings within the university 12

Total Credits 121.0-122.0

\* Students selecting to focus in Occupational Therapy, Physical Therapy or Physician Assistant should consult with their faculty advisor prior to registration.

\*\* Students that do not place in MATH1030 Precalculus, will need to take an extra course, MATH1020 Fundamentals of Algebra, as a prerequisite. If needed this will count as an A&S elective.

### † Major Electives for Health Science Majors

(Students are responsible for meeting prerequisites. Courses already required in a student's program cannot be selected to fulfill the major elective.)

Health/Science		
HSC2230	Introduction to Global Health	3
HSC3200	Health Education and Program Planning	3
HSC3300	Comparative Healthcare Systems	3
HSC4100	Health Policy, Ethics and the Law	3
SCI1015	Introduction to Life Science	3
SCI2020	Introduction to Exercise Physiology	3
Leadership/Management		
ACCT1210	Financial Accounting	3
ACCT1220	Managerial Accounting	3
BUS1001	Introduction to Business and Management	3
ECON1001	Macroeconomics	3
ECON1002	Microeconomics	3
FISV2000	Finance	3
MGMT2001	Human Resource Management	3
Social/Behavioral		
CSLG2030	Counseling Theories and Techniques	3
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors	3
PSYC2100	Health Psychology	3

<sup>1c</sup> Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education

courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Nutrition - MINOR

The Nutrition minor provides students with a solid foundation of nutrition science and the complex relationship between food and health. This minor exposes students to nutrition and health promotion, nutritional epidemiology and the significance of nutrition throughout the lifecycle. Students develop a critical awareness of diversity and cultural competency as well as the application of nutrition science in a culinary nutrition lab.

Offered by the College of Health & Wellness, this minor is open to all students except Dietetics & Applied Nutrition majors and Culinary Nutrition majors.

### Nutrition

#### Minor

DIET2070	Lifespan Nutrition	3
DIET3080	Community Nutrition	3
SCI1050	Nutrition	3
Choose one of the following: *		3
CULN2414	Cooking for Health and Wellness	
CULS2210	Food Science	
SFS2110	Culinary Science, Nutrition & Sensory Analysis	
Choose one of the following: *		3
DIET2020	Sports Nutrition	
SCI2020	Introduction to Exercise Physiology	
SFS1001	Introduction to Food Systems	
SOC3020	Culture and Food	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Occupational Therapy Doctorate - OTD

The entry-level Occupational Therapy Doctorate degree program is for students with an earned baccalaureate degree, who have completed explicit prerequisites, to enter the profession of occupational therapy. Students receive an entry-level practice degree at the clinical doctoral level. The doctoral degree in the profession includes extensive education and training in normal development, structure, function and impairments in body systems and body functions, and participation problems, concerns and solutions. There is also work focused on advanced practice including clinical reasoning, occupational therapy theory, evidence-based practice, research, and advocacy and leadership. Graduates are prepared to work with individuals, groups, communities and populations to implement programs inclusive of occupational therapy services. Inter- and intra-professional education and practice models are emphasized. The culminating project is the degree outcome.

Upon completion of the program, graduates are expected to:

- Assist clients with maximizing health, well-being, and quality of life through interventions that support normal human development and functioning.
- Provide effective client-centered solutions utilizing evidence-based practice.
- Facilitate and support client participation in occupations.
- Practice collaborative leadership as an occupational therapy professional.

## Occupational Therapy Doctorate

Occupational Therapy Doctorate (OTD)

### Core Courses

OTD7020	Foundations of Occupational Therapy	2
OTD7030	Human Occupations and Participation Across the Lifespan	2
OTD7060	Occupational Perspective on Health	3
OTD7070	Introduction to Fieldwork	1
OTD7110	Kinesiology	4
OTD7130	Occupational Therapy Assessment and Theory Across the Lifespan	3
OTD7160	Human Conditions I	3
OTD7170	Occupational Performance and Participation in Groups	3
OTD7190	Research I	3
OTD7210	Neuroscience	4
OTD7260	Human Conditions II	3
OTD8140	Healthcare Systems and Policy	3
OTD8210	Management and Entrepreneurship	3
OTD8215	Introduction to Capstone I	2
OTD8220	Research II	3
OTD8240	Occupational Therapy Practice I	6
OTD8250	Occupational Therapy Practice II	6
OTD8270	Technology & Innovation in Occupational Therapy	3
OTD8310	Leadership and Advocacy	3
OTD8315	Introduction to Capstone II	2
OTD8320	Research III	3
OTD8330	Theoretical and Clinical Reasoning in Context	3
OTD8340	Teaching and Learning in Occupational Therapy	3
OTD8350	Contemporary Concepts in Occupational Therapy	3
OTD8360	Occupational Therapy Practice III	6
OTD8370	Occupational Therapy Practice IV	6
OTD9810	Level IIA Fieldwork	9
OTD9860	Level IIB Fieldwork	9
OTD9910	Doctoral Capstone Project	3
OTD9920	Doctoral Capstone Experience	10
Total Credits		117.0

# Physician Assistant Studies - M.S.P.A.S.

The Physician Assistant Program at Johnson & Wales University is a 24-month, 104-credit, full-time course of study. The program is offered at the university's Providence, Rhode Island, campus. One new class is enrolled each year which begins in the summer graduate term. Upon successful completion, a Master of Science in Physician Assistant Studies is awarded.

The first 12 months of the program are devoted to preclinical studies, and the remaining 12 months to clinical experiences in primary care and medical and surgical specialties.

The summer semester provides a foundation upon which the following fall and spring body system courses are constructed. In Applied Anatomy, small groups of students dissect cadavers, view prosections and utilize virtual anatomy software to learn gross anatomic structures that are essential to the understanding of medicine and the practice of general surgery. Applied Anatomy is integrated with Patient Care I where techniques specific to the adult history and physical examination are taught; the anatomy of a body system immediately precedes the lectures and practice labs where students learn the physical examination skills required to examine that same area of the body.

In Foundations of Medicine, students are introduced to the basics of cell physiology and genetics that are essential to the understanding of pathophysiologic mechanisms of disease and clinical medicine. A primer in microbiology and immunology prepares students for the study of infectious disease and the basics of pharmacology are a prelude to courses in pharmacotherapeutics.

Three semesters of Professional and Health Policy Issues commences in the summer with discussions ranging from the history of the PA profession, types of healthcare settings, healthcare and public health policy to the expectations of a medical workplace relative to ethical and professional behavior. Students explore the role that diet has on health and wellness across the lifespan in the Food is Medicine course series, including practical application of the principles in culinary labs.

Fall and spring courses in Clinical Medicine are body-system based encompassing all aspects of clinical medicine, diagnostic skills and pharmacotherapeutics for the particular body-system. Students work sequentially through each body system course, one at a time, learning the physiology, pathophysiology, clinical medicine, evidence-based medicine, diagnostic skills and treatment specific to that system. In Patient Care, students learn the history and physical examination skills specific to the body system being studied in that course. In weekly small-group meetings, they develop the critical thinking skills necessary to synthesize and apply the course content to real patient cases. Seminars in the practice of humanistic medicine will begin a lifelong journey as a self-reflective and empathetic, patient-centered healthcare provider. The final systems course is Emergency Medicine which includes an introduction to clinical practice. Students learn skills they will apply during their clinical rotations; they are taught phlebotomy and injection skills and how to suture, knot-tie, perform surgical scrubbing and gowning and apply splints.

The second 12 months of the program provides the experiential learning in nine clinical rotations. Each rotation is five weeks in length. These rotations occur at off-campus clinical sites (hospitals, community health centers, medical offices, etc.) to be developed by program faculty and administrators. The seven required rotations include Family Medicine, Internal Medicine, Pediatric Medicine, Women's Health, Behavioral and Mental Health, Emergency Medicine, and Surgery. There are two five-week electives that allow students to further develop skills in the area in which they plan to practice.

The Master's Course runs the length of the clinical year. It includes lectures and discussions that prepare students for the Physician Assistant National Certification Examination, job searches and clinical practice. In the spring semester, this Master's Course culminates with the summative evaluation that ensures the student possesses the knowledge, interpersonal skills, patient care skills and professionalism required for entry into the profession.

Upon completion of the program, graduates are expected to:

- Develop rapport and an atmosphere of trust with patients and families while providing patient centered humanistic care.
- Recommend and perform clinical procedures for common medical disorders.

- Utilize and apply evidence-based medicine principles and skills to guide decision making in clinical practice.
- Engage and employ lifelong learning skills through ongoing self-reflection, active engagement, and professional development.
- Utilize effective interpersonal skills in oral and written communication with patients and families and work collaboratively with members of the healthcare team.
- Accurately elicit a medical history, perform a physical examination, formulate a differential diagnosis, and appropriately select and interpret diagnostic studies to diagnose medical conditions.
- Develop and manage appropriate treatment plans for preventative, acute, chronic and emergent disorders of patients across the lifespan
- Conduct oneself in a professional and ethical manner consistent with the role and responsibilities of a physician assistant.

## Physician Assistant Studies

### Master of Science in Physician Assistant Studies

#### Year 1: Didactic Year

PAS5110	Applied Anatomy	4
PAS5200	Foundations of Medicine	4
PAS5325	Patient Care I	4
PAS5345	Professional and Health Policy Issues I	2
PAS5425	Patient Care II	3
PAS5456	Professional and Health Policy Issues II	1.5
PAS5470	Introduction to Evidence-Based Practice	1
PAS5480	Food is Medicine I	1
PAS5510	Clinical Hematology and Infectious Disease	2
PAS5525	Clinical EENT	2
PAS5540	Clinical Pulmonology	3
PAS5565	Clinical Dermatology	1
PAS5580	Clinical Cardiology	4
PAS5590	Clinical Gastroenterology	3
PAS5736	Patient Care III	3
PAS5767	Professional and Health Policy Issues III	1.5
PAS5782	Food is Medicine II	1
PAS5810	Clinical Nephrology and Urology	3
PAS5825	Clinical Orthopedics and Rheumatology	3
PAS5840	Clinical Neurology and Behavioral Medicine	3
PAS5860	Clinical Endocrinology	2
PAS5880	Clinical Gynecology and Obstetrics	3
PAS5890	Clinical Pediatrics	3
PAS5910	Emergency Medicine	2
PAS5930	Problem-Based Learning	2.5

#### Year 2: Clinical Year

PAS6200	Family Medicine Clinical Course	4.5
PAS6250	Internal Medicine Clinical Course	4.5
PAS6300	Pediatric Medicine Clinical Course	4.5
PAS6350	Women's Health Clinical Course	4.5
PAS6400	Emergency Medicine Clinical Course	4.5
PAS6450	Behavioral and Mental Health Clinical Course	4.5
PAS6500	Surgery Clinical Course	4.5
PAS6600	Clinical Elective Course I	4.5
PAS6700	Clinical Elective Course II	4.5
PAS6800	Master's Course*	1

Total Credits 104.0

\* This course spans the clinical year; credit is awarded only in the spring semester.

## Public Health - B.S.

The Public Health bachelor's degree program prepares graduates for entry-level health-profession careers in such areas as health education, health promotion, research, monitoring and evaluation, and health and policy administration. Additionally, it prepares graduates seeking post-baccalaureate entry into graduate programs such as public health, public policy, health management, law and health informatics. Students can take additional electives in management that can help to prepare graduates for entry-level health-profession careers in such areas as health administration and management, consulting, quality improvement in healthcare, and policy administration.

The curriculum is based on a strong foundation in the population health sciences along with coursework in the arts and sciences. Content in the areas of health and wellness is emphasized. An interdisciplinary team of educators provides holistic exposure to nutrition, exercise science, psychology, sociology, public health, business and economics, and their importance to patient-centered, humanistic healthcare delivery.

The Public Health degree program emphasizes the application and synthesis of knowledge and develops graduates who are the problem-solvers and critical-thinkers of tomorrow in both domestic and global health systems and communities.

Upon completion of the program, graduates are expected to:

- Apply fundamental biologic, socio-economic, behavioral, ethical, cultural and spiritual principles to the practice of health and wellness.
- Synthesize foundational knowledge and the results of inquiry and research.
- Effectively communicate health and wellness principles to diverse populations.
- Work collaboratively as a member of a health and wellness team to improve individual and community outcomes.
- Compare and discuss major local, national and global health challenges related to healthcare access and outcomes.

Public Health students take basic science courses in anatomy and physiology, exercise physiology and life science. Courses examine patterns of population health and disease, the organization and social structures through which health services are delivered/received, and community needs assessment and planning. Additional emphasis is placed on courses in counseling, health education, psychology and health policy. In consultation with advisers, students may select courses that specifically prepare them for positions in the public health arena, such as health policy analysts, consultants, health promotion coordinators and educators, and a variety of jobs in both state and federal government.

### Public Health

A four-year program leading to the bachelor of science degree

#### Major Courses

CULN2414	Cooking for Health and Wellness	3
HSC1010	Introduction to Health Professions	1
HSC1100	Determinants of Health	3
HSC1230	Introduction to Public Health	3
HSC2100	Epidemiology	3
HSC2230	Introduction to Global Health	3
HSC2400	Research Methods for Health Science	3
HSC3300	Comparative Healthcare Systems	3
HSC4100	Health Policy, Ethics and the Law	3
HSC4900	Data and Evidence in Health: Research Capstone	3
PSYC2002	Abnormal Psychology	3
SCI1015	Introduction to Life Science	3
SCI2020	Introduction to Exercise Physiology	3
SCI2031	Anatomy and Physiology	3

#### Major Electives

Choose 18 credits from the following: \*

Health Science		
BIO1011 & BIO1016	General Biology - Cellular and General Biology Laboratory - Cellular	
BIO2021 & BIO2026	Functional Human Anatomy and Functional Human Anatomy Laboratory	
BIO2041 & BIO2046	Human Physiology and Human Physiology Laboratory	
BIO3400	Fundamentals of Pharmacology	

CHM1011 & CHM1016	General Chemistry I and General Chemistry I Laboratory	
CHM2050 & CHM2056	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory	
CHM3040 & CHM3046	Biochemistry and Biochemistry Laboratory	
DIET3080	Community Nutrition	
HSC3200	Health Education and Program Planning	
PHY1011 & PHY1016	General Physics I and General Physics I Laboratory	
PHY1022 & PHY1026	General Physics II and General Physics II Laboratory	
Leadership/Management		
ACCT1210	Financial Accounting	
ACCT1220	Managerial Accounting	
BUS1001	Introduction to Business and Management	
ECON1001	Macroeconomics	
ECON1002	Microeconomics	
FISV2000	Finance	
FIT1040	Spreadsheet Design for Business Solutions	
LEAD1010	Foundations of Leadership Studies	
MGMT2001	Human Resource Management	
Social/Behavioral		
ANTH1050	Cultural Anthropology	
PSYC2030	Developmental Psychology	
PSYC2040	Psychological Issues of Substance Use Disorders and Compulsive Behaviors	
PSYC2100	Health Psychology	
SOC2035	Sociology of Aging	
<b>Applied/Experiential Learning</b>		
Choose 6 credits from the following:		6
CHW4799	College of Health & Wellness Internship <sup>1c</sup>	
DEE3999	Directed Experiential Education <sup>D</sup>	
Study Abroad		
<b>Related Professional Studies</b>		
CAR0010	Career Management	1
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2010	Introduction to Biostatistics	
Science		3
SCI1050	Nutrition	
Social Sciences		6
PSYC1001	Introductory Psychology	
One course from ANTH, ECON, GEND, LEAD, PSCI, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives<sup>#</sup></b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		122.0

\* Students are responsible for meeting prerequisites.

<sup>1c</sup>Typically, internships require a minimum of six credits. Students interested in a 9 or 12-credit internship can apply additional experiential learning and free elective credits, if available. Students are strongly encouraged to contact a faculty adviser before scheduling internship and free elective credits.

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

<sup>#</sup> In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply.



Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. *Where will you go?*

## Public Health - MINOR

The Public Health minor provides students with the fundamental knowledge of the principles of public health and application of epidemiological methods as it relates to population health. This minor provides students who are interested in complementing their major with the basic framework of public health and the tools necessary to explore the introductory nature of the determinants of health and population health.

### Public Health

#### Minor

HSC1230	Introduction to Public Health	3
HSC2100	Epidemiology	3
Choose three of the following:*		9
HSC2230	Introduction to Global Health	
HSC3200	Health Education and Program Planning	
HSC3300	Comparative Healthcare Systems	
HSC3500	Current Issues in Health	
HSC4100	Health Policy, Ethics and the Law	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# College of Hospitality Management

## Undergraduate

- **Bachelor of Science (B.S.) Degree**
  - Adventure, Sport, and Sustainable Tourism Management (p. 157)
  - Beverage Sales & Marketing Management (p. 159)
  - Food & Beverage Industry Management (p. 160)
  - Food & Beverage Industry Management (2+2 program) (p. 162)
  - Hospitality Management (p. 163)
  - Hotel & Resort Management (p. 164)
  - Sports, Entertainment, Event - Management (p. 167)
  - Tourism & Hospitality Management (p. 169)
- **Minor**
  - Adventure, Sports and Sustainable Tourism (p. 158)
  - Food & Beverage Management (p. 161)

## Graduate

- **Master of Science (M.S.)**
  - Global Tourism and Sustainable Economic Development (p. 165)
  - International Beverage Management (p. 166)

# Adventure, Sport and Sustainable Tourism Management - B.S.

The Adventure, Sport and Sustainable Tourism major provides students with a solid foundation and professionally focused experience in the areas of this industry sector. Focus is on all aspects of operations, program development, implementation and evaluation of success in the niche of tourism planning.

Completion of the Adventure, Sport and Sustainable Tourism major helps students develop a critical awareness of the ways tourism can enhance the welfare of people by fostering economic, cultural preservation, health and wellness, and environmental conservation. Students are prepared to communicate professionally with suppliers, distributors, industry partners and guests. This degree opens doors to a wide variety of careers internationally within the adventure, recreation and leisure, sport, nature-based, ecotourism and sustainable tourism field, as well as providing a solid business foundation to become a successful entrepreneur.

Upon completion of the program, graduates are expected to:

- Advocate for the importance of sustainable tourism development in fostering economic, social and environmental conservation.
- Create and execute an adventure, sport, and sustainable based tourism experience.
- Assess sustainable tourism leadership decisions informed by policies, laws and regulations within various cultural, political and geographical locations.
- Evaluate strategic plans and product development to improve consumer experience in adventure, sport and sustainable tourism.

## Adventure, Sport and Sustainable Tourism Management

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2005	Hospitality Law	3

### Major Courses

EVNT2020	The Business of Event Management	3
HOSP1001	Orientation to the Hospitality Industry	3
HOSP2040	Human Resources Management in Service Organizations	3
HOSP3053	Hospitality Strategic Marketing	3
SEE2015	Leadership in Recreation/Leisure Settings	3
SEE2040	Outdoor Recreation Planning	3
TRVL1105	Adventure, Sport and Nature-Based Tourism	3
TRVL3010	Dynamics of Tourism and Sustainability	3
TRVL3020	Ecotourism	3
TRVL3035	Tour Management Operations *	3
TRVL4035	Leading an Adventure Experience	3

### Major Electives

Choose two of the following:		6
TRVL2801	World Geography for Tourism and Hospitality	
TRVL3030	International Policies of Tourism	
TRVL3801	Special Topics in Adventure Resort Management	

### Applied/Experiential Learning

COHM4799	College of Hospitality Management Internship	12
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### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3

SCI1010	Environmental Science	6
Social Sciences		6
PSCI2001	International Relations and World Politics	
One course from ANTH, ECON, GEND, LEAD, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		121.0

\* A travel fee is associated with TRVL3035 Tour Management Operations.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Adventure, Sports and Sustainable Tourism - MINOR

The Adventure, Sports and Sustainable Tourism minor provides students with a solid foundation and professionally focused experience in the areas of adventure, sports and sustainable tourism. Focus is on all aspects of operations, program development, implementation and evaluation of success in the niche of tourism planning.

Completion of the Adventure, Sports and Sustainable Tourism minor helps students develop a critical awareness of the ways tourism can enhance the welfare of people while protecting and interacting with the natural environment. Students are prepared to communicate professionally with suppliers, distributors, industry partners and guests.

This minor is open to all students except Tourism & Hospitality Management majors and Adventure, Sport and Sustainable Tourism majors.

## Adventure, Sports and Sustainable Tourism

### Minor

EVNT2020	The Business of Event Management	3
or HOSP2011	Hospitality Sales and Meeting Management	
TRVL1105	Adventure, Sport and Nature-Based Tourism	3
TRVL3020	Ecotourism	3
Choose 6 credits from the following: *		6
COHM4799	College of Hospitality Management Internship (6 credits)	
DEE3999	Directed Experiential Education	
SEE2015	Leadership in Recreation/Leisure Settings	
TRVL3801	Special Topics in Adventure Resort Management	
Total Credits		15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Beverage Sales & Marketing Management - B.S.

Beverage Sales & Marketing Management bachelor's degree program is a unique joint college degree among the College of Hospitality Management, the College of Business and the College of Food Innovation & Technology. It combines the strengths of two benchmark JWU programs, preparing students for careers in the exciting field of sales and marketing in the beverage industry. Students learn core lessons in hospitality and business management, develop a foundation of knowledge in sales and marketing, and gain advanced knowledge of a wide variety of beverages. Students have the opportunity to choose a specialization in wine or in beer, mead and cider. The program prepares students for careers as suppliers, importers and wholesalers and in the direct-to-consumer beverage world.

Upon completion of this program, graduates are expected to:

- Apply knowledge of beverage characteristics to develop customized beverage sales and marketing programs.
- Communicate effectively in beverage sales and marketing environments.
- Formulate strategic sales and marketing plans for local, national and/or global brands.

Upon completion of the Wine Sales specialization, graduates are expected to:

- Differentiate and describe the characteristics associated with wine styles from around the world for purposes of creating sales and marketing strategies.

Upon completion of the Beer, Mead, Fruit Wines, Cider Sales specialization, graduates are expected to:

- Differentiate and describe the unique characteristics and attributes associated with beer, mead, fruit wine and cider for purposes of creating sales and marketing strategies.

Online students must be of legal drinking age; 21 years of age in the US or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

## Beverage Sales & Marketing Management

A four-year program leading to the bachelor of science degree

Business Foundations		
ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
LAW2005	Hospitality Law	3
Major Courses		
CUL2010	Foundations of Fermented Foods	3
CUL3020	Foundations of Wine	3
CUL3092	Brewing Arts	3
CUL3093	Coffee, Tea and Non-alcoholic Beverage Specialist	3
CUL4045	Spirits and Mixology Management	3
FSM1001	Introduction to the Food & Beverage Industry	3
FSM2007	Food and Beverage Technology & Application Systems	3
FSM2055	Beverage Appreciation	3
FSM3060	Front of the House Operations Management	3
FSM3080	Food & Beverage Marketing and Distribution	3
FSM4070	The Business of Alcohol Distribution, Retail and Sales	3
HOSP2040	Human Resources Management in Service Organizations	3
MRKT1001	Marketing Foundations	3
MRKT1011	Key Account Management	3
MRKT2050	Marketing Research	3
MRKT3005	Brand Marketing	3
MRKT3045	Social Media Marketing	3
MRKT4055	Global Strategic Marketing	3
A&S Core Experience		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6

PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
Free Electives #		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		121.0
Wine Sales Specialization		15
CUL4020	New World Wines	
CUL4030	Old World Wines	
CUL4185	Sommelier Capstone	
FSM4880	Beverage Operations Management	
Choose 3 credits from the following:		
COHM4799	College of Hospitality Management Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	
Beer, Mead, Fruit Wines & Cider Sales Specialization		15
CUL3082	Exploring Mead and Honey	
CUL3900	Exploring Ciders and Fruit Wines	
CUL4080	Beer Sommelier Capstone	
FSM4880	Beverage Operations Management	
Choose 3 credits from the following:		
COHM4799	College of Hospitality Management Internship	
DEE3999	Directed Experiential Education <sup>D</sup>	

<sup>D</sup> Directed Experiential Education (DEE) opportunities are based on project availability with community partners and student eligibility. For more information, visit Experiential Education & Career Services (EE&CS).

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Food & Beverage Industry Management - B.S.

The Food & Beverage Industry Management bachelor's degree program prepares students for a management career across the career spectrum in the food and beverage industry.

As part of this program all students will complete a required, term-long internship and have the opportunity to choose a specialization focusing in one of the following areas: Culinary, Beverage, or Guest Relations.

Areas of management study also include critical thinking, financial analysis, industry technology, social media, marketing, leadership, food and beverage strategy and logistics, human resources and customer awareness.

Students are provided the opportunity to obtain value-added certifications within the degree include an industry-recognized responsible alcohol service and allergen certifications, a national manager sanitation certification recognized by the Conference for Food Protection, and the International School of Mixology Bartending Certificate.

Upon completion of the program, graduates are expected to:

- Apply food and beverage industry concepts, skills and values to current industry issues.
- Communicate effectively to diverse audiences, purposes and situations in food and beverage operations.
- Use data and other relevant sources to improve organizational performance within food and beverage operations.
- Produce and implement comprehensive management plans for food industry operations.
- Create business plans for beverage operations.

Upon completion of the Culinary specialization (offered at the Providence and Charlotte campuses), graduates are expected to:

- Apply food and beverage preparation and service skills.

Upon completion of the Beverage specialization (offered at the Providence and Charlotte campuses), graduates are expected to:

- Apply knowledge of beverage characteristics and properties within professional beverage operations.

Upon completion of the Guest Relations specialization (offered at the Providence and Charlotte campuses), graduates are expected to:

- Implement and assess strategies to deliver excellent customer/guest service experiences within professional food & beverage settings.

Graduates with sufficient experience, a professional attitude, and technical expertise may obtain positions in a variety of areas that include, but are not limited to, restaurant manager, kitchen manager, food and beverage director, catering manager, room service manager, beverage manager, and dining room manager.

According to the National Restaurant Association, the food and beverage industry is the largest U.S. employer besides the government.

## Food & Beverage Industry Management

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
LAW2005	Hospitality Law	3

### Major Courses

FSM1001	Introduction to the Food & Beverage Industry	3
FSM2007	Food and Beverage Technology & Application Systems	3
FSM2055	Beverage Appreciation	3
FSM2080	Food Service Operations	3
FSM3060	Front of the House Operations Management	3
FSM4061	Advanced Food Service Operations Management	3
FSM4160	Food and Beverage Strategies and Logistics	3
FSM4880	Beverage Operations Management	3
HOSP2040	Human Resources Management in Service Organizations	3
HOSP3053	Hospitality Strategic Marketing	3

### Specialization

Choose 15 credits of a Specialization listed below†		15
<b>Applied/Experiential Learning</b>		
COHM4799	College of Hospitality Management Internship	12
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
SCI1050	Nutrition	
Social Sciences		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
12 credits selected from 1000-4999 numbered offerings within the university		12
Total Credits		121.0

### †Specialization in Beverage

CUL3020	Foundations of Wine	
CUL3092	Brewing Arts	
CUL3093	Coffee, Tea and Non-alcoholic Beverage Specialist	
CUL4045	Spirits and Mixology Management	
FSM4070	The Business of Alcohol Distribution, Retail and Sales	

### †Specialization in Culinary

BPA1701	Foundations of Baking and Pastry	
CUL1100	Introduction to Culinary Skills and Techniques	
CUL1210	Breakfast & Lunch Cafe	
CUL2510	Contemporary Restaurant Operations and Management	
FSM3012	Advanced Menu Analysis	

### †Specialization in Guest Relations

FSM3080	Food & Beverage Marketing and Distribution	
FSM3111	Catering: Sales and Operations Management	
HOSP2260	Exploring the Private Club Industry	
HOSP3005	Leading Service Excellence in the Hospitality Industry	
HOSP4055	Hospitality Operations Analysis	

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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## Food & Beverage Management - MINOR

The Food and Beverage Management minor is intended to provide students with a foundation of operational knowledge, skills and industry-recognized certifications in areas such as safe service of alcohol, food allergy concerns and dining operations needed to manage successfully within a wide variety of hospitality industry segments. The minor exposes students to commercial and non-commercial operations and explores the operational cycle of control, potential career paths and the current technologies utilized by leading businesses.

### Food & Beverage Management

#### Minor

Choose five of the following: *	15
FSM2055	Beverage Appreciation
FSM2110	Food and Beverage Operations in the Sports, Entertainment and Event Management Industry
FSM2130	The Businesses of Non-Commercial Foodservice
FSM3060	Front of the House Operations Management
FSM4880	Beverage Operations Management
TRVL2165	Food Culture and Tourism
Total Credits	15.0

\* Students are responsible for meeting prerequisites.

If a minor course is listed as a major course in a student's major program, the student must choose additional courses from an elective list to complete the minor. Please see the Minors, Specializations and Certificates (p. 297) page for additional information.

# Food & Beverage Industry Management (2+2 program) - B.S.

Building upon previous dining, beverage service and kitchen laboratory experiences the Food & Beverage Industry Management bachelor's degree program prepares students for a management career across the career spectrum in the food and beverage industry.

Areas of management study also include critical thinking, financial analysis, industry technology, social media, marketing, food and beverage strategy and logistics, human resources and customer awareness.

As part of this program, all students are provided the opportunity to apply free electives to a variety of on and off campus learning activities.

Upon completion of the program, graduates are expected to:

- Apply food and beverage industry concepts, skills and values to current industry issues.
- Communicate effectively to diverse audiences, purposes and situations in food and beverage operations.
- Use data and other relevant sources to improve organizational performance within food and beverage operations.
- Produce and implement comprehensive management plans for food industry operations.
- Create business plans for beverage operations.

Graduates with sufficient experience, a professional attitude, and technical expertise may obtain positions in a variety of areas that include, but are not limited to, restaurant manager, kitchen manager, executive chef, food and beverage director, catering manager, room service manager, sous chef, beverage manager, and dining room manager.

According to the National Restaurant Association, the food and beverage industry is the largest U.S. employer besides the government.

## Food & Beverage Industry Management

A four-year program leading to the bachelor of science degree for two-year Baking & Pastry Arts or Culinary Arts program graduates

First two years: 61  
in Baking & Pastry Arts

OR

in Culinary Arts  
Third and fourth years:

Business Foundations		
ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
LAW2005	Hospitality Law	3
Major Courses		
FSM2007	Food and Beverage Technology & Application Systems	3
FSM2055	Beverage Appreciation	3
FSM4061	Advanced Food Service Operations Management	3
FSM4160	Food and Beverage Strategies and Logistics	3
FSM4880	Beverage Operations Management	3
HOSP2040	Human Resources Management in Service Organizations	3
HOSP3053	Hospitality Strategic Marketing	3
A&S Core Experience		
Integrative Learning		3
One ILS course at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		3
MATH2001	Statistics I	
Social Sciences		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCI, PSYC, RES or SOC		
A&S Electives		3
ECON1001	Macroeconomics	
Free Electives #		

9 credits selected from 1000-4999 numbered offerings within the university	9
Total Credits	61.0
Four-Year Credit Total	122.0

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Hospitality Management - B.S.

The Hospitality Management bachelor's degree program offers students a broad exposure to the various segments of the hospitality industry. The course of study prepares students with both a foundation in management theories and operational competencies necessary to enter any segment of the hospitality industry upon graduation. The inclusion of electives offers students the ability to customize their program of study based on their interests in a specific segment or management area.

Upon completion of the program, graduates are expected to:

- Use the major concepts, skills and values of the hospitality industry to address industry problems within diverse hospitality operations.
- Communicate effectively to diverse stakeholders in the hospitality industry.
- Use decision support tools to resolve guest service issues and facilitate organizational process changes.
- Apply financial reasoning and performance analysis to optimize performance within hospitality operations.

The curriculum provides opportunities for students to learn effective management practices in the dynamic hospitality industry, with an emphasis on customer service and problem solving. They apply such advanced techniques as revenue management, operational analysis, and financial analysis. Graduates may seek employment in supervisor or management positions in hotels, resorts, restaurants, tourism organizations, event venues, and on-site food service operations.

## Hospitality Management

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2005	Hospitality Law	3

### Major Courses

FSM2033	Food Service in Hospitality and Tourism	3
HOSP1001	Orientation to the Hospitality Industry	3
HOSP1015	Managing the Hotel Guest Experience	3
HOSP2011	Hospitality Sales and Meeting Management	3
or EVNT2020	The Business of Event Management	
HOSP2040	Human Resources Management in Service Organizations	3
HOSP3005	Leading Service Excellence in the Hospitality Industry	3
HOSP3053	Hospitality Strategic Marketing	3
HOSP3077	Revenue Management	3
HOSP4055	Hospitality Operations Analysis	3
HOSP4060	Hospitality Strategy Design and Execution Seminar	3
TRVL3010	Dynamics of Tourism and Sustainability	3

### Major Electives

Choose two of the following:		6
FSM2055	Beverage Appreciation	
HOSP2260	Exploring the Private Club Industry	
HOSP4040	Hotel Asset Management	
SEE3170	International Exhibitions & Events	
TRVL3020	Ecotourism	

### Applied/Experiential Learning

COHM4799	College of Hospitality Management Internship	12
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### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	

Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCI, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		121.0

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Hotel & Resort Management - B.S.

The Hotel & Resort Management bachelor's degree program focuses on a strong hotel business core that prepares students for a variety of management careers within this dynamic and diverse industry.

Students in the program engage in global operations and strategic management business practices to help prepare them for a data driven, innovative and personalized-service-oriented world. Students apply knowledge and skills during their required internship experience.

Upon completion of the program, graduates are expected to:

- Use the major concepts, skills and values of the hotel and resort industry to address industry problems both locally and globally.
- Communicate effectively to diverse stakeholders in the hotel and resort industry.
- Use decision support tools to solve problems and facilitate organizational processes within the hotel and resort operating environment.
- Apply financial reasoning and performance analysis to optimize performance within hotel and resort operations.
- Maximize the human and financial resources to promote sustainable hotel and resort operations through ethically responsible decision-making.

Hotel & Resort Management degree program graduates have pursued careers in property management, including resort and spa management, hotel operations, sales and marketing, revenue management, finance and accounting, asset management, food and beverage management, sustainability management, and human resources; regional and corporate leadership and in related fields managing online reservation/distribution channels; and meeting and event planning.

## Hotel & Resort Management

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2005	Hospitality Law	3

### Major Courses

FSM2033	Food Service in Hospitality and Tourism	3
HOSP1001	Orientation to the Hospitality Industry	3
HOSP1015	Managing the Hotel Guest Experience	3
HOSP2040	Human Resources Management in Service Organizations	3
HOSP3012	Sustainable Hotel Support Operations	3
HOSP3053	Hospitality Strategic Marketing	3
HOSP3077	Revenue Management	3
HOSP3085	International Hotel Operations, Development and Management	3
HOSP3440	Resort, Vacation Ownership and Spa Management	3
HOSP4040	Hotel Asset Management	3
HOSP4055	Hospitality Operations Analysis	3

### Major Electives

Choose two of the following:		6
HOSP2011	Hospitality Sales and Meeting Management	
HOSP3005	Leading Service Excellence in the Hospitality Industry	
HOSP4060	Hospitality Strategy Design and Execution Seminar	

### Applied/Experiential Learning

COHM4799	College of Hospitality Management Internship	12
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### A&S Core Experience

Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6

MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCL, PSYC, RES or SOC		
A&S Electives		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
Total Credits		121.0

\* A major component of Johnson & Wales University's Hotel & Resort Management B.S. Degree Program is a week-long international travel experience during HOSP3085 International Hotel Operations, Development and Management. Students need to complete the application process with Study Abroad approximately six months prior to the start of the course. Please note, a travel fee is associated with this course.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

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# Global Tourism and Sustainable Economic Development - M.S.

The Global Tourism and Sustainable Economic Development Master of Science degree program provides students with opportunities to immerse themselves in the different phases of planning and developing viable programs for sustainable tourism and economic development projects. Students gain a comprehensive knowledge of the newest trends in the tourism business through course lectures and professionally focused learning experiences.

Upon completion of the program, graduates are expected to:

- Formulate strategies to attract and retain market share and promote social and economic development objectives for specific tourism destinations.
- Communicate effectively with tourism industry stakeholders such as policymakers, members of the private sector and the general public.
- Critically evaluate contemporary management and leadership strategies as they relate to the global tourism industry and sustainable business practices.
- Create sustainable tourism development plan that encompass cultural, sociological and motivational differences.

Upon graduation, students may be employed by government agencies and international travel and tourism organizations as consultants and developers of tourism destinations. The private sector may also offer opportunities for employment to graduates of the program.

## Global Tourism and Sustainable Economic Development

Master of Science

### Core Courses

TRVL5010	Tourism Principles and Foundations	3
TRVL5030	Financial Concepts in Sustainable Tourism Development	3
TRVL5050	Foundation of Consulting for the Tourism Industry	3
TRVL5070	Global Tourism Marketing and Branding	3
TRVL5120	Planning for Ethical and Sustainable Tourism Development	3
TRVL5140	Product Development and Innovation in Sustainable Tourism — Shared and Experience Economics	3
TRVL5210	Tourism Economics	3
TRVL6100	Applied Research Methods in Sustainable Tourism Development	3
TRVL6140	International Tourism Development, Economic Issues and Strategic Solutions in the Developing World	3
TRVL6180	International Sustainable Tourism Policy Analysis and Development	3
Total Credits		30.0

# International Beverage Management - M.S.

The International Beverage Management Master of Science degree program is designed for professionals who are currently in or wish to enter beverage-related businesses. It advances the knowledge of beverage, including beverage products, beverage management, current and new and emerging markets, consumers, and the value chain for global beverages. Students develop skills to use this knowledge to make decisions and take actions that produce positive results in the business marketplace, and to function in an exciting and fast-changing business environment, by recognizing and exploiting developing trends. As the beverage industry expands locally, nationally and internationally, this degree offers the opportunity to develop these necessary skills and develop them into industry leaders.

Upon completion of the program, graduates are expected to:

- Demonstrate fluency in the professional language of the beverage industry.
- Demonstrate competence with practical techniques used to analyze the sensory properties of beverages.
- Critically analyze research to inform socially responsible decision-making within beverage organizations.
- Develop marketing plans for beverage products and markets that encompass legislative, cultural, sociological and motivational differences.
- Understand the biological and chemical bases of brewing, distilling and winemaking processes.

## International Beverage Management

Master of Science

### Core Courses

BEV5100	General Studies in Fermentation Science	3
BEV5200	Advanced Global Wine Studies	3
BEV5250	Advanced Global Studies in Beer and Brewing Operations	3
BEV5300	Advanced Global Spirits Studies	3
BEV5350	Advanced Beverage Marketing and Retail	3
BEV5400	Contemporary Issues in the Global Beverage Industry	3
or COHM6799	College of Hospitality Management Graduate Internship	
MRKT5500	Strategic Marketing	3
MRKT6035	Brand Management	3
MRKT6543	Social Media & Internet Marketing	3
RSCH5700	Research and Inquiry	3
Total Credits		30.0

# Sports, Entertainment, Event - Management - B.S.

The Sports, Entertainment, Event — Management bachelor's degree program prepares students to enter the multi-billion-dollar sports, entertainment and event management industry with the skills and knowledge to excel in their career. A managerial foundation provides a solid core of industry-relevant courses and a theoretical background. Coursework is coupled with professional preparation, active-learning classrooms and access to industry professionals.

During the first year of the program, students begin taking foundational courses in sports, entertainment and event management. As they progress into more advanced coursework, students have the option of moving into specializations to begin tailoring their degree to best meet their future goals.

With 15 credits free electives available, students also have the option to participate in additional off-site internships under the direction of an industry professional. This experience allows students to actively participate in the real-world setting of sales and marketing, sports management, venue management, event production, and golf course/private club operations. Students can also choose to participate in a study abroad program, select a minor or take additional courses outside of their discipline to enhance their learning experience.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the sports, entertainment and event management industry by integrating the concepts of marketing, finance, operations and ancillary services in the management of a range of events.
- Communicate effectively to diverse audiences, purposes and situations in a variety of contexts within the sports, entertainment and event management industry.
- Use decision support tools to solve problems and facilitate organizational processes by applying critical thinking and ethical problem solving to management decisions within the sports, entertainment and event management industry.
- Analyze and apply the process of negotiations within the sports, entertainment and event management industry.
- Demonstrate leadership skills and adapt them to a diverse global market in the sports, entertainment and event management industry.

Upon completion of the Sports Management specialization (offered at the Providence and Charlotte campuses), graduates are expected to:

- Analyze and apply sport business principles to generate informed and fiscally sustainable decisions on behalf of a sports organization

Upon completion of the Event Management specialization (offered at the Providence and Charlotte campuses), graduates are expected to:

- Utilize event management tools and processes to create, execute and evaluate an event.

Upon completion of the Live Entertainment specialization (offered at the Providence campus), graduates are expected to:

- Analyze and evaluate critical components of live entertainment management.

Graduates of the Sports, Entertainment, Event — Management degree program are prepared for a variety of careers within amateur and professional sports teams, entertainment venues, conferences and trade shows, event management and production companies. Options exist both nationally and internationally for graduates of this program.

## Sports, Entertainment, Event — Management

A four-year program leading to the bachelor of science degree

### Business Foundations

ACCT1210	Financial Accounting	3
or ACCT2150	Accounting for Hospitality Service Organizations	
ACCT3150	Financial Management for Hospitality Service Organizations	3
or FISM2000	Finance	
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
HOSP2040	Human Resources Management in Service Organizations	3

or MGMT2001	Human Resource Management	
LAW2001	The Legal Environment of Business I	3
or LAW2005	Hospitality Law	
<b>Major Courses</b>		
EVNT2020	The Business of Event Management	3
MRKT1001	Marketing Foundations	3
SEE1001	Introduction to the Sports, Entertainment and Event Management Industry	3
SEE3850	Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management	3
SEE4060	Sports/Entertainment/Event Management Seminar	3
<b>Major Courses/Specialization</b>		
Choose additional major courses or a specialization listed below		21
SEE2005	The Business of Sports	
SEE2030	The Business of the Entertainment Industry	
SEE3008	Ancillary Services and Revenue Management in the Sports, Entertainment and Event Industry	
SEE3010	Ticketing Methods and Data Analysis in Sports, Entertainment and Event Management	
SEE3045	New Media Literacy in Sports, Entertainment and Event Management	
SEE3160	Sponsorship, Sales and Relationship Management	
SEE4050	International Sports, Entertainment, Event and Venue Management	
<b>Applied/Experiential Learning</b>		
COHM4799	College of Hospitality Management Internship	12
<b>A&amp;S Core Experience</b>		
Communications Foundations Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
Science		3
One course from BIO, CHM, PHY or SCI		
Social Sciences		6
ECON1001	Macroeconomics	
One course from ANTH, GEND, LEAD, PSCI, PSYC, RES or SOC		
A&S Electives		6
Two courses with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
<b>Total Credits</b>		<b>121.0</b>
<b>†Event Management Specialization 21</b>		
EVNT4110	Advanced Special Event Management	
SEE2150	Safety, Security and Risk Management in the SEEM Industry	
SEE3041	Special Event Protocol	
SEE3042	Weddings & Ceremonies	
SEE3060	Concert, Tour and Music Festival Production Management	
SEE3160	Sponsorship, Sales and Relationship Management	
SEE3170	International Exhibitions & Events	
<b>†Live Entertainment Management Specialization 21</b>		
SEE2030	The Business of the Entertainment Industry	
SEE2120	Introduction to the Music Industry	
SEE2150	Safety, Security and Risk Management in the SEEM Industry	
SEE3010	Ticketing Methods and Data Analysis in Sports, Entertainment and Event Management	
SEE3060	Concert, Tour and Music Festival Production Management	
SEE3160	Sponsorship, Sales and Relationship Management	
SEE4050	International Sports, Entertainment, Event and Venue Management	
<b>†Sports Management Specialization 21</b>		
SEE2005	The Business of Sports	



SEE3008	Ancillary Services and Revenue Management in the Sports, Entertainment and Event Industry
SEE3010	Ticketing Methods and Data Analysis in Sports, Entertainment and Event Management
SEE3045	New Media Literacy in Sports, Entertainment and Event Management
SEE3160	Sponsorship, Sales and Relationship Management
SEE4020	Sports and Entertainment Marketing
SPM2220	Professional Sport Management

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

# Tourism & Hospitality Management - B.S.

The Tourism & Hospitality Management bachelor's degree program provides a broad-based option for students, incorporating the hotel, travel-tourism and food segments of the hospitality industry with special focus given to travel-tourism.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the tourism and hospitality industry.
- Communicate effectively to diverse audiences, purposes and situations in the travel and hospitality industry.
- Use decision support tools to solve problems and facilitate organizational processes in the travel and hospitality industry.
- Leverage critical thinking and knowledge of industry trends and conditions to enhance guest experience within the travel and hospitality industry.
- Produce travel and tourism plans that have the potential to maximize the positive effect of tourism on a destination.

This program places an emphasis on tourism as the glue that holds the industry together, especially in course offerings and the term-long experiential learning program. The highlight of the degree is the Familiarization (FAM) Tour, a class project that includes planning a trip to a domestic or international destination. Students are required to research, budget, plan, promote and implement the tasks of a tour escort and tour guide.

Graduates may be employed in all industry segments due to the program's more generalized curriculum, but the emphasis on travel-tourism provides specific career options in destination marketing organizations such as convention and visitors bureaus (CVBs) and tourism offices, resorts, tour operators, travel industry suppliers such as airlines, cruise lines or ground transportation, and various international operators.

## Tourism & Hospitality Management

A four-year program leading to the bachelor of science degree

<b>Business Foundations</b>		
ACCT2150	Accounting for Hospitality Service Organizations	3
ACCT3150	Financial Management for Hospitality Service Organizations	3
CAR0010	Career Management	1
FIT1040	Spreadsheet Design for Business Solutions	3
LAW2005	Hospitality Law	3
<b>Major Courses</b>		
HOSP1001	Orientation to the Hospitality Industry	3
HOSP1080	Technology in the Tourism/Hospitality Industry	3
HOSP2040	Human Resources Management in Service Organizations	3
HOSP3053	Hospitality Strategic Marketing	3
SEE3850	Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management	3
TRVL2165	Food Culture and Tourism	3
TRVL3010	Dynamics of Tourism and Sustainability	3
TRVL3030	International Policies of Tourism	3
TRVL3035	Tour Management Operations *	3
TRVL4011	Destination Management Organization	3
TRVL4160	Travel and Tourism Strategic Management Seminar	3
<b>Major Electives</b>		
Choose two of the following:		6
TRVL2040	Travel Sales Management	
TRVL2801	World Geography for Tourism and Hospitality	
TRVL4010	Tourism Economics	
<b>Applied/Experiential Learning</b>		
COHM4799	College of Hospitality Management Internship	12
<b>A&amp;S Core Experience</b>		
Communications Foundation Courses		9
ENG1020	Rhetoric & Composition I	
ENG1021	Rhetoric & Composition II	
ENG1030	Communication Skills	
Integrative Learning		6
Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		6
PHIL3240	Ethics: A Global Perspective	

One course from ART, HIST, HUM, LIT or REL		
<b>Mathematics</b>		6
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics I	
<b>Science</b>		3
One course from BIO, CHM, PHY or SCI		
<b>Social Sciences</b>		6
LEAD1010	Foundations of Leadership Studies	
One course from ANTH, ECON, GEND, PSCI, PSYC, RES or SOC		
<b>A&amp;S Electives</b>		6
ECON1001	Macroeconomics	
One course with an EASC attribute		
<b>Free Electives #</b>		
15 credits selected from 1000-4999 numbered offerings within the university		15
<b>Total Credits</b>		121.0

\* Online campus students should contact their advisor prior to registration for TRVL3035 Tour Management Operations. Please note, a travel fee is associated with this course.

# In addition to classes, free elective credits may be applied to a number of options such as internship, study abroad, Directed Experiential Education courses and courses in a specialization or minor as relevant. For Accelerated Master's program students, up to three graduate-level courses may apply. Students are strongly encouraged to contact a faculty advisor before scheduling free elective credits.

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Other Programs

- **Non-Degree**
  - English as a Second Language for Academic Purposes (p. 171)

# English as a Second Language for Academic Purposes

The English as a Second Language program provides international students with an opportunity to learn English for academic purposes through intensive English instruction and weekly enhancement activities for students preparing for admission to undergraduate and graduate degree programs. Instruction is also offered to those students who wish solely to improve their English language skills. Students are placed in 4 different skill area classes: oral communications, reading, writing and grammar.

Course objectives are academically oriented with the aim of preparing students to function at the university level. In addition, students are given opportunities for social and cultural experiences designed to assist with their cultural transition.

Dedicated to student success, the English as a Second Language program places students at their level of English proficiency. Students are expected to take a placement exam when entering the university. Placement test scores determine what level a student is placed into. Students are placed into 1 of 3 different proficiency levels: beginner, intermediate or advanced. Every student is scheduled for a class in each of the 4 skill areas.

Students enrolled in ESL courses will be allowed no more than three (3) attempts to successfully complete each course. Students who are unsuccessful after the second attempt of a course will be assigned an academic standing hold and be placed on academic probation. Students who are unsuccessful after the third attempt of a course will be academically dismissed.

## ESL Course Requirements:

ESL1110	Beginner Level Oral Communication for Academic Purposes	3
ESL1120	Beginner Level Grammar for Academic Purposes	3
ESL1130	Beginner Level Reading for Academic Purposes	3
ESL1140	Beginner Level Writing for Academic Purposes	6
ESL1210	Intermediate Level Oral Communication for Academic Purposes	3
ESL1220	Intermediate Level Grammar for Academic Purposes	3
ESL1230	Intermediate Level Reading for Academic Purposes	3
ESL1240	Intermediate Level Writing for Academic Purposes	6
ESL1310	Advanced Level Oral Communication for Academic Purposes	3
ESL1320	Advanced Level Grammar for Academic Purposes	3
ESL1330	Advanced Level Reading for Academic Purposes	3
ESL1340	Advanced Level Writing for Academic Purposes	6
Total Credits		45.0

## Academic Int'l Programs (ABRD) Courses

### **ABRD4080 Study Abroad - Exchange Program**

This course is a variable-credit placeholder course used to maintain JWU student status while participating in a JWU exchange program. Students apply for the exchange program through JWU Study Abroad, which identifies the approved exchange university institutions. Students are enrolled in exchange university courses overseas. The international host university courses are not from the JWU catalog, so students schedule for this course (3–18 credits) to maintain registration at Johnson & Wales. Offered at Charlotte, Online, Providence, Providence CE  
3-18 Semester Credits

### **ABRD4180 Study Abroad - Affiliate Program**

This course is a variable-credit placeholder course used to maintain JWU student status while participating in a JWU affiliate program. Students apply for the affiliate program through JWU Study Abroad, which identifies the approved affiliate organizations and specific approved programs. Students are enrolled in an affiliate's partner university courses overseas. The international host institution or university courses are not from the JWU catalog, so students schedule for ABRD4180 (3–18 credits) to maintain registration at Johnson & Wales. Offered at Charlotte, Online, Providence, Providence CE  
3-18 Semester Credits

### **ABRD6080 Sustainability, Community Engagement, and Leadership in Nepal**

This course is designed to provide a focused lens on the leadership of sustainability, community engagement, and global citizenship, with an emphasis on nonprofit management. Students utilize a systems perspective to identify and analyze the complex factors that contribute to the challenges and proposed solutions to community-based approaches for addressing the concerns and roles of diverse stakeholders, specifically in Nepal. As a case study, students learn on-site at a nonprofit organizational community in Nepal, the Kevin Rohan Memorial Eco Foundation (KRMEF), which is an innovative and replicable model for sustainable community and leadership development. KRMEF represents an ecological systems (biodynamic) model for addressing the needs of the people and communities specifically in the Kathmandu Valley region of Nepal, with relevance to shared concerns within a global context. Students are immersed in the complex development of Nepal as a developing and post-disaster country and emerging democracy, through relevant readings, structured site visits and excursions, cultural events, and community interaction. Ongoing, intentional reflection provide opportunities for participants to engage with, synthesize, communicate about and act upon what they learn from their experiences and how that relates to academic, professional, civic and leadership interests. Prerequisite(s): RSCH5700. Offered at Online, Providence  
3 Semester Credits

## Accounting (ACCT) Courses

### **ACCT1210 Financial Accounting**

This course introduces students to the basic principles, practices and theories of financial accounting. Topics include the identification, measurement and recording of the financial effects of economic events on enterprises. Emphasis is placed on the understanding and use of financial statements for the corporation, interpretation and use of financial statement information in business decisions, and a study of the system that produces this information. Prerequisite(s): BUS1001 or EVNT1001 or FSM1001 or FSM2025 or FSM2045 or HOSP1001 or HSC1010 or MGMT1001 or SEE1001 or SPM1001 (or concurrent), (FIT1040 or FSM2007) (or concurrent). Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT1220 Managerial Accounting**

This course covers how accounting information is used internally for planning, controlling, and decision making. Students learn the nature, application, and behavior of costs for manufacturers, retailers and service providers. The preparation of operating and financial budgets is also covered. Students explore how accounting information is utilized internally to make business decisions relevant to performance evaluation and help align with the organization's goals. Prerequisite(s): ACCT1210. Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT2035 Accounting Software**

In this interactive course, students gain experience with a commercial accounting software package. The course is conducted in a laboratory setting. The software program is selected based on local market demand and designed for small- to medium-sized businesses. Basic through advanced setup, maintenance and the entire accounting cycle are completed using the software. Students master the reporting function and also work with payroll, sales and pricing transactions by customer and/or job. Advanced topics such as the audit trail, closing the books and reversing journal entries are explored. Prerequisite(s): ACCT1210. Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT2150 Accounting for Hospitality Service Organizations**

This course combines the concepts of accounting theory and practices with the specialized requirements of hospitality service organizations. The course introduces the nature and purpose of accounting, the double-entry system, accounting documents, and financial statements of service organizations. Comprehensive coverage is given to revenue and expense accounting, inventory systems, vertical, horizontal and ratio analyses, accounting for current assets and current liabilities with particular focus on unearned revenue, intangible assets, selective topics in property and equipment accounting and sales forecasting. Prerequisite(s): FIT1040 or FSM2007 (or concurrent). Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT2210 Intermediate Accounting Theory and Practice I**

This course provides an introduction to theories, practice and the conceptual framework in financial accounting. Students expand their knowledge of revenue recognition, cash, and accounts receivable, including account valuation and the impact of related transactions on periodic net income and financial position, inventory, and property, plant and equipment. Prerequisite(s): ACCT1210. Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT2220 Intermediate Accounting Theory and Practice II**

This course serves as a continuation of Intermediate Accounting Theory and Practice I. Special topics are studied such as accounting for current and non-current liabilities, stockholders' equity, earnings per share, income taxes, leases, investments, accounting for changes and errors, and the statement of cash flows. Prerequisite(s): ACCT2022 or ACCT2210. Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT3011 Federal Taxes I**

This course is a study of federal tax laws and treasury regulations and their application to the income of individuals. Practice is given in the preparation of tax returns, supplemental forms and schedules required to be filed by individuals. Prerequisite(s): ACCT1210. Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ACCT3012 Federal Taxes II**

This course involves the study of federal tax laws pertaining to sole proprietorships, advanced personal tax situations, partnerships and corporations. Prerequisite(s): ACCT3011. Offered at Providence  
3 Semester Credits

**ACCT3030 Not-For-Profit and Governmental Accounting**

This course introduces students to the accounting procedures of local and state governments. It also introduces students to the accounting standards of organizations that exist and operate for purposes other than to provide goods and services at a profit. The Single Audit Act (OMB Circular A-133), government auditing standards (the "yellow book") and preparation of federal form 990 are also studied.

Prerequisite(s): ACCT2220.

Offered at Providence

3 Semester Credits

**ACCT3035 Cost Accounting**

This course focuses on the study of accounting in a manufacturing business and advanced topics. Costing procedures covered include job order costing and overhead application rates, activity-based costing, process costing, joint costs allocations, standard costing and variance analysis.

Prerequisite(s): ACCT1220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3045 Internal Auditing**

The internal audit function of the modern organization is the subject of this course, with a concentration on the nature of operational auditing, its objectives, procedures and standards. Attention is given to the analysis of the various administrative and accounting controls on which management depends for efficiency and effectiveness of operations.

Prerequisite(s): ACCT2023 or ACCT2220.

Offered at Online, Providence

3 Semester Credits

**ACCT3050 Advanced Accounting**

This course is designed to provide students with an introduction to international accounting and the knowledge to prepare consolidated financial statements.

Prerequisite(s): ACCT2023 or ACCT2220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3055 Casino Accounting**

This course focuses on the characteristics of casino accounting by providing a history of the gaming industry. This history describes the evolution of the systems of internal control used in casino operations and illustrates the accounting methods used to comply with state and federal regulations according to generally accepted accounting principles and the AICPA Guide to the Casino and Gaming Industry.

Prerequisite(s): ACCT1210.

Offered at Online, Providence

3 Semester Credits

**ACCT3060 Accounting Information Systems**

This course prepares accounting majors for the technology issues they will face in their careers and effective communications with information technology personnel within organizations. Topics covered include transaction and data processing cycles, systems analysis and design, computer fraud and internal control, and auditing accounting information systems.

Prerequisite(s): ACCT1220 or ACCT4040.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3080 Fraud Examination: Theory and Practice**

This course covers accounting and legal concepts along with the procedures that are necessary to accomplish fraud detection, fraud investigation and fraud prevention duties. Students learn how to analyze allegations of fraud and how to utilize accounting and investigative skills during a fraud investigation. Computerized application development assists in case analysis. Expert witness testimony is also discussed along with a review of the variety of ways to communicate findings.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3150 Financial Management for Hospitality Service Organizations**

This course presents how accounting information is used by management to analyze and measure the efficiency and profitability of hospitality service organizations. The course emphasizes the managerial uses of budgets and variance analysis, relevant cost analysis, regression analysis, and cost-volume-profit relationships. Net present value, internal rate of return, risk and cost of capital are also discussed.

Prerequisite(s): ACCT1210 or ACCT2150, FIT1040 or FSM2007 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT4012 Taxes and Business Decisions**

This course examines the income tax issues that must be considered by managers prior to making business decisions. Topics include tax aspects of selecting a type of business entity; acquisition, use and disposal of fixed assets; investments; capital gains and losses; nontaxable transactions; payroll taxes; and income tax planning. This course is an elective for non-accounting majors only.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Providence

3 Semester Credits

**ACCT4040 Auditing**

This course is designed to acquaint the student with methods of verification, analysis and interpretation of generally accepted auditing procedures. The mechanics of planning and implementing an audit and the preparation of reports are studied.

Prerequisite(s): ACCT2023 or ACCT2220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT4050 International Accounting**

Accounting for and reporting upon the financial aspects of a multinational corporation are addressed in this course. Topics include foreign currency transactions, foreign currency translation (FASB 52), and accounting policies and practices of countries other than the United States.

Prerequisite(s): ACCT2023 or ACCT2220.

Offered at Providence

3 Semester Credits

**ACCT4060 Accounting Seminar**

This course is delivered in a seminar format and serves as the capstone course for seniors majoring in Accounting. Using knowledge obtained through previous accounting coursework, students analyze and report on contemporary issues in accounting and auditing. Computer software is used extensively throughout the course.

Prerequisite(s): ACCT2035, ACCT3011, ACCT3035, ACCT4040, senior status.

Offered at Online, Providence

3 Semester Credits

**ACCT6001 Accounting Theory**

This course involves an overview of the theory of accounting with emphasis on recent pronouncements issued by the Financial Accounting Standards Board.

Prerequisite(s): ACCT3050, completion of required accounting prerequisite and foundation courses.

Offered at Online, Providence

3 Semester Credits

**ACCT6003 Advanced Auditing**

This course reviews various relevant auditing topics and enhances students' understanding of compilations, reviews and other attestation services so that they may perform certain audit procedures in a practice case format. This course is highly interactive with students working on various cases in a group format.

Prerequisite(s): ACCT4040, completion of required accounting prerequisite and foundation courses, knowledge of spreadsheet software.

Offered at Online, Providence

3 Semester Credits

### **ACCT6020 Individual Taxation**

This course offers students a practical approach to understanding the complexity of the U.S. tax system. Discussion centers on the tax laws as a means of fiscal policy. The course is designed to teach students how to research and understand the initiation of tax law in the legislature, how this is brought through the Treasury Department, and how judicial interpretation affects the understanding of tax issues. Emphasis in the course is on examination of the law of individual taxation from the standpoint of the Internal Revenue Code and pertinent regulations to ultimately foster an understanding of the U.S. tax system and the sources behind the law. Contemporary tax planning techniques are discussed throughout the course.  
Offered at Online, Providence  
3 Semester Credits

### **ACCT6021 Corporate Taxation**

This course offers the student a practical approach to understanding the complexity of the U.S. tax system. Discussion centers on the tax laws as a means of fiscal policy. Students explore how to plan to utilize the tax system for financing company needs. The course is designed to teach students how to research and understand the initiation of tax law, how this is brought through the Treasury Department, and how judicial interpretation affects the understanding of tax issues. Emphasis is placed on effective planning to assist shareholders to achieve desired goals in the formation, operation and liquidation stages of a corporation. Contemporary tax planning techniques are discussed throughout the course.  
Prerequisite(s): ACCT3011, completion of required accounting prerequisite and foundation courses.  
Offered at Online, Providence  
3 Semester Credits

## **Advertising Comm (ADVC) Courses**

### **ADVC1010 Marketing Communications**

This course covers the role of marketing communications in the overall marketing process. Emphasis is placed on the integration of advertising, sales promotion, public relations, and interactive marketing in the creation of effective and seamless communication strategies. Students learn how advertising messages are created using consumer insights and how messages are placed in a variety of media channels. Students also learn how each of the promotional mix elements can be used for specific purposes.  
Prerequisite(s): FSM3075 or GDES1020 or HOSP3075 or MCST1005 or MRKT1001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ADVC1011 Media Strategy**

This course focuses on the process of media planning and buying with particular emphasis on traditional media. Students learn to use media research tools to select appropriate media vehicles that reach specific audiences. Topics include media strategy development, agency/media relations, reach and frequency optimization, and establishing budgets and costs.  
Prerequisite(s): ADVC1010.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ADVC1021 Public Relations and Corporate Communications**

This course introduces students to the basic writing requirements and functions of public relations and communications within contemporary organizations, including marketing communications, media relations and corporate communication documents. Particular emphasis is on the creation of both traditional and new media correspondence, such as press releases, media kit documents and client correspondence including agendas and meeting reports.  
Prerequisite(s): MRKT1001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ADVC2001 Creative Concepts and Strategy**

This course prepares students to develop creative concepts based on research and sound selling positioning strategies. Emphasis is on teaching students to think both strategically and creatively for the wide range of media and communication tools used by today's advertiser. Students gain experience in developing creative concepts for magazines, newspapers, radio, television, billboards, brochures, catalogs and infomercials in traditional and new media. Particular emphasis is on developing strategies and writing creative strategy statements from which concepts are developed and executed.  
Prerequisite(s): ADVC1010.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ADVC2002 Copywriting and Art Direction**

This course is an introduction to the creative crafts of advertising: copywriting and art direction. The course covers the creative crafts in traditional media such as print, outdoor, broadcast and collateral, and in new media. Copywriting study includes headline writing, body copy, theme lines and tag lines, as well as script writing. Art direction study includes layout, design and typography. This course aids students in incorporating both copywriting and art direction disciplines into portfolio samples.  
Prerequisite(s): ADVC2001 or GDES3050.  
Offered at Online, Providence  
3 Semester Credits

### **ADVC2025 Advanced Brand Communications**

This course utilizes contemporary case analysis and real client projects to illustrate the effective use of public relations to achieve advanced integrated brand communication campaigns. Students learn to solve client communication problems and become brand advocates by applying a public relations process model to create a diverse range of traditional, digital and branded content media. Students write advanced brand communications for digital news media, social media and native advertising formats.  
Prerequisite(s): ADVC1010 or ADVC1021.  
Offered at Online, Providence  
3 Semester Credits

### **ADVC3003 Advertising Campaigns**

This advanced course covers the strategies employed to develop and implement successful communication campaigns using advertising, sales promotion, public relations and multimedia tools. Extensive analysis of successful communication campaign models is used to aid students in the development of creative and effective ideas. Students develop an advertising campaign for a marketing organization using one or more major selling ideas taught in the course.  
Prerequisite(s): ADVC2001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ADVC3010 Digital Media Planning**

This course provides students with the skills and knowledge required to be successful in today's digital advertising industry. Students focus on how paid search and digital display is used to optimize return on investment for marketing organizations. Students calculate the costs of reaching audiences and assess results using analytical tools. Students have the opportunity to gain industry certifications in search and digital display advertising.  
Prerequisite(s): ADVC1010 or DMSM1001 or SMW1001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits



### **ADVC3050 Special Projects in Integrated Marketing Communications**

This course provides students with the skills and knowledge required to be successful in today's fast-paced and dynamic advertising industry. Students majoring in advertising, marketing and graphic design are eligible for this course and work together in teams to develop and complete an integrated marketing communications plan consistent with what advertising agencies deliver to their clients. This course is offered twice over two consecutive terms. In the first term, students begin by conducting research for the client from which insights on positioning, creative and media strategies are developed. Strategies also include sponsorships, partnerships, events, public relations and the use of new media including digital, search optimization and social media strategies. In the following term, the course focuses on the execution of the various strategies including the creative, media, digital, social, web design, videos and collateral that are produced within a plans book and followed by a multimedia presentation that is presented to the client.

Prerequisite(s): ADVC1010, junior status.

Offered at Online, Providence

3 Semester Credits

### **ADVC4015 Integrated Marketing Communications Seminar I**

This course provides students, working in teams, the opportunity to develop fully integrated marketing communications plans for marketing organizations in the for-profit and non-profit sectors. Students create a fully executed integrated marketing communications campaign, utilizing the appropriate promotional mix elements, and including development of the following strategies: research, targeting, positioning, creative, and media. The campaign culminates in a cohesive pitch presentation to the client. The course also focuses on the identification of ethical and legal issues in advertising and provides students the opportunity to develop employment-ready portfolios to apply to their job search.

Prerequisite(s): ADVC2001, junior status.

Offered at Online, Providence

3 Semester Credits

### **ADVC4016 Integrated Marketing Communications Seminar II**

This course is the second part of ADVC4015. Students implement the strategy they developed in ADVC4015 and use their production budget and attendant costs. Students are required to design and produce advertising for print, broadcast, collateral, Internet and other forms (as recommended) of creative execution. The creative product must reflect an integrated communications concept and theme. Students also implement a public relations, sales promotion and direct marketing strategy that coordinates to reflect a seamless communications program.

Prerequisite(s): ADVC4015, junior status.

Offered at Online, Providence

3 Semester Credits

### **ADVC4020 Portfolio Seminar**

This course is designed to give advertising students an experiential portfolio-building seminar often in a simulated work environment, under the supervision of faculty with expertise in the advertising industry. Students assess their body of work, focusing on refining and evolving selected pieces, to show prospective creative directors the depth of creative and strategic skills, across traditional, digital and immersive forms of media. Students complete the course with a diverse and competitive e-portfolio, with a clear positioning statement about themselves, for an entry-level position on the creative side of advertising, or related creative fields.

Prerequisite(s): ADVC4015 or MRKT3005.

Offered at Online, Providence

3 Semester Credits

### **ADVC4050 Search Engine Marketing**

This course provides students with the knowledge and skills to develop effective search engine optimization practices with particular attention to content marketing strategies. Content marketing includes effective web writing and storytelling. Students explore the various components that go into creating websites resulting in high page rankings, leading to customer engagement and achieving organizational objectives. Topics include SEO architecture, key navigation and linking principles and content development and design principles. Dashboards are used to assess ROI and optimize website performance in terms of traffic and conversion. Certifications are available in Google Analytics.

Prerequisite(s): ADVC1010 or GDES1040, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **ADVC4120 Marketing Communications in an International Context**

This course is a variable credit course within the study abroad program. The student earns a variable 3.0 to 9 credits. The purpose of this course is for students to have an international experience in which they can gain firsthand knowledge of how organizations use positioning and communication strategies to achieve specific marketing objectives. Industry visits, cultural excursions and on-the-ground projects provide students with the knowledge and skills to develop integrated marketing communication plans, including advertising, public relations, and media strategies.

Prerequisite(s): ADVC1010, MRKT1001, acceptance into Study Abroad program.

Offered at Charlotte, Online, Providence

3-9 Semester Credits

## **Anthropology (ANTH) Courses**

### **ANTH1050 Cultural Anthropology**

Anthropology is the study of humankind in all of its diversity. It is divided into four subfields: physical (biological) anthropology, archeology, linguistic anthropology, and cultural anthropology. This course is focused primarily on cultural anthropology, which pays particular attention to culture and its pivotal influence on the social institutions and life experiences that make us human. Culture refers to the values, traditions and social practices shared by a group of people at a particular time and place. This course uses anthropology with its holistic approach and its emphasis on the ethnographic method (participant observation) to examine the richness and complexity of the human experience.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Online, Providence

3 Semester Credits

## **Art (ART) Courses**

### **ART2010 Introduction to Film**

This course is designed to give students an in-depth introduction to the motion picture medium. Students gain an understanding of the technical aspects of filmmaking and the ways in which movies express meaning through cinematography, production design, actor performance, editing, sound design, and narrative. The ideology of film and film theory are also explored.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ART2030 Music Appreciation**

This survey course of the history of music covers the elements of music, terminology, composition, form and style. It also explores the instruments, voices and ensembles that interact to create the art of music, focusing on periods of music after 1500 — Renaissance, Baroque, Classical, Romantic and Modern. American musical theater, jazz and music of world cultures are also studied. Emphasis is on developing critical listening skills and on developing an appreciation of music of many genres.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

### **ART3020 Art History**

This course provides an introduction to the understanding and appreciation of art. Emphasis is placed on the visual arts of painting, sculpture and architecture. The course covers the basic principles of design, form and techniques as well as a general chronological history of art from ancient to contemporary works. Students are encouraged to respond actively to works of art through class discussions, museum visits and class projects.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Online, Providence

3 Semester Credits

### **ART3110 World Cinemas**

This course is designed to give students an in-depth introduction to the rich and diverse history of film across the world. Through a series of case studies, students engage deeply with a broad range of international filmmakers, movements and styles, focusing on places such as France, Italy, Japan, China, Brazil, Mexico and more. Students explore the ways in which specific film styles and traditions develop in relation to 1) their own social/cultural contexts, 2) the global dominance of Hollywood Cinema and 3) the “transnational” context of an increasingly globalized film marketplace. In the process, students are not only exposed to a wealth of international films and filmmakers — they move beyond the classic pleasure of simply watching movies and develop the tools necessary to analyze films aesthetically, thematically and technically and to reflect critically upon the social meaning and importance of our global film culture.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Baking and Pastry Arts (BPA) Courses**

### **BPA1701 Foundations of Baking and Pastry**

This course provides students with essential baking and pastry skills. Through hands-on learning, students apply skills, food science and theories that lay the foundation for advancing through all levels of the baking and pastry program.

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1710 Principles of Cake Production and Design**

This course provides students with the skills and knowledge required for producing a variety of cakes using the appropriate mixing method. Students produce different types of buttercreams and icings to be used as fillings and for decorating. Students assemble, ice, stack, tier and finish using a variety of techniques to include buttercream, rolled fondant and glazing. Students develop skills in making various flowers using a range of mediums such as buttercream, modeling chocolate, marzipan, rolled fondant and gum paste. Students are introduced to principles of cake economics which includes costing, pricing and contracts.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1720 Plated Desserts**

This course covers preparation and presentation of individual hot and cold plated desserts using a variety of plating techniques. Plate design and menu concepts for pre-plated and a la minute service are emphasized. Flavor and textural development are highlighted. Dietary restrictions are introduced and applied to menu creation.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1730 Artisan Bread & Viennoiserie I**

This course provides an introduction to the skills, techniques and equipment of artisan bread and viennoiserie production through a variety of lean, enriched and laminated yeast dough products. Properties and characteristics of ingredients, the baker's percentage system, mixing techniques, controlled fermentation, and baking methodology are studied. Products include commercially yeasted breads, laminated dough and quick breads. Emphasis is placed on hand shaping skills and creating an efficient production schedule.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1740 Artisan Bread & Viennoiserie II**

Students in this course focus on natural fermentation and commercial yeast applications in lean and enriched doughs. Skills learned in Artisan Breads & Viennoiserie I are reinforced. Innovative and decorative shaping methods are introduced. Properties and characteristics of alternative, ancient and gluten free ingredients are explored. Emphasis is placed on the baker's percentage system, mixing methods, fermentation control, baking methodology and science.

Prerequisite(s): BPA1701 (or concurrent), 1730 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1750 Chocolate, Confections & Mignardise**

This course provides students with an overview of the cultivation of cacao and the stages involved with the production of chocolate couvertures. Students develop skills and demonstrate an understanding of various chocolate tempering methods. Skills are reinforced through the production of various chocolates and mignardise such as hand dipped pralines, molded bonbons, truffles and petits fours using various chocolates, fillings and finishing techniques. Students produce a variety of sugar confections and utilize decorative sugar mediums such as isomalt and pastillage.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA2710 Advanced Pastry Applications**

This course allows students to build upon previous coursework to design and construct a variety of petits fours, petits gâteaux and entremets. Students also explore the production of modern pâte à choux and puff pastry items. Emphasis is placed on the finishing and display techniques used for various market segments.

Prerequisite(s): Completion of all freshman baking labs.

Offered at Charlotte, Providence

3 Semester Credits

### **BPA2720 Artisan Cafe**

This course introduces and incorporates foundational culinary skills as well as retail and beverage counter service within the context of a pop-up cafe. Station organization, culinary skills and techniques, and café management are emphasized with the integration of current industry trends. Students produce culinary menu items and utilize a variety of baked goods in their daily production. Hot and cold beverage service are introduced and incorporated.

Prerequisite(s): Completion of all freshman baking labs.

Offered at Charlotte, Providence

3 Semester Credits

### **BPA3085 French Baking & Pastry Arts- Ecole Nationale Supérieure de Pâtisserie/ENSP**

Delivered entirely abroad by partner organization faculty, this course is designed specifically for students who desire to increase and enhance their skills in French pastry and baking. Theory, demonstration and practice are used to develop skills and knowledge in the French approach to tarts and entremets, chocolate and sugar art, petits fours, plated desserts, sorbets, ice cream, bread and Viennese pastry. The course also includes an introduction to modern technologies and trends as well as food photography, business and entrepreneurship and designing healthy pastries. Students master the techniques of baking and presenting/displaying products in an attractive manner in compliance with the rules of hygiene, traceability, health and safety as they apply to the kitchen. Small group settings provide personalized, interactive and efficient training.

Prerequisite(s): Completion of all Baking Pastry Arts freshman and sophomore labs, FSM1165.

Offered at Charlotte, Providence

12 Semester Credits

### **BPA3710 Tiered and Themed Cakes**

This course provides students with advanced knowledge and skills of designing contemporary wedding cakes/themed cakes using modern production and finishing techniques. Emphasis is on developing skills in piping, cake construction, gum paste flowers, and rolled fondant applications. Students learn the importance of managing their time, while producing tiered wedding cakes and themed bridal shower cakes.

Prerequisite(s): Completion of sophomore baking labs, junior status.

Offered at Providence

3 Semester Credits

### **BPA3720 Viennoiserie and Naturally Leavened Breads**

This course is designed to give students the opportunity to culture their own naturally leavened sourdough starter and use it in a bread of their own creation. The use of whole and specialty grains is covered as well as local and small-scale milling. There is a focus on sweet and savory enriched and laminated viennoiserie techniques. These two focuses are underpinned by the use of the baker's percentage system, cross utilization of dough and fillings, and alternative production methods.

Prerequisite(s): Completion of sophomore baking labs, junior status.

Offered at Providence

3 Semester Credits

### **BPA3730 Decorative Breads and Advanced Viennoiserie**

This course provides students with the skill of designing decorative and artisan bread displays and showpieces for marketing applications. Students research, design and develop a theme-specific showpiece. An additional focus is given to advanced viennoiserie, including laminated doughs with sweet and savory applications.

Prerequisite(s): Completion of sophomore baking labs, junior status.

Offered at Providence

3 Semester Credits

### **BPA3740 Contemporary Plated Desserts**

This course focuses on the preparation and presentation of contemporary plated desserts. Students use foundational pastry methods, modern techniques and sensory analysis application to create desserts with a well-rounded flavor and plate profile. Emphasis is placed on the skills needed to develop and manage a dessert menu. Students apply fundamental and innovative pastry techniques to create and execute a contemporary multi-course dessert tasting menu with beverage pairings.

Prerequisite(s): Completion of sophomore baking labs, junior status.

Offered at Providence

3 Semester Credits

### **BPA4710 Advanced Petits Gateaux, Mini Pastries and Buffet Presentation**

This course focuses on the production and finishing of advanced petits gateaux as well as the planning and execution of dessert buffets. Emphasis is on developing flavors, textures and decorative components used in high-quality buffet items. Students collaborate to create a presentation of buffet desserts developed with season in mind.

Prerequisite(s): Completion of junior baking labs.

Offered at Providence

3 Semester Credits

### **BPA4720 Advanced Chocolate and Sugar Artistry**

This course covers advanced pralines, bonbons and confections using commercial production and finishing techniques. In addition, the course content includes aspects of planning, artistic design, preparation and arrangement of small showpieces made from chocolate, poured sugar, pulled sugar, blown sugar and pastillage.

Prerequisite(s): Completion of junior baking labs.

Offered at Providence

3 Semester Credits

## **Beverage (BEV) Courses**

### **BEV5100 General Studies in Fermentation Science**

This course explores fermentation in food and beverage systems with emphasis on the functional properties of microorganisms. Students are exposed to a range of topics including the role of microorganisms in generating flavor and aromas of foods, effect of fermentation on food properties, biologically active compounds, safety and process control in the food fermentation industry.

Offered at Online, Providence

3 Semester Credits

### **BEV5200 Advanced Global Wine Studies**

This advanced wine course provides an overview of the world of wine.

The vineyard and the winery are the initial focus which develops into sensory evaluation. The main wine producing areas of the world are covered examining the historical, cultural and legislative influences that have influenced the wines style and quality. Business principles are discussed where the main objective is to understand the marketability and profitability of wines and to make strategic business decisions. Depending on the knowledge and previous experience of the student, beverage certifications from internationally recognized organizations will be an option.

Offered at Online, Providence

3 Semester Credits

### **BEV5250 Advanced Global Studies in Beer and Brewing Operations**

The course provides students with a broad understanding of the beer and brewing industry within the context of the global beverage marketplace. Students examine the many issues faced by modern breweries of all sizes and types, including changes in consumer attitudes and behavior. Students build on a basic understanding of beer production styles to examine various supply chain models, changing regulatory climates, environmental and ethical considerations, and the applications of technologies to address industry challenges. Students develop strategies for sustainable growth and logistical process and operational efficiencies.

Offered at Online, Providence

3 Semester Credits

### **BEV5300 Advanced Global Spirits Studies**

This advanced spirit course provides an overview of the world of spirits. Distillation and the production of spirit is the primary focus which will develop into sensory evaluation. All spirit categories are covered from production to service. Business principles are discussed, and major global companies and their strategies are analyzed. Sales and marketing, product development, forecasting trends and brand innovations are a major component of this course. The legal aspects from a global standpoint are examined with the implications of importation and taxes. Depending on the knowledge and previous experience of the student, beverage certifications from internationally recognized organizations will be an option.

Offered at Online, Providence

3 Semester Credits

### **BEV5350 Advanced Beverage Marketing and Retail**

This course provides advanced studies in beverage marketing and retailing terminology and concepts. Students discuss market research, brand creation and establishment, packaging, integrating marketing communications strategies, the three-tier system for distribution, craft beverage tourism, pricing, digital media and legislation around beverage marketing.

Offered at Online, Providence

3 Semester Credits

### **BEV5400 Contemporary Issues in the Global Beverage Industry**

The nature, scope and significance of this course is to review, discuss and analyze current issues in contemporary global beverage management. Students utilize their knowledge and understanding from other courses to address present-day topics that have various impact within the industry. Daily and weekly news sources serve as primary references for the content of this course.

Offered at Online, Providence

3 Semester Credits

## **Biology (BIO) Courses**

### **BIO1011 General Biology - Cellular**

This course provides an introduction to the structure, function and genetics of living organisms. It is designed to be a first course for biology majors and to provide a foundation for more advanced courses in the biological sciences. Topics include the chemistry of biological molecules, cell structure and function, photosynthesis and cellular respiration, the cell cycle, mitosis, meiosis and sexual reproduction, and genetics. This course is taken concurrently with General Biology Laboratory - Cellular.

Prerequisite(s): Corequisite: BIO1016.

Offered at Charlotte, Providence

3 Semester Credits

**BIO1016 General Biology Laboratory - Cellular**

This is a laboratory companion course coordinated with BIO1011 that introduces students to techniques and equipment used in experimental biology. Students take an inquiry-based, self-guided learning approach to the discovery of cell structure and function, photosynthesis and cellular respiration, the cell cycle, and genetics. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): Corequisite: BIO1011.

Offered at Charlotte, Providence

1 Semester Credit

**BIO1022 General Biology - Organismal**

This course provides an introduction to evolution, the diversity of life on earth, plant and animal form, function, growth, development and reproduction, ecology and ecosystems. This course is taken concurrently with General Biology Laboratory - Organismal.

Prerequisite(s): Corequisite: BIO1026.

Offered at Charlotte, Providence

3 Semester Credits

**BIO1026 General Biology Laboratory - Organismal**

This is a laboratory companion course coordinated with BIO1022 that introduces students to techniques and equipment used in experimental biology. Students take an inquiry-based, self-guided learning approach to the discovery of the mechanisms of evolution, plant and animal development, and growth, ecology and ecosystems. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): Corequisite: BIO1022.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2001 Genetics**

This course provides students with the knowledge and analytical skills necessary to understand the principles of modern genetics. The nature of genes, genomes and chromosomes; mechanisms of recombination and mutation; Mendelian inheritance patterns; and genetic mechanisms underlying evolution are studied. Genetic studies performed on model organisms (such as bacteria, yeast and mold) are discussed to illustrate and reinforce genetic principles relating to human genetics and diseases.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.

Offered at Providence

3 Semester Credits

**BIO2003 Human Anatomy and Physiology I**

This course is the first course of a two-semester sequence in which human A&P are examined through a systems approach to the human body, where systems are examined based on the interaction between form and function from the organismal level to the microscopic components of the tissues. The topics covered in this first course are body plan and organization, homeostasis, chemistry and cellular biology, histology, integumentary system, skeletal system and articulations, muscular system, nervous system, general and special senses, and endocrine system.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1000 and CHM1006 or CHM1022 and CHM1026, Corequisite: BIO2006.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2006 Human Anatomy and Physiology I Laboratory**

In this laboratory course, students examine the macroscopic and microscopic structure of the human body using anatomical models, histology preparations, and dissection. Students collect, analyze and apply data to examine and understand human physiologic processes. Activities include experiments, computer simulations and measurement of physiologic activity in human subjects. Topics covered in this first course of the two course sequence are anatomical terminology, homeostasis and cellular transport mechanisms, histology, skeletal system and articulations, muscular system and movement, nervous system structure and physiology, general and special senses, endocrine system structures and physiology. Equipment commonly found in a medical setting is used. A&P I (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1000 and CHM1006 or CHM1022 and CHM1026, Corequisite: BIO2003.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2013 Human Anatomy and Physiology II**

This course is the second course of a two-semester sequence in which human A&P are examined through a systems approach to the human body, where systems are examined based on the interaction between form and function from the organismal level to the microscopic components of the tissues. The topics covered in this second course are cardiovascular system, lymphatic system and immunity, respiratory system, digestive system, nutrients and metabolism, urinary system, fluid/electrolytes and acid-base balance, and reproductive system.

Prerequisite(s): BIO2003, BIO2006, Corequisite: BIO2016.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2016 Human Anatomy and Physiology II Laboratory**

In this laboratory course, students examine the macroscopic and microscopic structure of the human body using anatomical models, histology preparations, and dissection. Students collect, analyze and apply data to examine and understand human physiologic processes. Activities include experiments, computer simulations and measurement of physiologic activity in human subjects. The topics covered in this second course of the two course sequence are cardiovascular system, respiratory system, digestive system, nutrients and metabolism, urinary system, fluid/electrolytes and acid-base balance, and reproductive system. Equipment commonly found in a medical setting is used. A&P II (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO2003, BIO2006, Corequisite: BIO2013.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2021 Functional Human Anatomy**

This course studies the functional anatomy of the human organism organized by body systems. The lecture portion explores structural and functional relationships in the human body. The microscopic and macroscopic structure of human tissues, organs and organ systems are examined with applications to health, wellness and disease states. Functional Human Anatomy (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1022 and BIO1026, or SCI1015, Corequisite: BIO2026.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2026 Functional Human Anatomy Laboratory**

This course explores the anatomical structure of the human body through the use of anatomical models, dissection of mammalian specimens and examination of prosected human cadavers. A regional/functional perspective is combined with a systemic overview of body systems. Functional Human Anatomy (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1022 and BIO1026, or SCI1015, Corequisite: BIO2021.

Offered at Charlotte, Providence

1 Semester Credit



**BIO2041 Human Physiology**

This course examines the molecular, cellular and tissue-level processes involved in the function of human organ systems. Emphasis is on maintenance of internal homeostasis, organ system integration and components of human disease. Concurrent enrollment in BIO2046 Human Physiology Laboratory is required. Human Physiology (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1022 and CHM1026 or CHM1000 and CHM1006, Corequisite: BIO2046.

Offered at Charlotte, Providence  
3 Semester Credits

**BIO2046 Human Physiology Laboratory**

This laboratory course allows students to collect, analyze and apply data to examine and understand human physiologic processes. Activities include experiments, computer simulations and measurement of physiologic activity in human subjects. Equipment commonly found in a medical setting is used. Human Physiology (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1022 and CHM1026 or CHM1000 and CHM1006, Corequisite: BIO2041.

Offered at Charlotte, Providence  
1 Semester Credit

**BIO2201 General Microbiology**

This course introduces the basic morphological, physiological and genetic aspects of various microbes, and explores the application of this information in medical, agricultural and industrial settings. Key topics include structure/function relationships, factors affecting the growth and control of microorganisms, microbial genetics and evolutionary mechanisms, host-microbe interactions, microbial ecosystems, and applied microbiology. Emphasis is on the relationship between developments in the field of microbiology and various aspects of modern society.

Prerequisite(s): (BIO1011/BIO1016 or SCI1015) and (CHM1000/CHM1006 or CHM1022/CHM1026 or CHM2040), Corequisite: BIO2206.

Offered at Charlotte, Providence  
3 Semester Credits

**BIO2206 General Microbiology Laboratory**

This is a laboratory companion course to be taken concurrently with General Microbiology. Students examine the properties of various microbes and factors affecting the growth and control of microbial agents. Throughout the term, students gain experience in light microscopy, pure culture and enrichment techniques, microbial identification, and enumeration. Emphasis is on appropriate and safe use of standard microbiological and molecular lab equipment and methods, as well as the ability to apply the scientific process.

Prerequisite(s): (BIO1011/BIO1016 or SCI1015) and (CHM1000/CHM1006 or CHM1022/CHM1026 or CHM2040), Corequisite: BIO2201.

Offered at Charlotte, Providence  
1 Semester Credit

**BIO2510 Plant Cultivation I: Soil, Soil Substitutes, and Disease Management**

This course provides an overview of the cultivation of select species of plants, from seeds to mature reproductive plants. This course introduces concepts related to the organization of the plant body at the tissue, organ and system level and the related abiotic factors necessary for plant cultivation. Students study the structure and function of the root and shoot systems with an emphasis on environmental, physical and cellular physiological factors required for successful plant cultivation, and disease and pest management. This course is taken concurrently with Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory.

Prerequisite(s): BIO1022 and BIO1026, Co-requisite: BIO2516.

Offered at Providence  
3 Semester Credits

**BIO2516 Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory**

This laboratory course provides an overview of the cultivation of select species of plants, from seeds to mature reproductive plants. This course introduces concepts related to the organization of the plant body at the tissue, organ and system level and the related abiotic factors necessary for plant cultivation in soil and soil substitute growing medium. Students study the structure and function of the root and shoot systems with an emphasis on environmental, physical and cellular physiological factors required for successful plant cultivation, and disease and pest management. This course is taken concurrently with Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Lecture.

Prerequisite(s): BIO1022 and BIO1026, Co-requisite: BIO2510.

Offered at Providence  
1 Semester Credit

**BIO3010 Principles of Biochemistry**

Biochemistry applies the knowledge gained in general and organic chemistry to biological systems. Students gain an understanding of metabolic pathways, energy production, and metabolic regulatory mechanism in eukaryotes and prokaryotes. Students analyze primary journal articles that focus on the application of biochemistry in the health sciences, such as cancer screening, vaccine production, and Alzheimer's prevention. Additionally, students research fundamental biochemical techniques such as protein purification and enzyme kinetics.

Prerequisite(s): CHM2011, CHM2016.

Offered at Providence  
3 Semester Credits

**BIO3040 Molecular Biology**

This course provides students with the opportunity to study current topics related to DNA replication, mutation, recombination and gene expression in prokaryotes, eukaryotes and their viruses. Students analyze primary journal articles that focus on the application of molecular biology in the health sciences, such as nutrigenomics, RNAi and epigenetic regulation. Additionally, students debate the ethics behind cloning and the genetic modification of organisms.

Prerequisite(s): BIO2001.

Offered at Providence  
3 Semester Credits

**BIO3046 Molecular Biology Laboratory**

This course uses select technologies to probe the central dogma of biology: DNA→RNA→Protein. Students carry out experiments to extract, purify and modify DNA, RNA and proteins within a model organism. Students use bioinformatic techniques in the design of their experiments. This course helps students to identify appropriate technologies to use when performing molecular biology procedures and prepares students seeking an entry position in the field of biotechnology and/or entry into a graduate research lab.

Prerequisite(s): BIO2001, Corequisite: BIO3040.

Offered at Providence  
1 Semester Credit

**BIO3070 Evolution**

This course provides a background into the mechanisms of evolution including natural and other forms of selection and the role of genetic variation, mutations and genetic drift in these processes. Problems associated with classification and inferring phylogenetic relationships between organisms are also examined. Other topics include a history of life on earth, causes of speciation and extinction, coevolution, human evolution and cultural evolution.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.

Offered at Providence  
3 Semester Credits

**BIO3100 Coastal Ecology**

This course examines the characteristics of coastal marine habitats, the flora and fauna of these habitats, and their ecological relationships. Anthropogenic effects on coastal habitats are also examined.

Prerequisite(s): BIO1022 and BIO1026, Corequisite: BIO3106.

Offered at Providence  
3 Semester Credits

### **BIO3106 Coastal Ecology Laboratory**

This laboratory companion course coordinates with BIO3100. This course uses an inquiry-based learning approach to reinforce fundamental ecological concepts and introduce students to methods of data collection and analysis commonly used in ecology. Students are required to organize, analyze, interpret and present ecological data collected using various laboratory and field methods. Additionally, this laboratory course provides students with the opportunity to practice laboratory and field safety procedures. Special consideration is given to concepts and methods relevant to research conducted in the coastal environment.

Prerequisite(s): BIO1022 and BIO1026, Corequisite: BIO3100.

Offered at Providence

1 Semester Credit

### **BIO3400 Fundamentals of Pharmacology**

This course integrates knowledge from core science courses including physiology, biochemistry and cellular and molecular biology to ascertain the relationship between biological processes and therapeutic agents. An understanding of pharmacology basics, including pharmacokinetics, pharmacodynamics and a systematic cognizance of pharmacotherapy is emphasized. Course content brings an awareness of the adverse effects of pharmacologic agents on humans, animals, microorganisms and ecosystems.

Prerequisite(s): (SCI1015 or (BIO1011, BIO1016), SCI2031) or (BIO2041, BIO2046), sophomore status.

Offered at Online, Providence

3 Semester Credits

### **BIO3510 Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction**

This course builds upon the major concepts introduced in BIO2510: Plant Cultivation I: Soil, Soil Substitutes, and Disease Management. Students learn how to propagate plants from cells, seeds, and mature vegetative cuttings, via hydroponic, aquaponics and tissue culture systems. The application of biotechnology to optimize and create economically valuable plants is discussed. Students are introduced to harvesting of targeted parts of the plant and chemical extraction techniques to isolate bioactive compounds for medicinal purposes. This course is taken concurrently with Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetic Manipulation and Extractions Laboratory.

Prerequisite(s): BIO2510, BIO2516 and (CHM1000/CHM1006 or CHM1022/CHM1026), Corequisite: BIO3516.

Offered at Providence

3 Semester Credits

### **BIO3516 Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction Laboratory**

This laboratory companion course coordinates with BIO3510. Students have the opportunity to implement the techniques and equipment used to propagate plants from cells, seeds, and mature vegetative cuttings, via hydroponic, aquaponics and tissue culture systems. The application of biotechnology to optimize and create economically valuable plants are discussed and applied. Students learn how to harvest targeted parts of the plant and are introduced to chemical extraction techniques used to isolate bioactive compounds for medicinal purposes.

Prerequisite(s): BIO2510, BIO2516 and (CHM1000/CHM1006 or CHM1022/CHM1026), Corequisite: BIO3510.

Offered at Providence

1 Semester Credit

### **BIO4020 Integrative Biology**

Integrative biology is a capstone biology course that applies the fundamental biological concepts of genetics, molecular biology, biochemistry, evolution and ecology to explain biological systems from molecules to communities. This course uses primary literature and bioinformatics to explore microbial interactions, personalized medicine, and biomics. This course is paired with BIO4026 Integrative Biology Laboratory, which allows students to complete a senior research project tied to one of the major topic areas.

Prerequisite(s): BIO3040, Corequisite: BIO4026.

Offered at Providence

3 Semester Credits

### **BIO4026 Integrative Biology Laboratory**

This course is a thematic laboratory experience associated with BIO4020 Integrative Biology. This course requires students to investigate a scientific problem through a laboratory, in silico, and/or field research study in one of the following areas: microbial host interactions, personalized medicine, or biomics. Students develop skills essential for becoming an active member of the scientific community and workforce, such as scientific literacy, experimental design, modern research techniques, data collection and analysis, and scientific oral and written communication.

Prerequisite(s): BIO3040, Corequisite: BIO4020.

Offered at Providence

1 Semester Credit

### **BIO4040 Functional Histology**

This course focuses on the relationship between structure and function of the microscopic aspects of mammalian cells, tissues, and organ systems. It begins with examination of the four basic tissue types. This background is then applied to the histological examination of human organ systems. Functional relationships are emphasized by contrasting normal and pathological specimens.

Prerequisite(s): BIO2021, BIO2026, Corequisite: BIO4046.

Offered at Providence

3 Semester Credits

### **BIO4046 Functional Histology Laboratory**

This course supplements BIO4040, giving students a hands-on experience with microscopic investigation of the histological structure of mammalian tissues with a specific focus on human histology. The laboratory includes experience preparing tissue and making slides of animal tissue.

Prerequisite(s): BIO2021, BIO2026, Corequisite: BIO4040.

Offered at Providence

1 Semester Credit

### **BIO4070 Fundamentals of Immunology**

This is a survey course that introduces students to basic concepts of immunology and fosters an understanding of the immunological processes that underlie human disease pathogenesis.

Prerequisite(s): BIO1011, BIO1016, BIO3010 or CHM3040.

Offered at Providence

3 Semester Credits

### **BIO4100 Senior Seminar in Biology**

This is a capstone biology course that allows students to integrate all previous coursework to examine relevant topics in biology. Each term the course focuses on one such topic, and students are charged with finding, analyzing and critically discussing relevant primary journal articles related to that theme. Additionally, students are assigned a research project, for which they must complete a written report and oral presentation.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026, CHM1022, CHM1026, MATH2010, senior status.

Offered at Providence

3 Semester Credits

### **BIO4510 Applications of Plants & Fungi**

This course presents an in-depth look at the evolution of plants and fungi and their respective uses in our society. Students immerse themselves in the structure, function and life cycle of representative members of the Kingdom Plantae and Fungi. Students explore how plants and fungi contribute to all aspects of modern society, such as food, medicine, industrial application, clothing, biotechnology, energy, etc.

Prerequisite(s): BIO3510, BIO3516, Corequisite: BIO4516.

Offered at Providence

3 Semester Credits

### **BIO4516 Applications of Plants & Fungi Laboratory**

This laboratory companion course coordinates with BIO4510. This course uses hands-on experiences to reinforce the major concepts associated with the evolution of plants and fungi and their respective uses in our society. Students immerse themselves in the structure, function and life cycle of representative members of the Kingdom Plantae and Fungi. Students explore how plants and fungi contribute to all aspects of modern society, such as food, medicine, industrial application, clothing, biotechnology, energy, etc.

Prerequisite(s): BIO3510, BIO3516, Corequisite: BIO4510.

Offered at Providence

1 Semester Credit

## Biomedical Engineering (BME) Courses

### **BME3010 Biomaterials**

This course focuses on the properties, structure, and design of biomaterials, biologic response and integration with them, and clinical considerations to biomaterials in the development of medical devices. Biomaterials is an interdisciplinary field of material science, engineering mechanics, chemistry and biology. Topics include structure and properties of materials, biomaterial manufacturing processes, surface properties of materials, biological interactions with biomaterials, biological integration with biomaterials, wound healing, coatings and adhesives, drug delivery, and regulatory and ethical issues related to biomaterials.

Prerequisite(s): CHM1000, CHM1006, ENGN3075 (or concurrent), SCI2031.

Offered at Providence

3 Semester Credits

### **BME3020 Biomechanics**

Biomechanics is an undergraduate course that builds upon and applies the concepts in Physics I, Physics II, Statics, and Dynamics to human function and movement, and an introduction to viscoelasticity of tissues. This course covers the analysis of forces in static and dynamic biological systems, the application of stress and strain analysis to biological tissues, structure function relationships in tissues and organ systems, and instrumentation systems.

Prerequisite(s): ((PHY1011, PHY1016) or (PHY2011, PHY2016), (PHY1022, PHY1026) or (PHY2022, PHY2026)), ENGN3025 (or concurrent).

Offered at Providence

3 Semester Credits

### **BME4010 Medical Imaging Modalities**

Medical Imaging Modalities presents the fundamentals of multiple modalities of biomedical imaging and biological signal recording and provides students with exposure to the critical topics in mathematics, physics and computer science that constitute the conceptual core of modern medical imaging. An additional goal of the course is to familiarize the students with the standard clinical and research applications of the several imaging modalities available in most large hospitals and research institutions. Topics include clinical biomedical imaging modalities (e.g., x-ray, CT, ultrasound, MRI, PET), physics of imaging modalities, recordings of biological signals (e.g., EEG, EcoG, ECG), the use of stimulation devices in the body (e.g., pacemakers, TMS, DBS, focused ultrasound), and emerging imaging modalities.

Prerequisite(s): ENGN2101, ENGN2102, ENGN3025, SCI2031.

Offered at Providence

3 Semester Credits

### **BME4020 Interventional Physiology - Medical Device Innovation**

This course examines the development of medical devices, instrumentation, pharmaceuticals, and emerging technologies. It introduces students to many aspects of biomedical innovation including the research, design constraints, standards and regulations to create a commercial medical product. Cases studies are selected from existing and emerging technologies including heart valves, vascular stents, joint replacement devices and instrumentation, neural stimulation techniques, biometrics, and artificial intelligence/machine learning technologies. Students review the anatomical and physiological context and constraints for the technology or device and compare how the technology/device relates to existing therapies. In addition to the physical and physiological aspects of innovation, students learn about industry and manufacturing regulation and quality, clinical trials, and bioethical aspects of the technology.

Prerequisite(s): BIO1011, BIO1015, SCI2031.

Offered at Providence

3 Semester Credits

### **BME4030 Biomedical Engineering Design**

This capstone course is an intensive, semester-long, project-based course in which students select, plan for and design a novel device or technology or an improvement to an existing technology. Students work independently on a design or technical problem resolution or in project teams to apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities, and refine critical thinking, problem solving skills and project management skills. This course reinforces issues of intellectual property, bioethics and safety. Students submit their work for regular phase reviews on specific time schedules to monitor project progress, troubleshooting, quality and functionality of the prototype.

Prerequisite(s): BME3010, BME3020, BME4020.

Offered at Providence

3 Semester Credits

## Career Management (CAR) Courses

### **CAR0010 Career Management**

This career management course focuses on preparing and empowering students to make effective career choices, demonstrate professionalism, identify and pursue internships, and begin to navigate their career direction. Students learn a variety of methods to personally brand themselves, enhance and customize their job search materials, and market themselves effectively to employers. Various job search, networking and interview techniques are reinforced. Other topics include personal financial management and exploring graduate-level programs.

Prerequisite(s): 60 semester credits.

Offered at Charlotte, Providence

1 Semester Credit

## Chemistry (CHM) Courses

### **CHM1000 Foundations in Chemistry**

This is a comprehensive course for those fields requiring knowledge of general chemical concepts. Emphasis is on applied areas of interest where aspects of atomic and molecular structure and function are particularly important. Topics covered include stoichiometry of chemical reactions, energy interrelationships between reactants, atomic structure and chemical bonding.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1006.

Offered at Providence

3 Semester Credits

### **CHM1006 Foundations in Chemistry Laboratory**

This is a laboratory companion course coordinated with CHM1000. Emphasis is on inquiry-based exercises that illustrate and demonstrate important skills and principles of theoretical chemistry and applied chemistry. Topics covered include stoichiometry of chemical reactions, energy interrelationships between reactants, atomic and molecular structure, and chemical bonding.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1000.

Offered at Providence

1 Semester Credit

### **CHM1011 General Chemistry I**

This is the first course in general chemistry. Students take an active-learning approach to the discovery of scientific measurements, atomic structure, stoichiometry, thermochemistry, electron configurations, bonding models for chemical compounds, VSEPR (Valence Shell Electron Pair Repulsion) and gases.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1016.

Offered at Charlotte, Providence

3 Semester Credits

### **CHM1016 General Chemistry I Laboratory**

General Chemistry I is a laboratory companion course coordinated with CHM1011 which introduces students to techniques and equipment used in experimental chemistry. Students take a guided inquiry-based approach to the discovery of the structure of atoms, scientific measurements, proper calculations of chemical reactions, thermochemistry, spectroscopy and the states of matter. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1011.

Offered at Charlotte, Providence

1 Semester Credit



### **CHM1022 General Chemistry II**

This course is the second course in general chemistry. Students take an integrated learning approach to the discovery of intermolecular forces, properties of solutions, kinetics, equilibria, acid/base chemistry and electrochemistry.

Prerequisite(s): CHM1011, CHM1016, MATH1030, Corequisite: CHM1026.

Offered at Charlotte, Providence

3 Semester Credits

### **CHM1026 General Chemistry II Laboratory**

This is a laboratory companion course coordinated with CHM1022 that introduces students to techniques and equipment used in experimental chemistry. Students take an inquiry-based, self-guided learning approach to the discovery of acid-base reactions, calculations of chemical equilibrium, investigations into the structure of solids and liquids, behavior of gases under various conditions, and calculations of solution concentrations. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM1011, CHM1016, MATH1030, Co-requisite: CHM1022.

Offered at Charlotte, Providence

1 Semester Credit

### **CHM2011 Organic Chemistry I**

This is the first course in the sequence of organic chemistry. In this course, students investigate carbon and its role in the formation of biomolecules. Emphasis is given to the classification of carbon-based reactions, naming of carbon-based compounds (alkanes, alkenes and alkynes), stereochemistry and spectroscopy.

Prerequisite(s): CHM1022, CHM1026, Corequisite: CHM2016.

Offered at Providence

3 Semester Credits

### **CHM2016 Organic Chemistry I Laboratory**

This is a laboratory companion course coordinated with CHM2011 Organic Chemistry I that introduces students to techniques and equipment used in experimental organic chemistry. Students use an inquiry-based approach to the discovery of the synthesis of organic compounds, compound characterization using analytical techniques, and the development and evaluation of separation protocols. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM1022, CHM1026, Corequisite: CHM2011.

Offered at Providence

1 Semester Credit

### **CHM2022 Organic Chemistry II**

This course is a continuation of CHM2011 Organic Chemistry I. Emphasis is given to substitution and elimination reactions, alcohols, phenols, ethers and their sulfide derivatives, aldehydes, ketones, carboxylic acids and their derivatives, aromatic systems, amines, amides, construction of carbohydrates, amino acids, and lipids.

Prerequisite(s): CHM2011, CHM2016, Corequisite: CHM2026.

Offered at Providence

3 Semester Credits

### **CHM2026 Organic Chemistry II Laboratory**

This is a laboratory companion course coordinated with CHM2022 Organic Chemistry II, which introduces students to techniques and equipment used in experimental organic chemistry. Students take an inquiry-based approach to the discovery of reactions that produce alcohols, aldehydes, carboxylic acids, ethers, esters, amines, amides, phenols, and aromatic compounds. Emphasis is given to proper synthesis and analytical evaluation of chemical reaction products. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM2011, CHM2016, Corequisite: CHM2022.

Offered at Providence

1 Semester Credit

### **CHM2040 Introduction to General and Organic Chemistry**

This course examines the chemistry of carbon-containing molecules relevant to biological systems such as the human body, beginning with basic atomic structure, chemical bonding and reactions, and the chemistry of acids, bases, buffers and salts. Organic chemistry of all functional groups are examined, including saturated/unsaturated hydrocarbons, aldehydes and ketones, carboxylic acids, amines and alcohols. Emphasis is given to those compounds of biochemical importance.

Offered at Charlotte, Providence

3 Semester Credits

### **CHM2050 Introduction to Organic Chemistry**

This course is a one-term overview of organic chemistry intended for students in the health science fields. Nomenclature, properties and reactivity are covered for major organic functional groups, including alkanes, alkenes, alkynes, aromatics, aldehydes and ketones, carboxylic acids, amines, amides, alcohols, thiols, and sulfides. Emphasis is on those compounds, reactions and properties of biochemical importance.

Prerequisite(s): CHM1000, CHM1006 or CHM1022, CHM1026.

Offered at Charlotte, Providence

3 Semester Credits

### **CHM2056 Introduction to Organic Chemistry Laboratory**

This is a laboratory companion course coordinated with Introduction to Organic Chemistry. Emphasis is on inquiry-based exercises that illustrate and demonstrate important skills and principles of organic chemistry. Topics include solubility properties, basic organic chemistry laboratory techniques (including extraction and chromatography), and organic reactions with particular focus on those of interest to students in the nutrition and health science fields. Throughout this course, an evidence-based approach to exploration of organic laboratory experiments that are of interest to students in the nutrition and health science fields is emphasized.

Prerequisite(s): CHM1000, CHM1006, or CHM1022, CHM1026, Corequisite: CHM2050.

Offered at Charlotte, Providence

1 Semester Credit

### **CHM3040 Biochemistry**

This course introduces basic concepts of chemistry and organic/biological chemistry with emphasis on applications of chemistry to human biology, structure of biological molecules and metabolism. Typical topics include chemical bonds and energy, electrolytes, structure and metabolism of carbohydrates and lipids, protein and enzyme function, and structure and function of nucleic acids.

Prerequisite(s): (CHM2040, SCI1015) or (CHM2050, BIO1011/BIO1016).

Offered at Charlotte, Providence

3 Semester Credits

### **CHM3046 Biochemistry Laboratory**

This is a laboratory companion course coordinated with CHM3040. This course applies the basic concepts of biological chemistry to the laboratory setting. Emphasis is on inquiry-based experiments that ask students to explore fundamental concepts and experiments in biochemistry. Topics include experiments that focus on critical biochemical topics including biological buffer systems, amino acid/protein structure and properties, as well as the content of food and other biochemical topics of interest. Throughout this course, an evidence-based approach to exploration of organic laboratory experiments that are of interest to students in the nutrition and health science fields is emphasized.

Prerequisite(s): CHM2040 or CHM2050 or SCI2045 or CHM2011/CHM2016, SCI1015 or BIO1011/BIO1016, Corequisite: CHM3040 or BIO3010.

Offered at Charlotte, Providence

1 Semester Credit

### **CHM3200 Analytical Chemistry**

Analytical chemistry is a measurement science that is used in chemistry as well as throughout all fields of science and medicine. This course introduces students to the theory and applications of quantitative analytical chemistry. Topics covered include statistical data analysis; equilibrium constants expressions; acid-base reactions; volumetric analysis; and fundamentals of spectroscopy, electrochemistry, and of separations science. Laboratory experiments include learning about analytical process, calibration of glassware and equipment, wet chemical analysis, electrochemistry, spectroscopy and chromatography.

Prerequisite(s): CHM1022, CHM1026.

Offered at Providence

3 Semester Credits

## College of Arts & Science (ASCI) Courses

### **ASCI4799 College of Arts & Sciences Internship**

Students enrolled in the College of Arts & Sciences Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with workplace challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.5 and 2) have completed 57 hours of course work, (except for Media Communications Studies students with a required internship, GPA 2.0).

Offered at Charlotte, Online, Providence

3-12 Semester Credits

## College of Business (BUS) Courses

### **BUS1001 Introduction to Business and Management**

This course provides students with a fundamental understanding of the global business environment. Students examine the major disciplines within business using business terminology and current business practices. Career exploration and development of professional interests and competencies are integral to this course.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **BUS3010 Business Analytics**

This course explores the dynamic field of business analytics and how big data informs decisions made in accounting, advertising, finance, management, marketing and retail contexts. Students conduct analysis using multiple business intelligence platforms and tools. They learn to organize, analyze and create projections utilizing data sets. Students interpret, model and present data, as well as make data-driven decisions. This course uses a range of methods to demonstrate how analytical skills can be used in a variety of business circumstances to enable competitive advantage.

Prerequisite(s): FISV2000, MATH2001, MGMT2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **BUS4030 Global Strategy Capstone**

This capstone course requires students to synthesize knowledge gained from previous coursework to make decisions in a simulated business environment. Understanding the key strategic opportunities and challenges associated with global business activity and developing skills in this area have become essential requirements for success. Students work in teams to compete against classmates as well as teams from other universities around the world. Teams are challenged to apply lessons in developing and executing global corporate strategy to their own simulated company. This course is designed to provide students with the knowledge, skills and business judgment to create sustainable competitive advantage within a global context.

Prerequisite(s): BUS3010, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **BUS4799 College of Business Internship**

Students enrolled in the College of Business Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success within their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0, and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

### **BUS6799 College of Business Graduate Internship**

This course engages students in experiential learning to advance and refine their abilities as management professionals. Throughout the internship experience, students integrate graduate studies with previously acquired field/industry specific skills to support the operational/strategic initiatives of the host site and gain important insights into the leadership of successful ventures.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 3.5, and 2) have completed 27 hours of course work, and 3) approval of department chair.

Offered at Online, Providence

3 Semester Credits

## College of Food Innovation & Technology (CFIT) Courses

### **CFIT2699 College of Food Innovation & Technology Intermediate Internship**

Students enrolled in the College of Food Innovation & Technology Intermediate Internship engage in experiential learning to integrate knowledge and skills learned in the classroom within a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen professional field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations within the food industry. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 2) have completed all freshman lab courses, and 3) successful completion of FSM1165.

Offered at Charlotte, Providence

3-12 Semester Credits

### **CFIT2799 College of Food Innovation & Technology Intermediate Internship**

Students enrolled in the College of Food Innovation & Technology Intermediate Internship engage in experiential learning to integrate knowledge and skills learned in the classroom within a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen professional field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations within the food industry. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 2) have completed all freshman lab courses, and 3) successful completion of FSM1165 or FSM1185.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

#### **CFIT4799 College of Food Innovation & Technology Advanced Internship**

Students enrolled in the College of Food Innovation & Technology Advanced Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to leverage connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the food industry. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success within their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 and 2) have completed 90 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

### College of Health & Wellness (CHW) Courses

#### **CHW4799 College of Health & Wellness Internship**

Students enrolled in the College of Health & Wellness Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the fields of health and wellness. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75, and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

### College of Hospitality Management (COHM) Courses

#### **COHM3010 The Tiefel Project Seminar I**

Tiefel Project I is the first of two application-based seminar courses through which students selected as Tiefel Student Scholars develop a problem-based research project related to a current issue/topic in the hospitality industry under the guidance of JWU faculty and industry leaders. During this first seminar, students work collaboratively to develop a formal research proposal to be reviewed by industry mentor/s. Students also engage in collecting data focused on answering their research questions. (Hybrid Delivery).

Prerequisite(s): Selection as a Tiefel Student Scholar, sophomore status.

Offered at Charlotte, Providence

1.5 Semester Credits

#### **COHM3020 The Tiefel Project Seminar II**

Tiefel Project II is the second of two application-based seminar courses through which students selected as Tiefel Student Scholars complete a problem-based research project related to a current issue/topic in the hospitality industry under the guidance of JWU faculty and industry leaders. During this final seminar, students complete an approved research project supported by assigned JWU faculty serving as Tiefel Faculty Fellows. Additional guidance is provided through periodic touchpoints with one or more industry mentors. Students also develop and deliver formal presentations to share findings with diverse audiences. The culminating presentation event takes place through The Tiefel Project Showcase. (Hybrid Delivery).

Prerequisite(s): Selection as a Tiefel Student Scholar, sophomore status.

Offered at Charlotte, Providence

1.5 Semester Credits

#### **COHM4799 College of Hospitality Management Internship**

Students enrolled in the College of Hospitality Management Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and managerial skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to leverage connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the field of hospitality management. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

#### **COHM6799 College of Hospitality Management Graduate Internship**

Students enrolled in the College of Hospitality Management Graduate Internship engage in experiential learning to advance and refine abilities as management professionals. Throughout the internship experience, students integrate graduate studies with previously acquired field/industry specific skills to support the operational/strategic initiatives of the host site and gain important insights into the leadership of successful ventures.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 3.5, and 2) approval of department chair.

Offered at Online, Providence

3 Semester Credits

### Community Justice (COMJ) Courses

#### **COMJ1020 Community Justice**

This course examines the origins and framework of the community justice movement as a means to achieve justice and prevent crime within localized jurisdictions, while improving quality of community life. This course prepares students to examine various ideas and strategies, such as community organizing, environmental crime prevention, and public-private/nonprofit partnerships as a means to assist criminal justice agencies in strengthening their relationships with the community in order to build healthy and viable communities, while being more responsive to community needs. Additional topics include exploring the decentralization of authority and accountability within our criminal justice system by encouraging front-line workers to take the initiative in order to solve community problems with a focus on bringing citizens into the justice process as advisers, stakeholders, collaborators and partners. Assignments and projects give students opportunities to examine the role of community justice in the context of distinctions and similarities in the use of informal (as opposed to formal) social control as a more effective means of crime management, while engaging in a critical assessment of the limitations, as well as the future of community justice.

Offered at Providence

3 Semester Credits

#### **COMJ1080 Restorative Justice**

This course examines the historical foundations and theoretical framework of restorative justice. By providing a unique perspective on assessing crime and responding to the strains it places upon the offender and victim, as well as the community, this course explores the pillars of harm, obligation, engagement and participation of all stakeholders. This course also examines the implementation of restorative justice practices and policies in order to broaden and enrich prevailing approaches to crime prevention, community building and criminal justice. This course therefore explores the importance of various restorative processes and practices, such as victim-offender mediation, family group conferencing, victim impact panels, peacemaking circles, as well as reparative boards. Assignments and projects give students opportunities to examine the role of restorative justice in the context of distinctions and similarities with transitional justice, while engaging in a critical assessment of the limitations as well as the future of restorative justice.

Offered at Providence

3 Semester Credits

### **COMJ2030 Race, Crime and Justice**

This course is an exploration of the historical intersection between race, crime, and the juvenile/criminal justice systems, as well as the extent of victimization. This course examines various contemporary issues critical to understanding race and crime through an analysis of policing, courts and corrections in the past and the present, as well as disparities in sentencing and the death penalty. In addition, this course explores existing challenges to the study of race and crime, such as hate/bias crimes, racial profiling, immigration and crime, as well as sentencing disparities, disenfranchisement, and wrongful convictions. Theoretical perspectives on race and crime and the collection of crime data in the United States are compared and contrasted.

Offered at Providence

3 Semester Credits

### **COMJ3050 Cultural Awareness and Diversity in Criminal Justice**

This course provides students with a background and understanding of the importance of cultural awareness and diversity within our criminal justice system. The course offers a comprehensive examination of existing influences of culture, race, ethnicity, gender and sexual orientation in multicultural communities within criminal justice. The course also looks at the importance of embracing community partnerships with law enforcement as a means to develop successful strategies to alleviate crime trends within multicultural communities and improve professionalism, as well as enhanced and enriched communication with members of diverse groups. Other course topics to be discussed in a broader context include police/community mutual stereotypes, implicit biases, the importance of verbal de-escalation in law enforcement, as well as the importance of improved cross-cultural competency, and improved cross-racial and interethnic relations.

Offered at Providence

3 Semester Credits

### **COMJ4060 Change and Innovation in Law Enforcement**

This course provides an expansive insight into an array of reforms and innovations in policing from a domestic and global perspective. The course explores evolving areas in police procedure, such as the internet and social media, relationships between higher education and professionalization and accountability, and the restructuring of police relationships with the public in order to develop trust through diversity training within policing and public support for aggressive policing. In addition, students examine challenges being faced by the movement toward innovations in policing and the resistance of adhering to the long-standing origins and traditions of law enforcement. Topics include women in policing, police downsizing and corruption, as well as law enforcement in the fight against terrorism.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

## **Computer Engineering (CENG) Courses**

### **CENG4030 Digital Integrated Circuit Design**

This design course covers CMOS technology and hierarchical VLSI design methodology with a system perspective. Topics include VLSI processing technology, physical design, fabrication and layout process, floor planning, analog and digital simulation of integrated circuits, combination and sequential digital circuit, existing digital system integration, and digital to analog interface circuit. This is a project-based course that requires intensive design and simulation work on a computer.

Prerequisite(s): ENGN3150, ENGN3151, ENGN3180.

Offered at Providence

3 Semester Credits

### **CENG4040 Senior Design I**

This course is the first course in a two course design sequence. A focus of the course requires design, modeling, computer-aided design and implementation of elements of a computer system. Essential fundamentals of the course include the methodology, planning, optimization, failure and reliability issues, ethical issues in design and execution of computer system design.

Prerequisite(s): ENGN3180.

Offered at Providence

3 Semester Credits

### **CENG4050 Senior Design II**

This is the second course in a two course design sequence. In this course, students develop system integration skills for problem solving in computer engineering. Synthesis and analysis of elements of a computer system are integrated into an overall computer engineering system design. Simulation and prototypes of subsystems with interim and final design applications are required.

Prerequisite(s): CENG4040.

Offered at Providence

3 Semester Credits

## **Computer Science (CSIS) Courses**

### **CSIS1000 Problem Solving and Programming Concepts**

This introductory course teaches students the fundamentals of problem solving in computer programming. Students learn to use both textual and graphic algorithms as problem-solving tools. In experience-based learning exercises, students work from a problem statement, conduct a task analysis to solve the problem, decide what data is needed to solve the problem, create a visual representation of their solution, and then convert the visual representation to a textual step-by-step statement of their solution. Students use a range of tools currently used in industry, including functional decomposition diagrams, flowcharts, UML diagrams, use cases, metadata charts, data flow documents and pseudocode.

Offered at Online, Providence

3 Semester Credits

### **CSIS1020 Fundamentals of C Programming**

This introductory programming course teaches students how to program in the C computer language, a fundamental skill for technology professionals. Students learn how to design and develop computer programs using standard strategies and techniques used in industry. Topics covered include how programs are structured, how arrays and strings can be processed, and how files are manipulated.

Prerequisite(s): CSIS1000 or FIT1012 or FIT1025 or ENGN1015.

Offered at Providence

3 Semester Credits

### **CSIS1101 Computer Science I**

This course teaches students to think algorithmically and solve problems efficiently. This course is designed to present an introduction to computer science doctrine; an understanding of core algorithmic concepts (e.g., control structures, assignment, decision structures, mathematical/Boolean operations, etc.); an introduction to structured computer programming languages, problem classification, program development and specification; software development planning techniques; debugging techniques; an introduction to the power of development environments; and documentation of software projects. Students design algorithms to solve problems and learn how to translate these algorithms into working computer programs. Experience is acquired through programming projects in a high-level programming language.

Prerequisite(s): CSIS1000.

Offered at Online, Providence

3 Semester Credits

### **CSIS1112 Computer Science II**

This course further enhances students' understanding of computer science theory and methods and provides an introduction to the study of important algorithms. Main themes include designing with appropriate data structures (Advanced Data Types — ADTs) and classic algorithms, and analyzing the efficiency of the algorithms developed. Classic algorithms studied include those used for recursion, sorting, searching, graph algorithms and maintaining dynamic data structures. ADTs are presented from a generic/usage-oriented perspective.

Prerequisite(s): CSIS1101 or ENGN2009.

Offered at Online, Providence

3 Semester Credits



### **CSIS2018 Advanced Data Structures**

This is an essential course in the adaptation of ADTs for use in solving complex or computationally expensive problems efficiently. This course provides students with the implementation level details of various ADTs as they are applied to solving a wide array of problems. The course provides advanced programming techniques for implementing ADTs such as recursion. Students also gain an appreciation of the trade-offs between competing ADT solutions as they pertain to problem solving.

Prerequisite(s): CSIS1112.

Offered at Online, Providence

3 Semester Credits

### **CSIS2023 Survey of Programming Languages**

This course examines the evolution of programming languages and the nature of various types of computer languages, concentrating on their suitability, efficiency, and effectiveness as they pertain to particular problem domains. General concepts common to all programming languages are discussed to facilitate learning new languages. Language paradigms (i.e., logic, functional, procedural, object-oriented) are compared and implementation strategies are discussed.

Prerequisite(s): CSIS2018, ENGN2014 or CYB2010.

Offered at Online, Providence

3 Semester Credits

### **CSIS2030 Database Concepts**

This course introduces students to the function of a database environment. The importance of databases to modern systems development provides the motivation for examining data structures and models as they relate to user needs. Relational data models are emphasized along with query languages and user-friendly packages. The various data structures and file storage techniques used with hierarchical, network and relational data management issues are developed. Out-of-class assignments are completed by all students.

Prerequisite(s): CSIS1000 or CSIS1101 or FIT1040.

Offered at Online, Providence

3 Semester Credits

### **CSIS2045 Introduction to Operating Systems**

This course includes a survey of the functional characteristics of complex operating systems and an introduction to the basic techniques of operating systems design. The course discusses the topics of hardware configuration, channel operation, interrupts, register functions, multiprogramming, multiprocessing, timesharing and JCL.

Prerequisite(s): CSIS1020 or CSIS1040 or CSIS1101.

Offered at Online, Providence

3 Semester Credits

### **CSIS2050 Advanced Programming Concepts**

This course is designed to provide the student with an advanced understanding of the relationship between hardware and software through the use of higher level language (C programming language) facilities. Students learn how to create programs that interface with computer peripherals. Program design, coding, debugging, testing, execution and documentation are reinforced.

Prerequisite(s): CSIS1020 or CSIS1101.

Offered at Providence

3 Semester Credits

### **CSIS2075 Interface Design for Mobile Devices**

This course addresses the unique features and limitations of small, mobile computing devices such as smartphones and tablets. These devices are different from the traditional computing platforms in that they typically do not have mechanical keyboards or pointing devices, but use touch screens as the primary interface. The use of the screen as both the input and output device, the small size of the device, and the added features such as telephony, global positioning, accelerometer and camera provide both challenges and opportunities for the application developer. This course prepares students for application development for mobile computing devices.

Prerequisite(s): Sophomore status.

Offered at Online, Providence

3 Semester Credits

### **CSIS2080 Database Design**

This course provides a foundation for the systems-development effort of using fourth and fifth generation tools in database environments by systematically examining the procedures and tools used in designing a database. This course emphasizes the relational model. Students study normal forms, decomposition, synthesis, semantic modeling, network and hierarchical models. All students complete out-of-class assignments.

Prerequisite(s): CSIS2030.

Offered at Online, Providence

3 Semester Credits

### **CSIS3070 Exploring Mobile Application Development with the iPhone**

This course familiarizes students with the fundamentals of mobile platform development. The basics of Objective-C, Cocoa Touch and the iPhone SDK are taught in order to explore the limitations and concerns associated with handheld device user interfaces as well as features such as acceleration detection, location-awareness, multi-touch input and real-time notification.

Prerequisite(s): CSIS1101.

Offered at Providence

3 Semester Credits

### **CSIS3075 Mobile Application Development with Android**

This course extends students' programming interests and talents into the mobile platform. Students are taught to install and configure the Android development toolkit on a personal computer, and to design and code mobile applications that include the use of services that the Android operating system provides on the mobile platform.

Prerequisite(s): CSIS1101.

Offered at Providence

3 Semester Credits

### **CSIS3106 Software Verification, Validation, Testing and Security**

This course covers methods for evaluating software for correctness and reliability, including code inspections, program proofs and testing methodologies. Students learn formal and informal proofs of correctness, code inspections and their role in software verification, unit and system testing techniques, testing tools and limitations of testing. Statistical testing and reliability models address the testing of large scale systems. Students learn techniques for developing secure code, including: software data flow analysis, secure access, using cryptography, eliminating data residue and the need for content checking.

Prerequisite(s): CSIS2045, ITEC2085.

Offered at Providence

3 Semester Credits

### **CSIS3126 Design Project I**

This course is designed to allow for mid-program evaluation of the software development skills and abilities of students. Under the direction of faculty, students develop a solution to a complex problem (agreed upon with faculty) to be completed strictly within one semester. Students must utilize all of the skills learned thus far in the program to complete the task required.

Prerequisite(s): CSIS2018, ENGN2014 or CYB2010.

Offered at Online, Providence

3 Semester Credits

### **CSIS4010 Software Engineering**

This course covers development life cycle choices, software code management, software project cost analysis, tools for developing software, productizing software, documenting software products, development effort estimating, software development team dynamics, and emerging trends in the software engineering field.

Prerequisite(s): CSIS3106, PRMG2010.

Offered at Providence

3 Semester Credits

## **Computerized Drafting (CAD) Courses**

### **CAD1030 3D Parametric Modeling**

This is an advanced-level course in which students use commands and techniques related to 3-D modeling and analysis, and parametric drafting using several parametric modeling software packages to create parts, assemblies and drawings to industry standards. Related lab projects are included.

Prerequisite(s): Corequisite: CAD1L30.

Offered at Providence

4 Semester Credits

**CAD1L30 3D Parametric Modeling Lab**

In this course, students develop related lab projects from CAD1030 Computer-Aided Drafting III to enhance their ability to reinforce drafting concepts, software commands and file management.

Prerequisite(s): Corequisite: CAD1030.

Offered at Providence

1 Semester Credit

**CAD2000 Portfolio Development**

Students are required to prepare a portfolio containing a selection of their best drawings from each of the basic drafting principles. Each student presents his/her portfolio to the instructor for critique and grading.

Prerequisite(s): CAD2020, CAD2040.

Offered at Providence

1 Semester Credit

**CAD2020 Mechanical CAD**

This course develops standard industry practices used in CAD for mechanical applications. Basic drafting topics introduced, but not limited to, are multiview projection, dimension theory and GD&T, sections, auxiliary views, pictorial drawings, basic machine parts, cams, gears, threads and fasteners. Students develop drafting conventions through sequences and revisions. Related lab assignments are based on individual projects and team projects.

Prerequisite(s): CAD1030, CAD1L30.

Offered at Providence

3 Semester Credits

**CAD2020 Mechanical CAD**

This course develops standard industry practices used in CAD for mechanical applications. Basic drafting topics introduced, but not limited to, are multiview projection, dimension theory and GD&T, sections, auxiliary views, pictorial drawings, basic machine parts, cams, gears, threads and fasteners. Students develop drafting conventions through sequences and revisions. Related lab assignments are based on individual projects and team projects.

Prerequisite(s): CAD1030, CAD1L30.

Offered at Providence

3 Semester Credits

**CAD2030 Design I: Principles of Design**

This is an introduction to the fundamental elements of the design process, basic objectives of analysis, construction and evaluation solutions. Some topics developed include the design team, components of design theory, creativity, open-ended problem solving, alternative solutions and the positioning of design in the product development scheme.

Prerequisite(s): CAD1030, CAD1L30.

Offered at Providence

3 Semester Credits

**CAD2040 Architectural CAD**

This course develops standard industry practices used in CAD for architectural applications. Basic drafting topics introduced include, but are not limited to, residential, commercial, structural applications for floor plans, foundation plans, elevations, sections, details and pictorial drawings. The use of national, state and legal code is integrated with theory. Related lab assignments are based on individual projects and team projects.

Prerequisite(s): CAD1020, CAD1L20.

Offered at Providence

3 Semester Credits

**CAD2055 Introduction to Building Information Modeling**

This course is an introduction to Building Information Modeling (BIM), which is an Architectural parametric application, from design concept to managing a completed facility. This course integrates theory and lab experiences using industry software to develop digital building models.

Topics covered include but are not limited to, the history of BIM, developing building models, extracting documents and modifying building elements, presentation graphics and annotations, and integrating best practices of project management.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

**CAD2059 Introduction to Computer-Integrated Manufacturing (CIM)**

This course presents students with the terminology and practical experience of following the development of a product through concept, design development, manufacturing and product distribution. Topics covered include but are not limited to, computer aided design, concurrent engineering, "just-in-time" manufacturing, materials and product management, and communication of ideas from sales representatives to production engineers.

Prerequisite(s): CAD1030, CAD1L30.

Offered at Providence

3 Semester Credits

**CAD2061 CAD Applications**

This course develops standard industry practices used in CAD for applications related to plumbing, electrical/electronic, HVAC, welding and sheet metal fabrication. The use of ANSI standards and building code applications are the basis for development of individual and team projects.

Prerequisite(s): CAD1030, CAD1L30, CAD2040.

Offered at Providence

3 Semester Credits

**CAD2080 CAD for Network Systems Design**

This course is an introduction to computer-aided design of logical and physical network layouts. The core of this course is basic networking documentation control and standardization as used in industry to develop a generic method of system and product development and revision procedures. Topics include, but are not limited to, standardization procedures within an organization, schematic and block diagrams of networks, bill of materials, revision of drawings, use of universal symbols, floor plans and blueprints and use of Internet sources to obtain information and send and receive electronic files.

Prerequisite(s): ITEC2081.

Offered at Providence

3 Semester Credits

**CAD3075 Design for Manufacturing**

This course applies the design process and parametric modeling to product design solutions. Models are developed for specific manufacturing processes using concepts of manufacturing methods and tools. Concepts of machining and fabrication, computer numerical control machine technology (CNC), rapid prototyping and simulation modeling software are explored.

Prerequisite(s): CAD1030, CAD1L30 or ENGN3130.

Offered at Providence

3 Semester Credits

## Counseling (CSLG) Courses

**CSLG2030 Counseling Theories and Techniques**

This course is an introduction to the methods, major theories and techniques of counseling. A wide range of settings are considered, as well as a large range of topics, including dysfunctional families, domestic violence, incest, suicide prevention, drug and alcohol abuse, sociopathic personalities and multicultural issues.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CSLG2035 Foundations of Mental Health Counseling**

This course provides an introduction to the nature of the work, as well as the qualifications and knowledge required of mental health counselors by the U.S. Department of Labor. The intent of this course is to provide students with basic information on the principles and practices of mental health counseling.

Topics include the history and philosophy of mental health counseling, professional identity, roles of the mental health counselor, professional ethics, managed care, various contexts of practice and organizational structures, mandated clients, crisis intervention services, prevention, consultation, and an understanding of how diversity influences the practice of mental health counseling. Particular attention is given to the practice of mental health counseling in a range of such urban settings as homeless shelters and outpatient centers.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Providence

3 Semester Credits

**CSLG2040 Introduction to Career and School Counseling**

This course is designed to help students become competent in the use of educational and occupational information in counseling-related activities. Particular emphasis is on how information is processed in planning, establishing and managing careers from a life-span perspective.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG2110 Introduction to Family Treatment for Addictions Counselors**

This foundational course addresses the treatment of families with substance abuse and other addictive disorders. It introduces various models and theories of counseling for families with addictive disorders; the focus is on a family systems approach, exploring the dynamic roles that each family member plays in a multicultural society. It also examines the skills, strategies, techniques and approaches appropriate to intervention treatment as well as the twelve core functions of an addictions counselor.

Prerequisite(s): CSLG2030, PSYC1001, PSYC2040.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG3001 Introduction to Case Management**

This course introduces students to the required case management responsibilities for counselors. Its focus is on the skills and attitudes needed to meet accepted principles of patient management and the necessity of adhering to ethical guidelines. It concentrates specifically on such major aspects of case management as patient privacy rights and confidentiality, accuracy in intake preparation, assessment and screening reports, progress reports and treatment goals, discharge summaries and aftercare planning, and general documentation. The student gains a general knowledge of state and federal regulations for counselors as they apply to record keeping. Focus is also on understanding the referral process and identifying linkages to other community settings.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG3005 Introduction to Crisis Intervention**

This course offers students an introduction to clinical crisis intervention by examining the theories, strategies and skills essential to de-escalating and resolving conflict in crisis situations. Theories on suicide prevention, addictions and suicide, violence and addictions and aggression management are explored. Models for assessing and responding to crises are explored. Topics such as medical and psychological traumas, post-traumatic stress disorder and professional burnout are part of the curriculum as well as theoretical and ethical implications in crises.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG3010 Principles of Group Counseling**

This course provides students with fundamental knowledge of the dimensions of group counseling through attention to its process, dynamics and practice. It focuses on such topics as the development of group counseling as well as the ethical issues and theoretical approaches central to an understanding of the practice. This course also offers experiential training in group facilitation, with opportunities to practice effective strategies by exploring task facilitation, psycho-educational counseling and psychotherapy groups.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG3040 Counseling Techniques for Addictions and Other Behavioral Disorders**

This course focuses on the special skills and techniques required to effectively counsel the addicted and behaviorally disordered client. Development and utilization of advanced treatment planning and client management training are featured. In addition, it addresses the wide range of ethical issues inherent in all steps identified within the scope of practice for addiction professionals and found in recovery support services. The course examines issues that may arise during initial screening, during treatment planning, and as a client progresses through treatment implementation and moves into recovery. Throughout this course, students are asked to relate various points to their own situations, consider the various perspectives presented, and develop an ongoing awareness of their choices, decisions and behaviors in light of the ethical standards outlined by NAADAC.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG3050 Introduction to Marriage and Family Therapy**

This course is designed to provide students with an introduction to conducting couples and family therapy. The primary objective of the class is to assist students with translating theories into practice. Students study issues such as divorce, remarriage, step-parenting, couples therapy, drug and alcohol abuse in couples and families, and the LGBTQ couple and family dynamics. In addition, each student presents a family therapy case, providing students the opportunity to learn from their own practical therapy case experiences.

Prerequisite(s): CSLG2030.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG4099 Internship in Counseling Psychology**

This is a capstone course focusing on the practice of applied psychology in various service agency settings. The course requires students to demonstrate an ability to integrate theory, research and practice in the context of a supervised counseling experience. The internship is a placement directed by a supervisor on site as well as by a program faculty member who meets with students in a weekly seminar in which counseling methods and techniques are critically analyzed and further developed. Students must complete 204–220 hours at the community agency placement site.

Prerequisite(s): To be eligible for this internship, students must: 1) have a GPA of 2.75 in their major courses, 2) have completed 90 hours of course work, 3) have the permission of the program director and faculty adviser and 4) have successfully completed the courses: CSLG2030, CSLG3001 and PSYC2002.

Offered at Charlotte, Providence

6 Semester Credits

**CSLG5100 Advanced Career Counseling**

This course orients students to career development theories, career counseling procedures and techniques, career assessment tools, career development program planning, and sources of occupational information. Students learn and critically evaluate the major career counseling theories. Students also learn how to effectively conduct career counseling and integrate career counseling into traditional counseling/psychotherapy. The social contexts of career development and how these contexts can be integrated with existing career theory are examined. Students learn to design, deliver and evaluate comprehensive guidance programs. Emphasis is on empirically based theories, theoretically based counseling interventions and current issues of work and vocational counseling.

Offered at Providence

3 Semester Credits

**CSLG5150 Counseling Across the Lifespan**

This course is designed for students/practitioners who are intending to enter the counseling field. This course helps students to view their clients from a developmental perspective with the understanding that development does not take place in isolation; rather, human development is deeply embedded within and inseparable from the context of family, social network and culture. Students analyze the basic assumptions held by behaviorists, constructivists, developmental systems theorists and nativists, and consider how these paradigms influence knowledge about human behavior. This course is also designed to help counselors recognize the importance of individual and systemic influences on human growth and development and emphasizes the role of service to others as essential to a sense of well-being and self-esteem.

Offered at Providence

3 Semester Credits

**CSLG5170 Multicultural Counseling: Theories and Techniques**

This course is designed to sensitize students to the roles societal power disparities, therapists' racial identity and awareness, ethical/legal considerations, and client/culture identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African American, Asian American, Hispanic/Latino American, Native American, LGBTQ, and persons with disabilities is examined.

Offered at Providence

3 Semester Credits



**CSLG5250 Professional Orientation and Ethical Practice**

This introductory graduate counseling course is designed to provide students with an orientation to the field of counseling. Students become familiar with the ethical and legal considerations related to development in counseling. Students are introduced to the various subfields, settings and employment opportunities in the counseling profession, and the roles and functions of counselors in these settings. Central to this course is an on-going self-evaluation of the student's attitudes, values, interpersonal skills and motives for choosing counseling as a potential profession.

Offered at Providence

3 Semester Credits

**CSLG5300 Advanced Individual Counseling Theory and Techniques with Lab**

This advanced course entails experiential learning opportunities that allow students the opportunity to practice skills and techniques associated with major theoretical orientations and evidence-based counseling techniques, as well as the opportunity to explore personal beliefs and values. With a special focus on gender, culture, ethical dilemmas, counselor preparation, and common theoretically-based assessment and case formation strategies, students consistently examine the means through which the traditional theoretical perspectives attempt to produce change.

Offered at Providence

3 Semester Credits

**CSLG5350 Health and Wellness Counseling**

This course is based on Myer's "Wheel of Wellness," a holistic model for treatment planning in the mental health field. Focus is on defining, experiencing and working with the body-mind connection. Students review modalities and techniques, validated by neuroscience, that have an integrative effect on the body-mind connection. Students also review the somatic therapeutic processes that support integrative brain function and result in emotional, mental, physical and spiritual well-being. This course examines how biological, psychological and social factors interact with and affect the recovery, rehabilitation and psycho-social adjustment of clients.

Offered at Providence

3 Semester Credits

**CSLG5400 Psychopathology and Treatment Planning**

This course develops student knowledge of mental health diagnoses and treatment planning through application of various mental health counseling skills. Focus is on diagnosis, treatment planning and supervised mental health counseling skills practice within the context of legal and ethical guidelines and with reference to the current Diagnostic and Statistical Manual of Mental Disorders of the American Psychiatric Association.

Prerequisite(s): PSYC5200.

Offered at Providence

3 Semester Credits

**CSLG5450 Testing and Assessment in Counseling**

This course is designed to provide an advanced approach to the principles, concepts, methods and applications of assessing human experience and behavior for counseling purposes. Topics include the history and philosophy behind measurement and assessment in counseling, statistical concepts and common assessment formats for measuring constructs such as personality, pathology, achievement, aptitude and career interests. The required assignments focus on the themes of assessment critique, administration and interpretation of assessment results, and incorporating assessment results into work with clients and students.

Prerequisite(s): CSLG5250.

Offered at Providence

3 Semester Credits

**CSLG5500 Advanced Group Counseling Theories and Techniques with Lab**

This experiential and didactic course investigates the issues a counselor processes in group work. Understanding of theoretical perspectives and refinement of personal group facilitation styles are developed through a combination of discussions, demonstrations, videos, experiential opportunities and practice. Co-leadership is utilized in the classroom in conducting group therapy. Students design and conduct groups. Emphasis is on developing skills and applying theories combined with various techniques to actual group situations. Related legal and ethical issues are discussed.

Prerequisite(s): CSLG5300 or CSLG5305.

Offered at Providence

3 Semester Credits

**CSLG5899 Counseling Practicum**

This course provides students with the practical application of the theories, skills and knowledge they have gathered over the period of training within the Master of Science in Counseling Psychology program. Students spend time in a clinical setting as a counselor under the supervision of mental health professionals within the setting. Students complete supervised practicum experiences that total a minimum of 150 clock hours over the academic term. Each student's practicum includes all of the following: 1) direct service with clients contributing to the development of counseling skills, 2) weekly supervision by a program faculty member and a site supervisor, 3) group supervision, 4) development of audio/video recordings of the student's interactions with clients, and 5) evaluation of the student's counseling.

Prerequisite(s): CSLG5250.

Offered at Providence

3 Semester Credits

**CSLG6100 Advanced Co-Occurring Disorders and Addictions Counseling**

This course provides students with an understanding of co-occurring psychiatric and substance abuse disorders and their impact on the individual, family and community. An integrated approach to address the issues accompanying the illness is included. Emphasis is on a variety of theoretical approaches, counseling skills, strategies, techniques and procedures for counseling individuals with co-occurring disorders.

Prerequisite(s): CSLG5300, CSLG5400.

Offered at Providence

3 Semester Credits

**CSLG6150 Advanced Individual Mental Health Counseling**

This course expands and refines the basic listening and attending skills learned in CSLG5300 Advanced Individual Counseling Theories and Techniques; focuses on therapist variables, self-knowledge and the counseling relationship as the essential elements for effective mental health counseling; and further develops students' knowledge of mental health diagnoses and treatments learned in CSLG5400 Psychopathology and Treatment Planning through application of various mental health counseling skills. Small group settings focus on diagnosis, treatment planning, and supervised mental health counseling skills practice within the context of legal and ethical guidelines and with reference to the current Diagnostic and Statistical Manual of Mental Disorders of the American Psychiatric Association.

Prerequisite(s): CSLG5300, CSLG5400.

Offered at Providence

3 Semester Credits

**CSLG6200 Counseling the Chemically Dependent and Their Families**

This advanced course integrates a family systems model along with a focus on research of addictive disorders. Students explore content information on addiction, the etiology of addiction, methods of assessment, and skills for addressing and treating addictive family systems. Students also gauge the efficacy of current family counseling treatment approaches. Identification of addiction and intergenerational patterns within families is examined. Exploration of healthy family systems, protective factors, and knowledge of community agencies that foster recovery and healing is an integral aspect of this course.

Prerequisite(s): CSLG6100.

Offered at Providence

3 Semester Credits

**CSLG6300 Chemical Dependency Case Management and Professional Development**

This advanced course focuses on professional case management, duties and responsibilities, including patient record-keeping, documentation, treatment planning, and the referral process and discharge summations. Students address skills and behaviors for professional development including patient confidentiality, accuracy and professionalism in preparing intake, screening and progress reports relating to patient goals and outcomes. The significance of dual relationships, transference and counter transference and boundary setting is examined. Emphasis is placed on respect and rights for patients and professional behavior for counselors in all settings and situations. Legal, ethical and advocacy issues in patient treatment is addressed.

Prerequisite(s): CSLG5250, CSLG5400.

Offered at Providence

3 Semester Credits

### **CSLG6350 Mental Health Counseling for Families**

This course provides students the opportunity to explore assumptions about "the family" and how it develops in a social/cultural context. The course explores selected theories and principles of family counseling. A combination of theoretical and practical application is used to examine variety of treatment approaches.

Prerequisite(s): CSLG5300, CSLG5400.

Offered at Providence

3 Semester Credits

### **CSLG6500 Leadership in Agency Settings**

This course explores the essential skills required to become an effective leader and supervisor in community agency settings. Topics include development of interpersonal intelligence (emotional intelligence, communication and conflict resolution skills, and ethical counseling supervision skills) and intrapersonal intelligence (time-management skills, self-care skills and personal leadership style exploration). Students develop and articulate a personal leadership style through readings, reflections and exercises in communication and leadership effectiveness.

Prerequisite(s): CSLG5250, CSLG5300.

Offered at Providence

3 Semester Credits

### **CSLG6899 Counseling Internship**

This course is a distinctly defined, post-practicum, supervised "capstone" clinical experience in which the student refines and enhances basic counseling or student development knowledge and skills and integrates and authenticates professional knowledge and skills appropriate to their program and initial postgraduate professional placement (CACREP Standards, 2009). Students are required to complete 600 experiential field hours in a clinical setting over the course of 2 semesters. This course provides the student with the practical application of the theories, skills and knowledge gathered over the period of training in the counseling program. The student spends 600 hours in a clinical setting as a counselor-in-training under the supervision of mental health professionals. During the 600 hours, students experience 240 hours in direct service responsibilities. Direct service includes the following activities: 1) conducting or directly participating in individual counseling, 2) conducting or participating directly in group counseling, 3) conducting interviews or participating in interviews, and 4) administering measures/ tests directly to patients. The remaining hours are spent in indirect services including case management, consultation, training, observation, supervision, outreach and team meetings. Students also meet in weekly supervision with on-site clinical supervisors (1 hour/week) and with the internship faculty instructor (1.5 hours/week).

Prerequisite(s): To be eligible for this internship, students must: 1) have completed 18 hours of graduate level course work, 2) have successfully completed CSLG5899 and 3) have permission of department chair and faculty.

Offered at Providence

6 Semester Credits

## **Criminal Justice (CJS) Courses**

### **CJS1002 Introduction to Criminal Justice**

This course presents an overview and analysis of the American criminal justice system. The concept of crime and the roles of police, courts, defense attorneys, prosecuting attorneys and corrections are considered. In addition, an overview of the causes of crime, the problems associated with the measurement of crime, and the concept of "justice" in the American criminal system is examined.

Offered at Online, Providence

3 Semester Credits

### **CJS1070 Criminal Courts**

This course is an examination of the problems, policies and practices of the criminal court system with emphasis placed on the structure and organization of the court system. The role of the courts, from arrest to conviction and appeal, is explored.

Offered at Online, Providence

3 Semester Credits

### **CJS1090 Law Enforcement**

This course is a survey of law enforcement agencies, their role, history and development within the field of criminal justice. Emphasis is placed on police administration, organization, management culture, relations within the community and technology.

Offered at Providence

3 Semester Credits

### **CJS2040 Corrections**

This course is an introduction to corrections. It presents an historical look at punishment through the ages. Justification for punishment is explored including: retribution, deterrence, incapacitation, and rehabilitation.

Various dispositions of prisoners are presented from capital punishment, transportation, galley slavery, and the eventual development of the prison. The evolution of prisons and acceptable conditions are discussed along with the advent of the prisoner rights movement.

Offered at Providence

3 Semester Credits

### **CJS2050 Criminology**

This course is an overview of the study of criminal behavior. Major theories of the causes of crime are explored through an interdisciplinary approach emphasizing the sociological, psychological, scientific, medical, biological, psychiatric, psychoanalytic, economic, political, cultural, and other social and behavioral approaches.

Offered at Online, Providence

3 Semester Credits

### **CJS2085 Juvenile Justice**

This course presents an analysis of the historical development of the juvenile justice system in the United States. The student is introduced to the changing view of juveniles from early America, when children were treated as little adults, through the nineteenth and twentieth centuries where they came to be considered as children and adolescents that had to be protected from abusive families and their environment. Socializing agents such as the family, schools and peers are studied as to their influence on the development of delinquency. Youth are studied as victims of crime, as perpetrators of crime, and their likelihood to become involved with gangs. Additionally, law enforcement, the courts and corrections are studied to show their impact on delinquency.

Prerequisite(s): Sophomore status.

Offered at Online, Providence

3 Semester Credits

### **CJS2150 Criminal Justice Ethics**

At the core of every aspect of the field of criminal justice is an ethical dilemma involving human behavior and individual decision-making. As such, this course will provide an in-depth examination of the three major schools of ethical thought (virtue, formalism, and utilitarianism) in order to illustrate how individual ethics directly influences decision-making, and to help students develop comprehensive ethical reasoning skills. Through the examination of hypothetical case studies, actual criminal justice events, and extensive debate, this course will explore the three major areas of criminal justice to include law enforcement, courts, and corrections, in order to provide students with the opportunity to observe and evaluate the direct connection between ethics and specific aspects of the criminal justice system.

Offered at Providence

3 Semester Credits

### **CJS3033 Community Policing**

This course is a historical examination of the strategies utilized by the police in America. It examines Sir Robert Peel and the development of the first paid police department in London in 1829. The course presents the evolution of policing as emigration in America increased and its population became more diversified. Students will come to understand how policing is a partnership with the community and how the roles of all must be considered in the development of a policing program.

Prerequisite(s): CJS1090.

Offered at Providence

3 Semester Credits

**CJS3075 Criminal Investigation**

In this course, the student is exposed to the fundamentals of criminal investigation. Emphasis is placed on the collection and evaluation of crime scene evidence related to specific crimes (i.e., homicide, arson, burglary, etc). Since criminal investigation must be conducted within the framework of our constitutional system of government, opinions of the United States Supreme Court that affect the collection of evidence are emphasized.

Prerequisite(s): CJS1090.

Offered at Online, Providence

3 Semester Credits

**CJS3210 Victimology**

This course is designed to provide an historical perspective on victimology, as well as an overview of the causes and physical and psychological consequences of victimization. Students gain an understanding of why people are victimized, as well as how the criminal justice system and various social service agencies collaborate in order to address the needs of the victim. A focus on various causes of and responses to victimization provides students with the fundamental knowledge needed to apply key concepts to actual situations. This course emphasizes the impact of trauma on an individual, opportunities for prevention, as well as issues of recurring victimization and the victim/offender overlap both domestically as well as from a global perspective.

Prerequisite(s): CJS2050.

Offered at Providence

3 Semester Credits

**CJS3450 Comparative Criminal Justice**

This course comparatively examines major criminal justice institutions within the United States and around the world, and also provides an in-depth examination of existing international criminal justice systems and the shared critical issues existing both domestically and internationally. The course offers a comprehensive examination of a variety of transnational crime-related issues, and explains the systems currently in place globally for addressing issues involving crime prevention, law enforcement, adjudication and corrections. Students identify and analyze the common and differing procedural aspects involved in investigating, prosecuting, defending and adjudicating criminal cases in international jurisdictions, as well as the differing global definitions of appropriate punishment including concepts of financial, corporal and capital punishment.

Offered at Providence

3 Semester Credits

**CJS3820 Cyber Crimes**

In this course, students explore the rise and evolution of crimes involving computers and the Internet that are fast becoming the most prolific area of criminal activity in the 21st century. This course distinguishes between crimes in cyberspace and cyber-terrorism as a form of warfare upon the global community. It defines cyber crimes (including type, nature, and origin) and the expanding criminalization of computer and Internet conduct involving concepts of privacy violation, information protection and unauthorized access of digital data. An analysis of existing and new domestic and international law enforcement innovations that prohibit digital crimes is also covered.

Prerequisite(s): LAW3025.

Offered at Online, Providence

3 Semester Credits

**CJS3850 Homeland Security**

This course provides an in-depth foundation for understanding the wide range of agencies and activities involved in the field of homeland security, and the varying roles that individual terrorists, terrorist groups and state sponsors of terrorism play in the formulation of the domestic and international homeland security policy of the United States. Students are provided with a comprehensive overview of the legal aspects of homeland security, and the role that intelligence and counterintelligence play in the formulation of the domestic and international homeland security policy. Additional topics include the proliferation of weapons of mass destruction, border security and immigration, and the financing of terrorist activity via a wide range of highly organized criminal activities occurring both domestically and internationally.

Offered at Online, Providence

3 Semester Credits

**CJS4020 Offender Assessment and Case Management**

This course provides students with both theoretical knowledge and practical application of the various evidence-based risk assessment tools, classification of offenders, writing court reports, utilizing motivational interviewing skills, and conducting interviews with offenders receiving some form of correctional treatment. It also provides students with knowledge about mental health and substance use issues affecting correctional populations.

Prerequisite(s): CJS2040, junior status.

Offered at Providence

3 Semester Credits

**CJS4033 Terrorism**

This course is a study of terrorism from its earliest history into the post-9/11 21st century. It examines religious and political motivations for terrorism as well as the rationalization for such activity. It looks at the networking of nations, states and organizations in the acquisition of goods and finances to fund their organization. The course also looks at weapons of mass destruction, security measures and counterterrorism.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

**CJS4045 Criminalistics with Lab**

This course is designed to provide the student with a broad outline of key topic areas that encompass the study of forensic science. Focus is on the application of forensic sciences and their role in criminal investigation. Topics include the scope, history and basic methods of evidence recognition, collection, identification and preservation. Basic forms of physical evidence most commonly encountered at crime scenes are discussed along with their respective value in the investigative process.

Prerequisite(s): CJS3075.

Offered at Providence

3 Semester Credits

**CJS4050 Advanced Topics in Criminal Justice**

This course is a forum for special issues and emerging areas of criminal justice. It is taught by faculty members and visiting experts in the areas of focus. Topics covered (which may change each offering) may include, but are not limited to: Public & Private Security, Victimology, Child Abuse & Neglect, and Organized Crime.

Prerequisite(s): CJS2050, junior status.

Offered at Providence

3 Semester Credits

**CJS4065 Advanced Topics in Criminalistics with Lab**

This course provides students with specific topics in the advanced study of forensic science as part of a two-term format. Emphasis is on the application of advanced and specialized areas of forensic science encountered during criminal investigations. Topics include advanced topics of forensic pathology, pattern and impression evidence, blood spatter analysis, photography, fingerprint examination, and forensic applications of the social science and legal/ethical issues in forensic science.

Prerequisite(s): CJS4045.

Offered at Providence

3 Semester Credits

**CJS4080 Criminal Justice Senior Seminar**

This course presents an overview and analysis of the American criminal justice system in a capstone seminar format. The course examines criminal and constitutional law, criminology, law enforcement and investigation, courts, corrections and juvenile justice through the use of critical thinking, research, writing and discussion.

Prerequisite(s): CJS4030 or RSCH2050, senior status.

Offered at Providence

3 Semester Credits

## Culinary Arts (CUL) Courses

### **CUL1100 Introduction to Culinary Skills and Techniques**

Students learn the techniques practiced in the professional kitchen: the craft, the tools, food safety and sanitation, basic knife skills, culinary math applications, and mise en place. Students are introduced to moist cooking techniques such as boiling, simmering, poaching, steaming, blanching/shocking and sweating. The basic preparations of stocks, soups and classic sauces are introduced. The course provides skills that become the foundation on which students build a lifetime of culinary learning. Sections of this course offered online are reserved for students in special industry partner programs. Offered at Charlotte, Online, Providence

3 Semester Credits

### **CUL1210 Breakfast & Lunch Cafe**

Students are introduced to and practice a variety of basic cooking skills using breakfast, brunch and lunch cooking techniques. The skills include egg preparation, sandwiches, salads, soups, vegetable cooking, sauces (including basic emulsions) and vinaigrettes. Basic yeast and quick bread techniques include creaming, blending and rubbing. Protein fabrication is reinforced. Recipe and portion costing is practiced. Food waste, sustainability, and culinary science issues are explored. Plate presentation and nutritionally balanced plates are emphasized in the production and service of a la minute foods.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL1320 Elements of a la Minute Cooking**

Students are introduced to sauté, shallow-fry and grill. Students apply portion control, ingredient selection, cooking and flavoring techniques, with a focus on nutrition. Students are introduced to a la minute cooking and baking methods. Culinary math as applied to portion control and recipe costing is emphasized.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL1410 Contemporary Cooking & Leadership Functions**

Students are introduced to stewing, braising, roasting, and savory baking. Protein fabrication and full product utilization are emphasized. Students demonstrate how to delegate, order, receive, store, prepare and serve a variety of menu items. Students explore menu and recipe development, while applying cost control methods.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL2010 Foundations of Fermented Foods**

Students explore ancient and modern methods of fungal and microbiological fermentation as food preservation across many global cultures and identify their impact on food flavor, texture and stability. Students compare the effects of a variety of techniques and identify specific fermenting agents. Students also discuss health considerations, including potential risks and probiotic effects, regulatory compliance, and non-food applications.

Offered at Online, Providence

3 Semester Credits

### **CUL2510 Contemporary Restaurant Operations and Management**

Students explore front-of-the-house operations and practice professional dining, beverage service, and supervisory skills. Etiquette, guest relations, communication skills, teamwork, critical thinking, and professionalism are emphasized. Students practice management concepts including operational procedures and financial responsibilities. Students are introduced to the production and sensory evaluation of beverages and the principles of food and beverage pairings.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL2610 Baking and Pastry Concepts for Culinary Operations**

Students expand upon the foundational baking and pastry skills introduced in first-year culinary labs to produce a variety of breads, pastry and baked items. Students also incorporate design, flavor, and textural components to create plated desserts. Continued emphasis is placed on accurate weights and measures, mixing methods, station organization and culinary math. Students analyze ingredient and product needs based on various culinary operations.

Prerequisite(s): Completion of all freshman culinary labs.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL2710 Banquets and Catering**

Students develop the techniques for the setup and execution of banquets and catering functions. Techniques in fabrication, portion cutting, preservation, charcuterie, and hot and cold foods are executed with a focus on total product utilization. Healthful menu alternatives are explored.

Prerequisite(s): Completion of all freshman culinary labs.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL2810 Global à la Carte**

Students apply diverse skills to produce contemporary, globally influenced à la carte menus through the exploration of flavor profiles, culture, and cuisines with an emphasis on healthful, appropriate and modern professional cooking skills and ingredients.

Prerequisite(s): Completion of all freshman culinary labs, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL2881 Farm to Table—A Global Perspective**

Apply culinary skills in a unique program immersed in global culinary and educational philosophy applied to the farm-to-table movement. Specialized modules build upon core culinary skills learned at Johnson & Wales University and introduce local techniques and products with local leaders in the culinary profession. Personalized approach focuses on deep knowledge of ingredients, technique and presentation. The class combines theory, practical application, competency-based testing, and cultural experiences.

Prerequisite(s): Completion of all freshman sophomore culinary labs.

Offered at Charlotte, Providence

6 Semester Credits

### **CUL3020 Foundations of Wine**

This course introduces the student to a systematic approach to wines and develops the student's ability to describe them in a marketable way. The course teaches a fundamental understanding of the relationship between location, climate, terrain, soils, viticulture, vinification and grape varieties and the differentiation between quality levels of wine. Wine tastings incorporate structured analysis leading students to identify regional and varietal organoleptic differences in wines. Tastings incorporate discussions on the pairing of food and wine. Representative wines are tasted.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CUL3030 Exploring Cheese**

This course provides an opportunity for students to explore the world of cheese. Cheese history, production and trends are analyzed within a worldwide business context. Course components include sensory evaluation, classification, ripening, storage, purchasing, service and applications in today's kitchens. Students learn how to best purchase and serve cheese to enhance profitability in restaurant menu programs or retail outlets. Students also evaluate the principles of beer and wine pairings with cheese. Students are prepared to pass the Wisconsin Cheesecyclopedia, a cheese education course exam.

Offered at Charlotte, Providence

3 Semester Credits



**CUL3082 Exploring Mead and Honey**

This course provides students the opportunity to explore the origins and history of honey and honey fermentation, as well as challenges to the apiary industry and the effects of terroir on honey quality. Students learn about the role and importance of bees and honey in the global food industry. Various types of mead, the world's oldest documented fermented beverage, are analyzed and produced. Packaging, labeling, licensing and regulatory compliance, as well as sales and marketing aspects, are also explored. Successful students should be prepared to sit for the BJCP Mead Judge Certification exam.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Online, Providence

3 Semester Credits

**CUL3092 Brewing Arts**

This course helps students develop an understanding of traditional and modern styles of beer and brewed alcoholic beverages by examining production methods and ingredients and through sensory analysis. Students explore historical context, as well as modern industry structures and trends. Students learn how to brew an all-grain beer recipe and to identify common beer faults and their causes. Upon completion of this course, students are prepared to sit for the Certified Beer Server exam from the Cicerone Certification program.

Prerequisite(s): Online students must be of legal drinking age - 21 years of age in the US, or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CUL3093 Coffee, Tea and Non-alcoholic Beverage Specialist**

The role of non-alcoholic beverages in profitable beverage programs is a focus of this course. It combines advanced knowledge and application of coffee, tea, water, ready-to-drink and other non-alcoholic beverages with structured systematic tastings, analysis, production and service. Students analyze the application of these non-alcoholic beverages to the on-premise market.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CUL3131 Chef-Driven Contemporary Casual Concepts**

This course provides students the opportunity to explore the unique challenges of operating a contemporary, chef-driven, casual dining concept, developing strategies to maximize profits while maintaining food integrity. Cooking skills are refined and advanced culinary techniques are applied to innovative, student-driven menus utilizing a global pantry and sustainably sourced foods that align with current industry practice.

Prerequisite(s): Completion of all sophomore culinary labs.

Offered at Providence

3 Semester Credits

**CUL3141 Corporate Dining Concepts**

This course provides students the opportunity to explore the unique challenges of operating a contemporary, chef-driven, corporate restaurant dining concept, developing strategies to maximize profits while maintaining food integrity. Cooking skills are refined and advanced culinary techniques are applied to innovative, student-driven menus utilizing a global pantry and sustainably sourced foods that adhere to specific consumer expectations.

Prerequisite(s): Completion of all sophomore culinary labs.

Offered at Providence

3 Semester Credits

**CUL3151 Chef-Driven Fine Dining Concepts**

This course provides students the opportunity to explore the unique challenges of operating a chef-driven, fine dining concept, developing strategies to maximize profits while maintaining food integrity. Cooking skills are refined and advanced culinary techniques are applied to innovative, student-driven menus utilizing a global pantry and sustainably sourced foods that align with current industry practice.

Prerequisite(s): Completion of all sophomore culinary labs.

Offered at Providence

3 Semester Credits

**CUL3244 Cuisine and Culture of the Mediterranean**

This course introduces students to Mediterranean cuisine and culture through activity-related experiences. Guided by local specialists, students explore archaeological and historical sites; nature reserves, organic farms, vineyards and farmers' markets; village ports, taverns, bakeries and artisan food production facilities; and participate in cooking/baking classes taught by local chefs. Through activities and exploration students engage with the local community to learn how culture, community and cuisine intersect.

Offered at Charlotte, Providence

3 Semester Credits

**CUL3270 Volcanic Island Wines: The Azores and Madeira**

This nine-day intensive overview course is designed to provide students with an appreciation of the culture of Madeira and the Azores, and their history of grape-growing and wine-making that reflect a sense of place. Students discover the role of wine tourism, marketing and the commercial position these wines hold in the global marketplace. Students are exposed to the culture and cuisine of the region (islands), and explore how and why their wines pair best with cuisines.

Prerequisite(s): Junior status.

Offered at Charlotte, Providence

3 Semester Credits

**CUL3900 Exploring Ciders and Fruit Wines**

Students explore the rapidly growing industry of ciders, perries and fruit wines. Students are able to describe and identify the properties and flavors of heirloom and modern varieties of fruits, and their impact on the fermented products. Students employ sensory analysis and critical thinking skills to identify and describe the flavors and texture of products, as well as faults, their causes, and potential remedies or prevention. Packaging, marketing, sales, and food affinities are also discussed. Successful students are able to pass the Level 1 Certified Cider Professional exam from the U.S. Association of Cider Makers.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Online, Providence

3 Semester Credits

**CUL4020 New World Wines**

This course offers students an advanced understanding of New World wines (in particular the U.S., with additional emphasis on California, Australia, New Zealand, South Africa, Chile and Argentina), the evolution of flavor and taste paradigms, and familiarization with each of their primary wine appellations. The geographic, historical and social contexts of alcoholic beverages in each nation are discussed, and trends of production, consumption and export markets are reviewed. Wine tastings incorporate structured analysis leading students to identify regional and varietal organoleptic differences in wines. Tastings incorporate discussions on the pairing of food and wine. Representative wines are tasted.

Prerequisite(s): CUL3020, online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CUL4030 Old World Wines**

This course allows students to develop an advanced understanding of Old World wines. Students examine production methods, trace the evolution of various appellation of origin classification systems, and explore the concept of terroir. Students explore wine production in areas of France, Germany, Austria, Italy, Spain, Portugal, Greece and other traditional regions. For each region, students explore the historical context, as well as modern industry structures and trends. Wine tastings incorporate structured analysis leading students to identify regional and varietal organoleptic differences in wines. Tastings incorporate discussions on the pairing of food and wine. Representative wines are tasted.

Prerequisite(s): CUL3020, online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **CUL4045 Spirits and Mixology Management**

This course offers the student an advanced understanding of spirits, liqueurs, cocktails and mixology to design and supervise a successful bar operation. Spirits, liqueurs, cocktails and mixology principles are discussed within a cultural, historical and business context. Sensory analysis, cocktail recipe creation and production methods, inventory, cost analysis and merchandising are major components of this course. Alcohol liability and server training are reviewed. Students may be offered the practical exam for the International School of Mixology Bartending Certification.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **CUL4080 Beer Sommelier Capstone**

This course explores modern beer sales and service methods through case studies and real-world application of beer service principles. Students employ critical thinking to troubleshoot and critique issues concerning production, storage, service and sales. Students evaluate the management of retail beer operations through analysis of facilities and menu design, beer and food pairing strategies, accurate sales descriptions, and responsible alcohol service. Upon successful completion of this course, students may be prepared to sit for the Certified Cicerone examination.

Prerequisite(s): CUL3092 or Certified Beer Server certification or its equivalent.

Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **CUL4115 Culinary Capstone: The Professional Kitchen**

This capstone course integrates the critical competencies needed to lead chef-driven restaurant concepts, which include excellence in menu development, food production, service and management strategies.

Students develop a menu that demonstrates consciousness in sourcing and procurement while leading a team through production and service. Students' ability to plan, budget, manage, report finances and demonstrate leadership principles to safeguard an economically sustainable operation are assessed.

Prerequisite(s): CUL3131, CUL3141, CUL3151.

Offered at Providence

3 Semester Credits

#### **CUL4185 Sommelier Capstone**

This course provides a comprehensive overview of beverage sales and service techniques giving the student the ability to select appropriate products for a successful beverage program. Students focus on food and beverage pairings, the development of beverage lists, and the training techniques for successful sales. Relevant selection and purchasing of beverages, inventory controls, storage and distribution management is emphasized. Guest-centered hospitality, liability and responsible service are reinforced throughout. Sommelier career options are explored across the beverage industry.

Prerequisite(s): CUL3020, CUL4030, online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **CUL4416 British Practical Brewing**

This rigorous, experience-based course is ideal for students who want to work in or develop their own microbrewery or brewpub. Students work with JWU faculty in preparation for and during their hands-on coursework with our educational partner, Brewlab in the UK. Students enhance their knowledge of brewing theory and develop their skills in practical brewing, recipe formulation, sensory analysis, marketing and brewery design. Students work alongside professional brewers, scientists and industry professionals in both laboratory and field settings to earn practical, professional brewing experience. Students learn traditional and modern ale-brewing technology both on-site and at local craft breweries. Students may attend evening and weekend excursions to regional maltsters, hop yards and breweries, and other historic and cultural sites. There is a comprehensive written exam at the completion of the course. Successful candidates earn the Brewlab Practical Brewing Certificate, a NVQ Level 2 achievement.

Prerequisite(s): CUL3092.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **CUL4417 Applied Craft Brewing Capstone**

This hands-on course is ideal for students who intend to work in or develop their own craft brewery or brewpub, by enabling students to apply their skills in practical brewing, recipe formulation, laboratory analysis, brewery sanitation, packaging and service. Students design and produce their own original recipes and serve their beer at an industry event. Students gain practical working experience in regional craft breweries and observe how academic concepts are applied differently in a variety of settings.

Prerequisite(s): CUL3092, CUL4460, minimum 2.5 GPA, legal drinking age 21.

Offered at Charlotte, Providence

3 Semester Credits

#### **CUL4419 Brewery Operations and Planning**

This course prepares students to plan and develop their own brewery or brewpub. Students explore topics such as facilities layout and design, equipment sizing and configuration, location and siting factors, compliance and regulatory environment, HACCP, safety and quality control, resource and waste management, conservation and sustainability, types of finance, marketing, production scheduling, and forecasting. The focus is on the American craft brewing industry and structure, though most concepts can be applied internationally. Upon completion of the course, students are prepared to construct a preliminary plan for a brewery business.

Prerequisite(s): CUL3092.

Offered at Online, Providence

3 Semester Credits

#### **CUL4460 Advanced Brewing Theory and Analysis**

This course allows students to explore brewing theory in depth, as preparation for a career in craft brewing and beer judging. Students explore topics such as malting science, water chemistry, hop growing technology and yeast microbiology as they relate to the art of craft brewing. Students describe variations in classic and contemporary beer styles in detail, with a special emphasis on ingredient and process variables as they relate to flavor and style accuracy. Advanced sensory analysis skills and critical thinking are developed throughout the class. This course prepares students to take the Beer Judge Certification Program (BJCP) Entrance Exam and BJCP Judging Exam to become a BJCP Recognized Judge.

Prerequisite(s): CUL3092, online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CUL4465 Advanced Brewing Theory Lab**

Students examine the effects of various factors impacting the flavor, appearance and condition of beer and learn how to utilize typical brewery laboratory equipment and techniques to assess product quality and consistency. Students also gain an introduction to applied brewing techniques, as well as brewery safety and sanitation and proper use of cleaning chemicals and protective equipment. Emphasis is on ASBC standard methods of analysis, laboratory microbiology, and application of the scientific process. This course may be taken concurrently with or after CUL4460 Advanced Brewing Theory and Analysis.  
Prerequisite(s): CUL4460 (or concurrent).  
Offered at Charlotte, Providence  
1 Semester Credit

### **CUL4963 Sommelier Training**

With a focus on practical sommelier skills training, this course gives students the opportunity to study wines from a region or country, providing a deeper understanding of quality factors in the making of wines within a cultural and historical context. Students develop wine service skills including food and wine pairing understanding. Participants have lectures and presentations by experts, augmented with excursions to regional wineries, wine cellars, and visits to local cultural sites.  
Prerequisite(s): CUL2235 or CUL2510 or FSM2055 or department chair approval.  
Offered at Charlotte, Providence  
3 Semester Credits

## **Culinary Nutrition (CULN) Courses**

### **CULN1010 An Introduction to the Fields of Food, Food Service and Nutrition**

This survey course is intended to introduce students to an array of post-baccalaureate professional opportunities. Students are exposed to university alumni who have chosen both traditional and unique career paths after leaving Johnson & Wales University. Alumni provide examples of their experiences and offer insight for students interested in pursuing similar or adjacent professions. The ways in which students might better prepare for occupational, academic and credentialing opportunities, which they might be eligible for, after graduation are explored. Students are familiarized with different university departments, resources and systems, which might improve the student's acclimation to the Johnson & Wales community.  
Offered at Charlotte, Providence  
1 Semester Credit

### **CULN2020 Applied Culinary Nutrition**

This course builds upon the student's foundational culinary skills and knowledge, while introducing the principles of applied culinary nutrition. Students are introduced to the practice of translating current nutritional recommendations into meals that excite the palate, while adhering to evidence-based nutritional parameters and the policies that some healthcare institutions must observe. The course focuses on the essentials of ingredient selection and preparation, food portioning, recipe modification and the fundamentals of specialized dietary requirements.  
Prerequisite(s): Completion of all freshman culinary labs or BPA2720, CULN1010 (or concurrent), SCI1050.  
Offered at Charlotte, Providence  
3 Semester Credits

### **CULN2230 Designing Healthy Desserts**

This course introduces how baking works through an understanding of the ingredients used in baking and pastry. Students run experiments in order to learn about ingredients and understand how ingredients change during production and interaction with other ingredients. In addition, this course presents methods to develop baked goods and desserts by creating new products that are healthier or by substituting ingredients in traditional desserts to make them conform to specific dietary specifications. The production focuses on modifying ingredients in desserts while retaining quality and visual appeal. Students are encouraged to utilize their knowledge of sound nutrition principles to develop original creations. The production covers all aspects of the pastry shop from basic baked items to more elaborate desserts.  
Prerequisite(s): ((CUL1100, CUL1210, CUL1320, CUL1410) or BPA2720), SCI1050.  
Offered at Charlotte, Providence  
3 Semester Credits

### **CULN2414 Cooking for Health and Wellness**

This course introduces the impact that diet has on health and wellness and addresses the socioeconomic and cultural barriers that often prevent the seamless integration of current and evidence-based nutrition into menu development. Students explore ways to apply theory to practice through experience-based culinary instruction. This course takes an interdisciplinary and collaborative approach to bridge knowledge-deficiencies that exist in traditional healthcare, dietetics and culinary education. The course attempts to directly impact both the nutritional and sensory appeal of the foods prepared for patients and clients while also addressing the fundamental culinary skills required to improve the future personal health of the students in the course. Both instructive and vocational components are incorporated, which are intended to improve communication and understanding around how nutrition and culinary fundamentals may impact public health, as well as improving the assimilation of appropriate nutrition in the food produced and menus developed by prospective healthcare team members.  
Prerequisite(s): SCI1050.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **CULN3155 Vegetarian Cuisine**

This course focuses on the types and preparation of nutritionally balanced vegetarian diets. Students explore the importance of understanding why people choose vegetarian diets, including cultural and global perspectives, economics and health. Daily production focuses on the preparation of vegetarian dishes and meals that fit into three classifications: vegan, lacto and lacto-ovo vegetarian diets.  
Prerequisite(s): CULN2020, CULN2230 or BPA2720.  
Offered at Charlotte, Providence  
3 Semester Credits

### **CULN4155 Athletic Performance Cuisine**

This laboratory course emphasizes the importance of how food can enhance athletic performance and exercise recovery. The focus is on creating menus specifically geared for individual athletes, as well as the team training tables of various sports, to elevate and enhance overall sport and athletic performance. Students utilize their knowledge of applied nutrition and culinary arts to develop meals, snacks, sports beverages, and nutritional supplements for a variety of athlete types pursuing various sports under different exercise intensities, environments, and athletic performance goals.  
Prerequisite(s): CULN3155 or CUL3155, FSM2210 or FSM3040.  
Offered at Charlotte, Providence  
3 Semester Credits

### **CULN4165 Therapeutic Cuisine**

This capstone course requires students to apply their proficiency in culinary nutrition, critical-thinking skills and management theories to address the challenges faced by contemporary healthcare food service facilities. Focus is on the patient's dining experience while adhering to specific dietary requirements. Students create and execute therapeutic menus in addition to rotating through management positions found in today's institutional food service facilities.  
Prerequisite(s): CUL3155 or CULN3155, FSM2210 or FSM3040.  
Offered at Charlotte, Providence  
3 Semester Credits

### **CULN4175 Spa Cuisine**

This course focuses on advanced techniques of nutritionally sound food preparation and menu development, as reflected in current research. Students explore the unique flavor systems of the world as they impact ethnic cuisine. Emphasis is on redesigning recipes which maintain the integrity of unique cultural flavors while adapting current nutritional research to health and well-being. Applications focus on recipe and menu development as they apply to current spa cuisine models.  
Prerequisite(s): CULN3155 or CUL3155, FSM2210 or FSM3040.  
Offered at Charlotte, Providence  
3 Semester Credits



## Culinary Science (CULS) Courses

### **CULS2010 Introduction to Food Product Development**

This course introduces students to the terminology and basic practices in product development labs, test kitchens and culinary centers in the food and beverage industry. Focus is on the product development process from concept through commercialization, and the role of the product developer throughout this process. This includes an introduction to market research and sensory testing techniques, unit operations in food and beverage processing and packaging, quality assurance/quality control, and food regulations and labeling. Student groups research current trends, the needs of a particular target market, and topics in food and beverage processing and packaging. This course includes lecture, student presentations, group work, guest lecturers and use of the internet to research relevant topics and technologies. Offered at Charlotte, Providence

3 Semester Credits

### **CULS2210 Food Science**

This course emphasizes the scientific method and the chemical and physical changes that occur during preparation and processing of food products. The relationships between the chemistry of the major food components (carbohydrates, fats and proteins) and their functionality in food systems are examined. This course requires a laboratory research project that involves writing a research proposal, conducting primary and secondary research, conducting a consumer test, analyzing data, and writing a final laboratory report following the scientific method described in the course.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

### **CULS3015 Food Ingredient Technology**

This course provides an overview of major food ingredients and additives used in food product development. The various functionalities of these ingredients are investigated through the production and evaluation of various food products that align with consumer expectations. Students examine the legal definition of food ingredients and additives and outline the approval process for ingredients classified as such. Students apply Food and Drug Administration (FDA) laws and regulations when incorporating additives into food products.

Prerequisite(s): CHM1000, CHM1006, CULS2010 (or concurrent), CULS2210.

Offered at Providence

3 Semester Credits

### **CULS3025 Food Processing**

This course provides students the opportunity to identify the appropriate food processing methods and equipment utilized in the manufacturing of food products. Practices that are important in a food manufacturing facility are explored to determine how different processing methods and packaging can affect the safety and quality of food products.

Prerequisite(s): CULS2010, completion of all freshman culinary or baking labs.

Offered at Providence

3 Semester Credits

### **CULS4035 Food Product Design and Development**

This capstone course applies the knowledge and skills acquired in major prerequisite courses. Students strengthen their laboratory skills working in teams, designing and developing a food product from concept through optimization. This course is taught within a kitchen that simulates the environment of a product development laboratory. Students complete sensory tests, accelerated shelf-life tests, competitive analyses and performance tests on products, as required. Students design and create product packaging labels that align with current food regulations. Additionally, students use spreadsheets to create formulas and generate costing information. At the completion of the course, students present their concepts, optimized products, packaging label and project reports to the university community.

Prerequisite(s): CULS2010, CULS3015, CULS3025.

Offered at Providence

3 Semester Credits

## Cyber Operations (CYB) Courses

### **CYB1005 Introduction to Cyber Security Operations**

This course is designed to provide an introduction to the range of disciplines that are fundamental to protecting cyber assets in the modern world. Students learn what cyber security and operations are, how they have evolved over the past decades, and how the cyber security framework can be applied across a wide range of contexts and industries. This course also provides an introduction to the various technical and non-technical skills that are fundamental in the cyber security and operations field. Students are provided with academic foundations to pursue further study in the cyber field.

Offered at Online, Providence

3 Semester Credits

### **CYB2010 Computer Architecture with Assembly Language Programming**

This course is designed to provide students with an understanding of the relationship between hardware and software through the use of the machine and assembly language facilities. Topics include how simple statements translate into processor commands and how various types of storage and programming structures are implemented in the system. Program design, charting, coding, debugging, testing, execution and documentation are accomplished for all concepts that are introduced. Advanced understanding of the relationship between hardware and software is accomplished through the use of assembly language and higher level language (C programming language) facilities. Creating programs that interface with computer hardware is explored. Additional topics include using debug, decision structures, looping structures, addressing constructs, data types, program segments, memory models, subroutines, arrays, video, keyboard and file I/O, parallel processing, terminate-and-stay-resident programs, recursion, inter-language communication, device drivers and embedded programming concepts.

Prerequisite(s): CSIS1112.

Offered at Online, Providence

3 Semester Credits

### **CYB3001 Foundations of Digital Forensics**

This course introduces students to the principles of digital forensics. The essentials covered in this class include computer system storage fundamentals, operating systems and data transmission, computer network architecture, digital forensics best practices, proper evidence collection and storage, and federal rules and criminal codes. Upon successful completion of this class, the student is ready to proceed into more advanced and technical classes such as computer forensics, mobile device forensics, network forensics, and malicious code forensics.

Prerequisite(s): CSIS1101, CSIS2045, CYB1005.

Offered at Providence

3 Semester Credits

### **CYB3011 Software Reverse Engineering**

This course is designed to introduce students to the tools and process of software reverse engineering, and how to apply the tools and process for the purpose of discovering malicious code, reconstructing higher level code and documentation where none exist, discovering opportunities for improvement of existing code, and assuring the appropriate use of code.

Prerequisite(s): CSIS2045, CYB2010 or ENGN2014.

Offered at Providence

3 Semester Credits

### **CYB3023 Large Scale Distributed Systems**

This course is designed to introduce the principles and implementation techniques of distributed database systems and explore trends and issues concerning database application development. Students apply theory and practice by building a distributed database with web access.

Prerequisite(s): CSIS1112, CSIS2030.

Offered at Providence

3 Semester Credits

**CYB3038 HCI/Usable Security**

This course focuses on how to design and build secure systems with human-centric focus. Basic principles of HCI (including the basics of humans' cognitive abilities, principles of usability, design techniques and evaluation methods) are discussed. Through professionally focused exercises, students apply these techniques to the design, building, evaluation and critique of secure systems, while developing security measures that respect human performance and their goals within the system. Focus is on authentication devices, password protection techniques, browsing security, social media and mobile device security.

Prerequisite(s): ITEC3050.

Offered at Online, Providence

3 Semester Credits

**CYB3205 Malware Forensics**

This course introduces students to the fundamentals of malicious code and malicious code analysis. The student is introduced to actual malicious code samples and examines how they work and interact with vulnerable machines. The student learns how to perform basic analysis in an attempt to reverse engineer malicious code capabilities and to perform post-mortem forensic analysis on compromised machines. The student is also introduced to virtual machines and their important role in conducting malicious code forensic analysis in a safe environment.

Prerequisite(s): CSIS1112, CYB3001.

Offered at Providence

3 Semester Credits

**CYB3220 Network Forensics**

This course immerses students into the world of network forensics. The essentials covered in this class include network forensics investigative methodology, network technical fundamentals, evidence acquisition, packet and flow analysis, network intrusion detection and analysis, and forensic reporting. Upon successful completion of this class, the student is ready to conduct real-world network forensic investigations in a laboratory setting utilizing industry-recognized tools and methodology.

Prerequisite(s): CYB3001, ITEC2081.

Offered at Providence

3 Semester Credits

**CYB4010 Computer and Network Forensics**

This course introduces students to the nature of digital evidence, the tools and techniques used to acquire such evidence, and the practices used to preserve its integrity through the use of lectures and hands-on exercises. Students are also introduced to the process of testifying and ethics for the expert witness.

Prerequisite(s): Senior status.

Offered at Online, Providence

3 Semester Credits

**CYB4026 Cyber Intelligence**

This course examines the emerging stages to the current operational and political impact of cyber intelligence. Students explore a full range of cyber capabilities from exploitation, attack and defense. Students analyze and discuss several case studies that demonstrate the challenges and benefits of cyber intelligence to the cyber operations and security environment. This course demonstrates how cyber security and operations have changed the nature of intelligence collections, operations and analysis across the intelligence communities.

Prerequisite(s): CYB3038.

Offered at Online, Providence

3 Semester Credits

**CYB4032 Perimeter Protection and Vulnerability Assessment**

This course examines the threat from computer hackers and the countermeasures to protect against such attacks, including security policies, security hardware and software technologies, vulnerability analysis, security assessments, penetration testing, and vulnerability scanners. Topics include types of network security, varieties of attacks, fundamentals of firewalls, firewall practical applications, intrusion detection systems, encryption, virtual private networks, operating system hardening, defending against virus attacks, Trojan horses and spyware, security policies, assessing a system, security standards, and computer-based espionage and terrorism.

Prerequisite(s): ITEC3075.

Offered at Providence

3 Semester Credits

**CYB4044 Active Cyber Defense and Countermeasures**

This course is based on the concept that current, traditional "boxed" defense solutions are no longer working and attackers are becoming more and more successful as a result. Emphasis is on new strategies for IT security professionals to be successful. Topics include tools for proactive defense, such as annoyance, attribution and attack.

Prerequisite(s): CYB4032.

Offered at Providence

3 Semester Credits

**CYB4050 Exploitation & Incident Response**

This course introduces students to the arts and skillsets of traditional "Red" and "Blue" teams. Participants are immersed into worlds of computer exploitation and incident response, providing the unique experience of learning how to compromise a machine/network and then uncovering and documenting the evidence left behind. In addition, the course teaches the student to utilize a variety of open source tools to exploit weaknesses in a typical networked environment. The class introduces defense techniques aimed at common system/network weaknesses. Topics include physical security, social engineering, reconnaissance, port/network and vulnerability scanning, creating custom exploits, weaponizing documents, and anti-virus evasion.

Prerequisite(s): CYB3205, CYB3220.

Offered at Providence

3 Semester Credits

## Data Analytics (DATA) Courses

**DATA5025 Tools for Data Analytics**

This course teaches students without a background in a database and/or statistical scripting language the concepts necessary to complete the graduate program in Data Analytics. This course delivers an understanding of core concepts of database and analytical programming. Students clean, manipulate and visualize data to solve problems utilizing tools such as SQL and R.

Offered at Online, Providence

3 Semester Credits

**DATA5050 Data Management**

This course introduces students to data management by exploring the history of databases, database concepts and structures, the data project cycle, and data best practices. Students learn basic SQL skills to gain an understanding of what is possible with data and build on foundational database concepts. Throughout the course, focus is also placed on data ethics and its role in current business issues. Students demonstrate what is possible with data by completing a project utilizing learned data skills.

Offered at Online, Providence

3 Semester Credits

**DATA5100 Statistical Analysis**

This course explores how statistics can be used as a powerful tool for data analysis. Students learn several statistical approaches while using programming language centered around statistics to work with real data. Students gain an understanding of the descriptive and inferential statistics and how they are key concepts in the quantitative analysis of data. Students demonstrate understanding of topics through practical use case scenarios.

Prerequisite(s): DATA5025 (or concurrent) or permission from the department chair.

Offered at Online, Providence

3 Semester Credits

### **DATA5150 Data Mining**

This course introduces the theories and tools for intensive data analysis methods and data-mining techniques such as rule-based learning, decision trees, clustering, and association rule mining. This course also covers interpretation of the mined patterns using visualization techniques and offers students an opportunity to gain the knowledge and experience to apply modern data-mining techniques for effective large-scale data pattern recognition and insight discovery. Data analysis software is introduced via currently used tools in the industry. In addition to expanding upon the earlier introduced approaches to discerning and validating patterns in data through sound applications of the scientific method, with a particular emphasis on hypothesis testing, the notion of statistical significance, and tests of difference, the goal of this course is to endow students with the fundamental data management, review, re-engineering, and exploration skills, as necessary data analytical competencies. Discussions include the main data-mining methods currently used, including data preparation, cleaning, testing, training, clustering, classification, association rule mining, decision networks, and other common data-mining algorithms and techniques.

Prerequisite(s): DATA5025 or permission from the department chair.

Offered at Online, Providence

3 Semester Credits

### **DATA5200 Data Visualization**

This course provides students with the tools and techniques to tell a story visually with data. Many analysts find great insights in the data but struggle to successfully deliver their message. The goal of this course is to provide a foundation to bridge that gap. Students learn visual perception and cognition concepts through the creation of powerful visualizations using tools like Tableau and Power BI. This is a project-based course, where students work with data from exploration to the creation of a dashboard that clearly delivers its intended message.

Offered at Online, Providence

3 Semester Credits

### **DATA5300 Big Data Analytics**

This course introduces students to the world of Big Data, a world in which websites, mobile phone applications, credit cards and many more everyday tools we use extensively collect a tremendous amount of information. Students learn about the history, current challenges, trends and applications of these massive datasets. They explore the specialized algorithms for Big Data analysis, mining and learning algorithms that have been developed specifically to deal with large datasets. Students learn about techniques used for managing Big Data such as cloud computing, map-reduce parallel computing, distributed file systems, No SQL databases, stream computing engines and other related technologies.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5350 Text & Web Mining Analytics**

In this course students dive into the critical intersection of text, programming, and actionable insights. Specifically, this course covers important topics in text mining, including basic natural language processing techniques, document representation, text categorization and clustering, document summarization, sentiment analysis, social network and social media analysis, probabilistic topic models, and text visualization.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5400 Introduction to Predictive Modeling**

This introductory course focuses on how to use predictive models to analyze data. Data in the real world involves elements of systematic patterns as well as uncertainty. The uncertainty may arise from missing information, measurement error or incomplete sampling of the population. Statistical modeling methodologies provide a set of tools for understanding data by incorporating assumptions and prior knowledge. These models are useful for supporting decision-making in many areas of computer science, including machine learning, data mining, natural language processing, computer vision, and image analysis.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5515 Advanced Topics in Predictive Analytics**

In this advanced course in predictive analytics, students learn the basic theory of stationary processes, linear filters, spectral analysis, ARIMA models, forecasting and smoothing, models for trends and seasonal patterns, and autoregression and time series regression models. Hierarchically introduced methods start with terminology and exploratory graphics, moving to descriptive statistics, and ending with modeling, forecasting procedures and practical applications. Emphasis is on the practical application of time series models.

Prerequisite(s): DATA5400.

Offered at Online, Providence

3 Semester Credits

### **DATA5550 Optimization Simulation**

Drawing upon previous coursework in predictive analytics, modeling, and data mining, this course provides a review of statistical and mathematical programming and advanced modeling techniques. It explores computer intensive methods for parameter and error estimation, model selection, and model evaluation. The course focuses upon business applications of statistical graphics and data visualization, tree-structured classification and regression, neural networks, smoothing methods, hybrid models, multi-way analysis, and hierarchical models. This is a case-study and project-based course with a strong programming component.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5600 Research Methods in Data Analytics**

This course enables graduate students to develop problem-solving, critical thinking and decision-making skills that are important for professionals in all areas of data analytics. Students evaluate quantitative research methods and develop techniques to improve their understanding and evaluation of information. The course examines the research process from problem identification and hypothesis development to data gathering and analysis. Students review pertinent data and literature such as secondary sources, critique published materials, and focus on the nature of empirical research and the elements of research design. Particular attention is given to the student's perspective of the applicability of research to their data analytics careers.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5700 Data Analytics Capstone**

This capstone course challenges students to apply theoretical knowledge acquired throughout the program to a project involving actual data in a realistic setting. With faculty guidance, students collect and process data by applying suitable and appropriate analytic methods. Students identify the problem and methodological framework necessary to apply to recommended solutions. At the conclusion of the course, students communicate their findings by presenting to a select group of faculty and/or the client.

Prerequisite(s): Completion of 27 credits in program.

Offered at Online, Providence

3 Semester Credits

## **Digital Mrktg & Social Media (DMSM) Courses**

### **DMSM1001 Introduction to Digital/Social/Mobile Media**

This course introduces students to the history of digital, social and mobile media and the unique characteristics of each. Students gain an understanding of the development of marketing objectives and strategies using such media; identify best practices, advantages and disadvantages of each platform; review emerging technologies and trends; and understand metrics and how to analyze and evaluate data. Students are required to participate in a high level of interactivity with social, digital and mobile media networks, forums, digital bulletin boards, blogs, wikis and more. Based on case studies, students analyze and make recommendations for successful digital, social and mobile media strategies.

Offered at Online, Providence

3 Semester Credits

### **DMSM2025 Introduction to Data Visualization**

This course introduces students to the concept of data visualization. The course begins with an examination of the element of visual design and how it can effectively be used to present data. The psychology of human perception, decision-making and the identification of a target audience are explored. Students learn how to effectively use industry tools for live audience presentations. The fundamentals of storytelling are explored. Students learn the process of analyzing, shaping and presenting data for effective decision-making.

Prerequisite(s): FIT1040.

Offered at Online, Providence

3 Semester Credits

### **DMSM2050 Spreadsheets for Data Analysis**

This course introduces students to the power of Excel and its ability to analyze. Focus is placed on data models, PivotTables, PowerQuery, PowerPivot and data visualization.

Prerequisite(s): FIT1040.

Offered at Online, Providence

3 Semester Credits

### **DMSM4030 Senior Capstone**

This capstone course leads students through the assembly of a comprehensive presentation that demonstrates mastery of digital and social media marketing strategies. With faculty guidance, students plan and execute a digital/social media marketing campaign which is analyzed for its effectiveness. The action plan, which consists of the project plan, execution schedule, data collection methodology, analysis of findings, and conclusions/recommendations for a real product or service, is presented to a group of faculty and the client, if applicable.

Prerequisite(s): MRKT3085, senior status.

Offered at Online, Providence

4 Semester Credits

## **Directed Experiential Ed (DEE) Courses**

### **DEE3999 Directed Experiential Education**

Directed Experiential Education (DEE) offers students an intensive, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a specific industry-based or functional-area-based project completed for a nonprofit or for-profit DEE partner. Through weekly group seminar meetings, extensive field work (independent and/or group-based) and purposeful reflection, students apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities, and refine critical thinking, problem-solving and active citizenship skills. The course culminates in a formal presentation to the DEE partner. This course is recognized as an Experiential Education (EE) course, indicating that experiential learning is used as a primary method of achieving the course objectives.

Prerequisite(s): Minimum of 57 credits and faculty recommendation.

Offered at Charlotte, Online, Providence, Providence CE

3-6 Semester Credits

### **DEE6899 Directed Experiential Education**

Directed Experiential Education (DEE) offers students an intensive, semester-long, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a specific industry-based or a functional area-based project completed for a nonprofit or for-profit DEE partner. Through weekly group seminar meetings, extensive field work (independent and/or group-based) and purposeful reflection, students construct and appraise acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities, support critical thinking, and formulate problem-solving and active citizenship skills. The course culminates in a formal presentation and deliverables to the DEE partner, and is recognized as an "Experiential Education" (EE) course, indicating that experiential learning is used as a primary method of achieving the course objectives. Students can take up to three semesters of this course at 3.0 credits per semester.

Prerequisite(s): Faculty recommendation and approval by the department chair.

Offered at Providence

3 Semester Credits

## **Economics (ECON) Courses**

### **ECON1001 Macroeconomics**

This course is designed as a general introductory course in economics covering the major elements of economic theory that apply to the overall economy. It is designated as the first of two introductory courses in economics. The various topics it covers include how the economy functions as a whole, the market system, national income, business cycles, the financial system, macroeconomic theories, monetary and fiscal policy, and international trade.

Prerequisite(s): MATH1002 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON1002 Microeconomics**

This course consists of microeconomic principles and issues. Course content examines and analyzes demand and supply elasticities and efficiency of the market equilibrium. In addition, the costs of production and the four basic market models of firms' short-run and long-run operations are discussed. Other topics covered include pricing strategies, market failures and government policies to resolve them.

Prerequisite(s): MATH1002 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON2010 World Economic Geography**

The purpose of this course is to provide an understanding of the economic resources at our disposal and the natural conditions under which the utilization of these resources may be achieved. Locations, characteristics, and relationships of economic activities are discussed and analyzed to permit better insight into these issues.

Prerequisite(s): ECON1001 or ECON1002.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON2011 Intermediate Macroeconomics**

This course is designed to be a comprehensive analysis of the economy as a whole. Topics covered are economic growth, unemployment, inflation, business cycles, as well as monetary and fiscal policy. An examination of economic theories of the long run and short run are also included.

Prerequisite(s): ECON1001, MATH1035, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON2022 Intermediate Microeconomics**

This course is an in-depth analysis of how individuals and firms make decisions under conditions of scarcity. Topics examined are consumer choice, demand and supply, elasticity, cost functions, market structures, profit maximization, optimal pricing, game theory and market failures.

Prerequisite(s): ECON1002, MATH1035, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON3025 The Global Economy in the 21st Century**

This course introduces students to the economic problems that have emerged as a result of the process of globalization. Various issues such as the growth of world population, availability of resources, problems with the environment and climate change, the state of the global economy, and problems of global security are analyzed.

Prerequisite(s): ECON1001 and ECON1002.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON3030 Managerial Economics**

This course introduces business students to the application of economic principles at the decision-making level in a business organization. This course demonstrates how economic concepts can be applied to decisions involving business strategy and the attainment of organizational objectives.

Prerequisite(s): ECON1002, BUS1001 or MGMT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits



### **ECON3070 Contemporary Economic Issues**

This course is a topical examination of current macroeconomic and microeconomic issues that impact the U.S. economy. Course content examines and analyzes topics such as government finance, health care, the environment, energy, poverty and welfare, social economic issues, the housing market, terrorism, casino gambling, and the stock market.

Prerequisite(s): ECON1001 and ECON1002.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON3200 Econometrics**

Econometrics is a set of research tools used to estimate and test economic relationships. The aim of this course is to provide students with the skills helpful in filling the gap between studying economics and applying economics statistically. With this course, students gain an overview of what econometrics is, how to build and estimate regression models, interpret estimation results, predict model outcome, conduct hypothesis tests, and diagnose model specifications. The emphasis of this course is on understanding the tools of econometrics and applying them in practice.

Prerequisite(s): ECON1001, ECON1002, MATH2001 or MATH2010, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON4900 Economics Capstone Seminar**

This capstone course, delivered in a seminar format, is for seniors pursuing the Economics bachelor's degree. Students use the knowledge obtained through required major courses to further develop their critical thinking, analytical and decision-making skills in economics. Students use statistics software to conduct analysis when appropriate.

Prerequisite(s): ECON2011, ECON2022, ECON3200, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ECON5000 A Survey of Economic Principles**

This course consists of micro- and macroeconomic issues and principles as they apply to the development of a viable and sustainable economy. Course content includes product and resource markets with an emphasis on demand, supply, price elasticity and consumer behavior. This course includes the features and goals of capitalism, the market system, national income, business cycles, and monetary and fiscal policies as they relate to economic viability and sustainability, with a view at causal effects in the global economy.

Offered at Online, Providence

3 Semester Credits

## **Education (EDUC) Courses**

### **EDUC5070 Disciplinary Literacy in the Secondary Classroom**

Teacher candidates study the role of literacy in the teaching and learning process in the secondary classroom. They identify strategies to help their students access information, improve comprehension, and communicate effectively through reading, writing, speaking, listening and critical thinking. Teacher candidates develop lessons with an underpinning of the Understanding by Design framework that develop the literacy abilities of their students as well as the content-specific concepts and skills of their discipline.

Offered at Providence

3 Semester Credits

### **EDUC5130 Foundations for Teaching and Learning**

This initial course in the M.A.T. program provides students with foundational knowledge in learning theory, action research, and educational practices including the role of technology to build a broad understanding of learning and teaching in American schools today. Through course lectures, videos, readings, discussion and interactive activities, students examine a variety of issues including neurological and cultural factors that impact how students learn, characteristics of standards-based curricula, meeting the needs of diverse learners, the power of collaboration, and the purposes for formative and summative assessments. Students examine and utilize the Common Core State Standards in a data-driven school improvement project designed to give them a "big-picture" understanding of how teachers, administrators and community members use research, assessment and contextual data to inform practice and support student learning. Students examine the Rhode Island Professional Teacher Standards and the Rhode Island teacher evaluation system to support their emerging understanding of the professional, educational, legal and ethical responsibilities to students and their families.

Offered at Providence

3 Semester Credits

### **EDUC5170 Best Practices in Literacy Instruction**

This course explores the science of reading through an instructional framework designed to teach phonemic awareness, phonics, vocabulary/word study, reading fluency and reading comprehension. Students write lesson plans in each of these five areas of reading and implement lessons in class and/or field settings. Through course content and guided field experiences students learn strategies and best practices to teach reading, writing, speaking and listening skills. This course focuses on English Language Arts as an interdisciplinary and developmental process.

Offered at Providence

3 Semester Credits

### **EDUC5180 Curriculum Development for Culinary Arts Programs**

This course introduces students to current theories and models in curriculum design in the field of culinary education. Students explore and evaluate curricula currently used in both higher education culinary programs and in high school culinary programs. During this process, students identify an area of need or of interest in the field and construct program or unit curricula to improve teaching and learning outcomes. Students identify standards, formative and summative assessment measures, instructional strategies and resources for student achievement.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

### **EDUC5190 Teaching Financial Literacy**

Pre-service business education teachers learn various strategies for teaching secondary students the knowledge, skills and dispositions required for them to become independent adult consumers capable of making wise financial decisions for a lifetime of economic well-being. Emphasis is placed on supporting secondary students in managing their own personal finances by employing knowledge and critical thinking. Online tools and financial literacy resources are employed to research the most current data and information on personal finance topics such as savings, credit, investing, insurance, taxes, budgeting, banking and other important components of personal finance. Teacher candidates design lessons that connect to the Common Core State Standards and engage students in critical thinking, problem-solving and sound decision-making in the consumer financial enterprise. Participants observe, reflect on and implement lessons based on course content through related lab experiences.

Prerequisite(s): EDUC5230.

Offered at Providence

3 Semester Credits

### **EDUC5230 Strategies for Teaching Business**

This course provides aspiring business teachers with information and experiences that will help them develop and deliver effective instructional programs for students at the secondary level. Teacher candidates put instructional theory into practice in the areas of lesson planning, classroom instruction, management and assessment. In both class and fieldwork settings in high school classrooms, teacher candidates engage in planning, delivering and evaluating lessons, and providing feedback to support student learning in the business classroom. Discussion of readings, reflection on practice, and the use of technological advancements in the classroom setting enrich the learning experience.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

### **EDUC5240 Methods of Teaching Culinary Arts**

This methods course provides students with the knowledge of the principles and techniques of instruction as it pertains to the experiential classroom of culinary arts. Emphasis is on long-range and daily plans, methods, tools and skills of instruction. The organization of instructional materials and supplementary materials in order to accommodate special needs and individual differences among students in today's diversely populated secondary and post-secondary school classrooms is stressed. Participants observe, reflect on and implement lessons based on course content and through related lab experiences. Students are required to synthesize the content of the course, current research and best practices with their fieldwork experiences.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

**EDUC5260 Strategies for Teaching Mathematics**

This course is based on best practices in level two and level three research for delivering mathematics instruction. Value is placed on thinking, reasoning, and communicating mathematically and making connections among mathematical ideas and real-world situations. All course content is connected to teacher moves based on the Ten Principles of Thinking Mathematics and student habits of mind based on the Eight Mathematical Practices. Participants observe, reflect, write and implement lessons based on course content through related lab experiences. Participants use protocols for looking at student work. This course provides an opportunity to deepen mathematical understandings and align instructional practice to Common Core Standards and Mathematical Language Routines.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

**EDUC5270 Advanced Methods of Teaching Culinary Arts**

This advanced methods course is designed to expand upon the course outcomes of Methods of Teaching Culinary Arts. Students apply their knowledge of the principles and pedagogies for teaching culinary/pastry arts skills in both a lab and classroom environment. Emphasis is placed on understanding how students think, learn, communicate, and perform culinary/pastry technical skills in the experiential culinary arts classroom. Students construct a standards-based unit using a backward design framework and teach a lesson or series of lessons from their unit. Self, peer and instructor feedback is used to strengthen their teaching practice.

Prerequisite(s): EDUC5240.

Offered at Providence

6 Semester Credits

**EDUC5280 Strategies for Teaching Science**

Pre-service teachers critically analyze and develop science curriculum that meets the needs of all learners using the Understanding by Design (UbD) framework. Teacher candidates review science content as they synthesize the Next Generation Science Standards to determine enduring understandings that are critical for real-world application. Emphasis is placed on the incorporation of the eight science and engineering practices within inquiry-based science experiences. Teacher candidates are required to demonstrate high levels of reflection to connect current research to observations in lab experiences.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC5315 Exploration of Teaching and Learning**

This course examines fundamental principles, beliefs and issues in teaching and learning. Participants explore these areas of inquiry to develop a vision of effective teaching that serves as the foundation for the M.Ed. in Teaching and Learning program at Johnson & Wales University. Emphasis is on the importance of developing accomplished practice and the potential of effective teaching to support significant student learning. Various educational and instructional theories, philosophies, practices and programs are explored to evaluate their role in contributing to accomplished teaching. Emphasis is given to the critical role of research and data to guide instruction and instructional planning. Through critical analysis, coursework and reflection, participants analyze and apply these understandings to their teaching context in a "classroom as laboratory" model.

Offered at Providence

4.5 Semester Credits

**EDUC5335 Culturally Responsive Teaching**

This course examines the learner and his/her role in the teaching and learning equation and how the teacher can impact the learning process. The focus of the course is on the interactive nature of teaching for learning in which the teacher continuously and proactively acts to support students and their learning. A major theme of this course is knowing students as individuals and how students' culture, backgrounds, strengths and challenges affect teaching and learning. Emphasis is also placed on knowing how students learn and the use of this knowledge to support student learning and design effective learning environments. Connecting these two threads is the essential role of the teacher to actively monitor and manage the learning environment and student learning. Through critical analysis and course work, participants analyze and apply these understandings to their teaching context to document their emerging mastery and use of strategies to support student learning.

Offered at Providence

4.5 Semester Credits

**EDUC5355 Standards and Curriculum Development**

This course examines the nature and roles of standards, standards-based learning, curriculum and instructional design. Emphasis is on identifying how standards support and inform student learning, the relationship between curriculum and classroom instruction, and the focus of the teacher in planning and designing effective learning experiences. An additional theme of the course is the teacher's crucial role as designer, producer, consumer and reviewer of curriculum and instruction. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging expertise.

Prerequisite(s): EDUC5315.

Offered at Providence

4.5 Semester Credits

**EDUC5375 Instructional Strategies and Resources**

This course examines high quality curriculum design with emphasis on instructional strategies and resources and their impact on student learning. Strategies and resources that effective teachers use to support students and their learning are explored, such as teaching as an iterative process, and matching instructional use of strategies and resources that are based on research, best practices, content, and student needs. Emphasis is also given to the essential role of reflection and revision, as effective teachers continuously monitor and learn from their practice. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging expertise with the selection and use of instructional strategies and resources.

Prerequisite(s): EDUC5315.

Offered at Providence

4.5 Semester Credits

**EDUC5400 Using Feedback to Support Learning in Culinary Education**

This course explores how assessment and resulting data are used to guide and inform instruction in the culinary classroom/kitchen. A major theme of the course is formative assessment as a tool to effectively monitor, respond to, and advance student learning. Participants examine how students think and develop skills in the culinary setting and design lessons that strategically use the formative assessment process to assess learning and guide instruction for whole class, small group and individual learners. In addition, participants explore and apply strategies that allow their students to use feedback to improve learning. Emphasis is given to the use of rubrics, grading practices and the effective use of technology strategies to assist in the process of formative assessment.

Prerequisite(s): EDUC5240.

Offered at Providence

3 Semester Credits



**EDUC6120 Assessment for Student Learning**

This course explores how assessment and resulting data are used to guide and inform instruction. Students use formative assessment as a tool to effectively monitor, respond to, and develop student learning. Participants examine how students think and develop skills in their discipline and design lessons that strategically use formative assessment strategies to assess learning and guide instruction. Participants implement a lesson applying formative assessment and collaboratively reflect upon the lesson with peers in order to improve their practice. Emphasis is given to the use of rubrics, grading practices and the effective use of technology strategies to assist in the process of formative assessment.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

**EDUC6230 Disciplinary Literacy in the Social Studies Classroom**

This methods course is designed to provide knowledge of how to design and teach an integrated study of social sciences and the humanities to promote historical understanding and civic competence among students. Emphasis is on instruction that facilitates the teaching of social studies content, skills, concepts and disciplinary literacy through daily and long-range planning aligned with the Understanding by Design framework, and the use of research-based, best-practice methods. The course also emphasizes the tools and skills of instruction and the organization of instructional and supplementary materials in order to accommodate the special needs and individual differences among students in today's diverse elementary school classrooms. Based on course content and collaboration with cooperating teachers, participants design a content area unit to be implemented during student teaching.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC6250 Coding, Apps, and Digital Collaborative Tools**

This course provides an understanding of digital collaborative tools and emerging technology in order to create authentic learning. It introduces programming and apps for student engagement for digital learners. Students learn about these various digital technologies and how to design and infuse them into their pedagogy. Through in-class, individual, hands-on instruction and team-based experiential learning, students incorporate these innovative tools into their classrooms to create purposeful curriculum design with 21st-century tools.

Prerequisite(s): EDUC5230.

Offered at Providence

3 Semester Credits

**EDUC6315 Assessment and Evaluation in Education**

This course examines the field of assessment, major issues and trends, and the impact of assessment on teaching and learning. Students explore the various types and purposes of assessments, and examine foundational concepts of the field, such as validity and reliability. Students look at a variety of large and small-scale assessment data and explore the use of data to inform curricular and programmatic changes.

Prerequisite(s): EDUC5375.

Offered at Providence

4.5 Semester Credits

**EDUC6335 Embedding Formative Assessment in Teaching Practices**

This course extends and deepens understandings about the impact of assessment on teaching and learning. The course focuses on assessment as a teaching and learning strategy as opposed to simply being a matter of testing and evaluating. A major theme of the course is formative assessment as a tool to effectively monitor, respond to, and develop student learning. Emphasis is also given to the use of learning progressions, rubrics, collaboratively examining student work and the student's role in assessing their learning. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging concept of assessment for learning.

Prerequisite(s): EDUC5375.

Offered at Providence

4.5 Semester Credits

**EDUC6355 Supporting Learners in a Challenging World**

This course examines the broad context of contemporary education. From issues of economic instability to the demands of college and career readiness, today's educators must support students who arrive in the classroom facing any number of family, mental health, economic and societal issues. Each course participant takes a deep dive into one issue to determine impacts on students and learning. Research in education and related fields is used to develop recommendations to support students academically, emotionally and socially, building skills and knowledge that lead to increased grit and resiliency. Students complete a case study to put their learning into practice. Through sharing research in this learning community, course participants benefit from each other's growing expertise.

Prerequisite(s): EDUC6315.

Offered at Providence

4.5 Semester Credits

**EDUC6375 Teaching: A Call to Action**

This course explores the multiple and critical roles accomplished teachers engage in and fulfill to support student learning and advance the goals of the larger educational community. The focus of the course is on how and why accomplished teachers, in addition to their instructional responsibilities, must act as learners, leaders and collaborators with their colleagues, the community and students' families to maximize learning and advance the culture of learning and teaching. In addition to examining these critical roles, participants demonstrate, share and reflect upon evidence of their emerging engagement in each. As the last course in the M.Ed. in Teaching and Learning, this course requires that degree candidates connect and synthesize learnings and central themes, which have evolved during their work in the program, to their ongoing efforts to be learners, leaders and collaborators. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context and develop a path for continuous future growth.

Prerequisite(s): EDUC6315.

Offered at Providence

4.5 Semester Credits

**EDUC6397 Assessment for Learning: Part 1**

This course examines the field of assessment, major issues and trends, and the impact of assessment on teaching and learning. The course focuses on assessment as a teaching and learning strategy as opposed to simply being a matter of testing and evaluating. Students internalize the role of formative assessment in the teaching and learning process and learn a variety of strategies that have a profound impact on student success. Participants apply course learnings to their teaching situation and reflect on the power of formative assessment to change the focus in the classroom from "Did I teach it?" to "Have they learned it?".

Prerequisite(s): EDUC5330.

Offered at Providence

3 Semester Credits

**EDUC6398 Assessment for Learning: Part 2**

This course extends and deepens understandings about the impact of assessment on teaching and learning. The course focuses on assessment as a teaching and learning strategy as opposed to simply being a matter of testing and evaluating. A major theme of the course is formative assessment as a tool to effectively monitor, respond to and develop student learning. Emphasis is also given to the use of learning progressions, rubrics, collaboratively examining student work, and the students' role in assessing their learning. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging concept of assessment for learning.

Prerequisite(s): EDUC6397.

Offered at Providence

3 Semester Credits

**EDUC6570 Classroom Management in the Culinary Arts**

The purpose of this course is to provide pre-service culinary/baking teachers with group and individual behavior management and instructional procedures that can be used in a variety of educational environments. Course content provides both theoretical understanding and practical application of strategies aimed at creating safe, encouraging and effective learning environments. Emphasis is placed on the use of evidence-based instructional procedures rather than the content (i.e., curriculum) of instruction, behavior and program evaluation, and core management principles. Specific focus is on the unique challenges and opportunities of the culinary/baking setting.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6610 Sustaining a Culinary Arts Program**

This course is designed to prepare students to sustain culinary arts programs in secondary and postsecondary settings. Through an examination of prototypes, case studies and existing programs, students evaluate features of culinary arts programs with respect to their structure, educational quality, funding sources and marketing strategies. Emphasis is placed on how these elements are interconnected and how programs can be made more sustainable through specific strategies. Students synthesize their findings and develop a fiscally sustainable program that meets the needs of students.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6910 Student Teaching Part 1: Elementary Education**

Students in this course spend 30 school days in a supervised teaching situation at a public elementary school (grades 1–6) or middle school (grades 4–6) site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC6920 Student Teaching Part 2: Elementary Education**

Students in this course continue the Student Teaching Part 1: Elementary Education placement in a supervised teaching situation at a public elementary (grades 1–6) or middle school (grades 4–6) site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6910.

Offered at Providence

3 Semester Credits

**EDUC6930 Student Teaching Part 1: Business Education**

Students in this course spend 30 school days in a supervised teaching situation at a public secondary school site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students may participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC6940 Student Teaching Part 2: Business Education**

Students in this course continue the Student Teaching Part 1: Business Education placement in a supervised teaching situation at a public secondary school site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6930.

Offered at Providence

3 Semester Credits

**EDUC6950 Student Teaching Part 1: Culinary/Baking Education**

Students in this course spend 30 school days in a supervised teaching situation at a public secondary school site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students are required to demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students may participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6960 Student Teaching Part 2: Culinary/Baking Education**

Students in this course continue the Student Teaching Part 1: Culinary/Baking Education placement in a supervised teaching situation at a public secondary school site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6950.

Offered at Providence

3 Semester Credits

### **EDUC6970 Capstone Part 1: Culinary/Baking**

Students in this course (and Part 2 of same) spend 15, 30 or 45 class days in a supervised teaching situation at Johnson & Wales University. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the JWU clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of all applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. In addition, along with the capstone faculty, each student designs and implements a culinary/baking curriculum capstone project that is research-based and tied to strong educational practice learned throughout the program. The scope of the project is tied to the length of the student teaching done as part of the overall capstone experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

### **EDUC6980 Capstone Part 2: Culinary/Baking**

Students in this course (and Part 1 of same) spend 15, 30 or 45 class days in a supervised teaching situation at Johnson & Wales University. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the JWU clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of all applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. In addition, along with the capstone faculty, each student designs and implements a culinary/baking curriculum capstone project that is research-based and tied to strong educational practice learned throughout the program. The scope of the project is tied to the length of the student teaching done as part of the overall capstone experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6970.

Offered at Providence

3 Semester Credits

## **Engineering (ENGN) Courses**

### **ENGN1015 Introduction to Engineering**

This first-year engineering course is designed as an introduction to engineering and the techniques and tools used in solving engineering problems. The engineering design process is utilized in the development of solutions to problems. Data analysis, formula construction and graphing techniques are developed through the use of software applications. Programming in MATLAB and Python are included. Individual as well as team problem-solving activities are required with written technical documentation. The nature of engineering ethics and professional responsibility are discussed and the impact of engineering solutions in a global, economic, environmental and societal context are addressed.

Offered at Providence

3 Semester Credits

### **ENGN2001 Digital Logic Design**

This course focuses on the fundamental theory of combinational and sequential logic, including the analysis and design of digital circuits. Topics include numbering systems, logic gates, Boolean algebra, minimization of logic functions, timing diagrams, flip-flops, finite state diagrams, counters and registers. This course includes the use of FPGA software and tools for minimization, simulation, and schematic capture of combinational and sequential digital circuits.

Offered at Providence

4 Semester Credits

### **ENGN2009 C Programming for Engineering**

This programming course teaches students the fundamental principles of programming and using the C programming language to solve engineering problems. Students are familiarized with the process of design and development of computer programs to solve engineering problems using standard strategies and techniques used in industry. Topics covered include how programs are structured, how arrays and strings are processed, and how files are manipulated. Students gain experience with industry-specific hardware to interface with their programs.

Prerequisite(s): ENGN1015.

Offered at Providence

4 Semester Credits

### **ENGN2014 Computer Architecture I**

This course is a study of the evolution of computer architecture and the factors influencing the design of hardware and software elements of computer systems. Topics include instruction set design; processor micro-architecture and pipe-lining; cache and virtual memory organizations; scheduling, standard hardware performance metrics (e.g., processor speed, number of bits per processor, address capacity, number of interrupt vectors, etc.), protection and sharing; I/O and interrupts; VLIW machines; multi-threaded architectures; symmetric multiprocessors; and parallel computers.

Prerequisite(s): CSIS1112 (or concurrent).

Offered at Online, Providence

3 Semester Credits

### **ENGN2020 Transform Methods for Engineering**

This course covers the time and frequency analysis of linear systems involving Fourier series, the Fourier and Laplace transforms. Transfer function analysis and synthesis principles are developed and placed into application settings. The role of the Laplace transform in network analysis including steady-state AC analysis is addressed. Equivalent state space models are developed.

Prerequisite(s): MATH2040.

Offered at Providence

3 Semester Credits

### **ENGN2025 Applied Mechanics I: Statics**

This course is an introduction to the fundamental concepts of engineering mechanics. Topics include terminology, two and three dimensional force systems, determination of the resultant force of force systems, analysis of coplanar systems in equilibrium, centroids, and moments of inertia and friction.

Prerequisite(s): MATH1040 (or concurrent), ((PHY1011 and PHY1016) or (PHY2011 and PHY2016)).

Offered at Providence

3 Semester Credits

### **ENGN2035 Programmable Logic Controllers**

This course is an introduction to programmable logic controllers (PLCs). It focuses on how PLCs perform process control and motor control functions. Topics include PLC architecture, working principles, programming techniques, ladder logic programming, data manipulation, data highway, and various input/output modules and their interface for actuation signal control.

Prerequisite(s): ENGN2101, ENGN2102.

Offered at Providence

3 Semester Credits

### **ENGN2045 Computer Vision**

This course provides an introduction to the basic elements of computer vision. Emphasis is placed on the applications and practical aspects of computer vision as well as their mathematical formulations and theory. This course involves intensive hands-on computer lab work using modern programming languages and packages. Topics in the course focus on image formations, image processing, and feature detection.

Prerequisite(s): CSIS1020 or CSIS1101 or ENGN2009, MATH1030 (or higher).

Offered at Providence

3 Semester Credits

**ENGN2062 Artificial Intelligence**

This course introduces students to the basic concepts of artificial intelligence, including some applications. The course first introduces the different methods of representing knowledge and inference methods. It is then followed by the study of rule based expert system, fuzzy expert systems and artificial neural networks. There is also a brief introduction to the area of evolutionary computation and genetic programming. Basic method of shape recognition and classifiers may be discussed. Some probability theory and Bayesian analysis are also covered in the course.

Prerequisite(s): CSIS1020 or CSIS1101 or ENGN2009, MATH1030 (or higher).

Offered at Providence

3 Semester Credits

**ENGN2085 Introduction to Embedded Systems**

This is an introductory course in embedded systems, which is a project-oriented design course. Topics include embedded system architectures, memory systems and managements, sensors integrations, power managements, software development tools and platforms, and real-time operating systems.

Prerequisite(s): (ENGN2009 and ENGN2014) or (CSIS2023 and ENGN2014) or (CSIS2023 and CYB2010) or (ENGN2009 and ENGN2205 (or concurrent)).

Offered at Providence

3 Semester Credits

**ENGN2101 Linear Circuit Theory**

This course provides a firm foundation in DC and AC circuit analysis. Emphasis is upon the understanding and application of Ohm's law and Kirchhoff's Voltage and Current Laws in RC, RL and RLC circuits. Methods of linear systems analysis are introduced including Thevenin's and Norton's theorems and the superposition principle. The use of complex numbers and phasor analysis are used to analyze AC passive network circuits. The concepts of maximum power transfer, resonance and passive filters are also covered. Developing an ability to solve engineering problems to design, implement and test circuits to meet design specifications is a focus of the course.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: ENGN2102.

Offered at Providence

3 Semester Credits

**ENGN2102 Linear Circuit Theory Lab**

The course includes laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in ENGN2101 Linear Circuit Theory.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: ENGN2101.

Offered at Providence

1 Semester Credit

**ENGN2205 Microcontrollers**

This course covers introductory and advanced topics in microcontrollers. Topics covered include microcontroller architecture, assembly instruction set, machine code, assembly and high level programming, subroutines, interrupts, basic microcontroller peripherals and co-processors. Various memory technologies and basic memory design for microcontrollers, the interdependence of hardware and software, input/output, and microcontroller applications development tools and platforms are studied.

Prerequisite(s): ENGN2001, ENGN2009.

Offered at Providence

3 Semester Credits

**ENGN3000 Materials and Process Engineering**

This course develops the general properties of materials, defined as plastic, ferrous, nonferrous and ceramics used in product development. Properties of materials are applied to industrial applications to achieve optimum designs. Process engineering concepts are developed from conversion of raw materials into finished products using manufacturing methods to optimize production of parts.

Offered at Providence

3 Semester Credits

**ENGN3005 Operational Amplifiers and Linear Circuits**

This course focuses on the characteristics and application of operational amplifiers (OpAmps) The principles of feedback, open and closed loop operation, and inverting and non-inverting operation of operational amplifiers are explored as is the linear and non-linear operation of the OpAmp. Applications utilizing op-amps including its use as an integrator, differentiator, comparator and active filters are also included. Laboratory projects, both hands-on and simulation, are integrated to reinforce the theory presented in lecture with practical applications to determine device/component performance and operating conditions.

Prerequisite(s): (ENGN2007 and ENGN2008) or (ENGN2101 and ENGN2102), MATH2040.

Offered at Providence

3 Semester Credits

**ENGN3025 Applied Mechanics II: Dynamics**

This course introduces the fundamental concepts in kinematics and dynamics that are necessary to understand and analyze mechanisms and machines. Newtonian mechanics including kinematics and kinetics principles of rigid-body dynamics are introduced. Emphasis is on the analysis of bodies in plane motion.

Prerequisite(s): ENGN2025, MATH1040 (or concurrent), ((PHY1011 and PHY1016) or (PHY2011 and PHY2016)).

Offered at Providence

3 Semester Credits

**ENGN3045 Electricity & Magnetism**

This course is a study of the laws of electromagnetism including electrostatics, magnetostatics and electrodynamics. Maxwell's equations and the mathematical foundations of vector analysis are presented. The course also covers the basic topics in electronic communication: basic principles of antenna, signal transmission and reception; methods of modulations (AM, FM, PM, including DSB and SSB); and spectrum analysis of each method.

Prerequisite(s): ENGN2101, ENGN2102, MATH2043, PHY2022, PHY2026.

Offered at Providence

3 Semester Credits

**ENGN3053 Strength of Materials**

Introduction to the fundamental principles of strength, stiffness, and stability as they apply to mechanical components.

Prerequisite(s): ENGN2025, MATH1040.

Offered at Providence

3 Semester Credits

**ENGN3075 Applied Fluid Mechanics**

This course studies compressible and incompressible fluid statics and dynamics as applied to hydraulic and pneumatic pumps, motors, transmissions and controls.

Prerequisite(s): MATH2040, ENGN3025, ((PHY1011 and PHY1016) or (PHY2011 and PHY2016)).

Offered at Providence

3 Semester Credits

**ENGN3085 Principles of Systems Engineering**

This introductory course addresses the application of scientific and engineering efforts in order to translate specific operational requirements into a system configuration. The course emphasizes a goal-and-team-oriented approach to representative system projects. The goal of this total engineering effort is the creation of an effective and efficient product within specified cost, time and performance envelopes.

Prerequisite(s): MATH1030 (or higher).

Offered at Providence

3 Semester Credits

**ENGN3090 Systems Performance and Measurement**

This course addresses the critical role of performance in the modeling, design, assessment, operation and management of a system. Emphasis is placed on the identification and development of both qualitative performance criteria and quantitative performance criteria. Data-acquisition and processing requirements for these criteria are also considered both for online and offline system assessment.

Prerequisite(s): ENGN3085.

Offered at Providence

3 Semester Credits



### **ENGN3130 Design II: Iteration and Design Development**

This course is a continuation of the design process from a fundamental principles of design course. Concepts of schematic design, iteration and documentation is coordinated with a design for manufacturability and assembly focus. Students learn how to develop designs that satisfy programmatic needs through examination of the whole concept down to the detail, tested through drawing, computer modeling, physical models and prototypes. Students learn how to apply design requirements in order to identify best solutions. Design is documented with a thorough exploration of form, function and mechanism.

Prerequisite(s): CAD2030.

Offered at Providence

3 Semester Credits

### **ENGN3150 Solid State Devices**

This course focuses on the characteristics and application of semiconductor devices in circuit design. The terminology, symbols, and applications of switching and rectifier diodes, Zener diodes, bipolar (BJT) transistors and Field effect (FET) transistors are examined. Circuit applications of power supplies, voltage regulation, small-signal amplifiers and power amplifiers are included.

Prerequisite(s): ENGN2101, ENGN2102, MATH1040, Corequisite: ENGN3151.

Offered at Providence

3 Semester Credits

### **ENGN3151 Solid State Devices Lab**

This course includes laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in Solid State Devices, ENGN3150.

Prerequisite(s): ENGN2101, ENGN2102, MATH1040, Corequisite: ENGN3150.

Offered at Providence

1 Semester Credit

### **ENGN3180 Microelectronics Design**

This is a project-oriented design course. Topics covered include contemporary design methodologies, prototyping platforms, programmable devices, hardware description language, as well as design, verification, realizations of digital systems and their building blocks. This course also covers the process of development and prototyping of electronic systems starting from problem statement to final fabrication at system and board level.

Prerequisite(s): ENGN2085, ENGN2014 or ENGN2205.

Offered at Providence

3 Semester Credits

### **ENGN3302 Robotics**

This course introduces students to the fundamental concepts and applications of robotics including the supporting disciplines of mechanics, motors, microprocessors, and the use of various sensors in robotic systems. Real-time programming and theoretical analysis of electrical, pneumatic and hydraulic servo control systems are covered as well as the theory and application of various sensors such as proximity, light, infrared, ultrasonic and vision. Students utilize microprocessor and microcontroller interfacing and engineering problem-solving skills in the creation of robotic projects in the course. Other topics of discussion and analysis include industrial applications in areas of automotive, semiconductor manufacturing, medical and aerospace.

Prerequisite(s): CSIS2023 or CSIS2050 or ENGN2009.

Offered at Providence

3 Semester Credits

### **ENGN3303 Industrial Robotics**

This course includes an introduction to industrial robots, work cell integration, and manufacturing concepts with an emphasis on the implementation of Lean Manufacturing through design, integration and operation. Students explore how assembly line robots integrate into industrial production and how communications among Computer Numerical Control (CNC) machines, sensors, and pneumatic devices combine to make work cells. Simulated exercises and demonstrations reinforce the theory presented in lecture with practical applications.

Prerequisite(s): ENGN2101, ENGN2102, ENGN3302.

Offered at Providence

3 Semester Credits

### **ENGN3350 Mechatronics**

This course is a study of the basic mechanical components and electrical drives in mechatronics systems. Topics covered include basic functions and physical properties of mechanical components and electrical drivers, as well as strategies to identify, localize and correct malfunctions.

Prerequisite(s): ENGN2035, ENGN2205.

Offered at Providence

3 Semester Credits

### **ENGN4000 Standards/Codes and Ergonomics**

This course is an introduction to standards and regulatory codes governing products and manufacturing procedures. Standards for procedures and processes as related to design and manufacturing are defined and case studies are used to develop relevant concepts. Codes and ergonomic concepts are presented and developed as the driving forces behind standards applied to products and manufacturing procedures.

Offered at Providence

3 Semester Credits

### **ENGN4005 Quality Control/Professional Practice**

This course is an introduction to quality control and professional practice as related to design and configuration management, with the concept of QC as the techniques and activities to achieve, sustain and improve the quality of products, services and the project development. Quality control becomes the responsibility of everyone involved in the design of products or project management. Professional practices covers the general application of regulations, restrictions, record keeping, and ethics related to engineering design and project management.

Offered at Providence

3 Semester Credits

### **ENGN4010 Configuration Management**

This course is an introduction to Configuration Management (CM) as a solution to engineering problems. Students are introduced to project management, change orders, documentation revision, product and project flow processes. Applications of CM are applied to the private corporate sector as well as to government agencies.

Prerequisite(s): Junior or senior status.

Offered at Providence

3 Semester Credits

### **ENGN4030 Digital Signal Processing**

This course involves the study of Fourier analysis for discrete-time and continuous-time signals and systems, difference equation, Z-transforms, digital filter structures and transfer functions. Analysis of sampling and aliasing effects are also presented with design algorithms for IIR and FIR Digital filters. Digital signal processing functions are also discussed. In addition, the course covers selected, basic concepts in electronic communications such as the electromagnetic spectrum, modulation and demodulation, and transmission and reception of signals.

Prerequisite(s): MATH2043.

Offered at Providence

3 Semester Credits

### **ENGN4075 Robotics & Automation I**

This course introduces students to the concepts and applications of robotics and automation. The study of robotics includes the supporting disciplines of mechanics, motors, microcontrollers, various sensors and artificial intelligence. The course covers the concepts of work envelope, real-time programming, and the theory of electrical, pneumatic and hydraulic servo control systems. Also, the theory and application of various sensors including temperature, proximity, ultrasonic and vision sensors, the use of microcontrollers, microcontroller interfacing, and artificial intelligence in robotic systems are addressed. Concepts in automation are covered, including manufacturing systems and elements in work cell.

Prerequisite(s): ENGN3015 or ENGN3350.

Offered at Providence

3 Semester Credits

### **ENGN4080 Robotics & Automation II**

This is a design course incorporating the material studied in the areas of mechatronics, artificial intelligence and computer vision. The course integrates areas of knowledge in microcontroller interface for data acquisition of discrete, digital and analog data, robot kinematics, sensor design and sensor interfacing, communication, basic concepts in navigation and real-time programming.

Prerequisite(s): ENGN4075.

Offered at Providence

3 Semester Credits

### **ENGN4130 Design III: Project Resolution and Detailing**

This course is the final design course in a three-course sequence. Concepts of the design process are applied to industrial design problems and project development techniques. Configuration management techniques are developed to support design analysis and product/project development through the life cycle of the product/project. Students develop research and presentation skills related to the design process, cost estimating and project development centered on industrial and urban problem-solving techniques.

Prerequisite(s): ENGN3130.

Offered at Providence

3 Semester Credits

### **ENGN4140 Capstone Design I**

This is the first design course in a two-course capstone design sequence. This is a project-oriented course in which engineering students participate as a member of an engineering design team to apply engineering principles acquired through their academic and project experiences to complete a project plan for a design project. The design project includes real-world constraints, engineering standards, and the implementation of various hardware and software engineering and/or other science disciplines. Team members employ various interpersonal and research skills in executing the project plan which includes considerations for social, environmental, global impact, and other relevant factors. Student teams demonstrate proof of concept and prepare and deliver a written and oral presentation on the design proposal. Student teams work closely with faculty to regularly assess the progress of the project through interim reporting.

Prerequisite(s): ENGN3180, senior status.

Offered at Providence

3 Semester Credits

### **ENGN4145 Capstone Design II**

This is the second design course in a two-course capstone design sequence. This course is a continuation of ENGN4XXX. This is a project-oriented course in which engineering students participate as a member of an engineering design team to apply engineering principles acquired through their academic and project experiences in the implementation and materialization of the design project and the building of a prototype. Student teams focus on various engineering tasks while executing project activities, including design of digital intellectual property for embedded systems, hardware and software design testing, implementation, validation, reviewing, refining, and demonstration of the results of project activities. Student teams document their final design solution in a written report and make a final oral presentation where they demonstrate a functional prototype. Student teams work closely with faculty to regularly assess the progress of the design project through interim reporting.

Prerequisite(s): ENGN4140.

Offered at Providence

3 Semester Credits

## **English (ENG) Courses**

### **ENG0001 Writing Workshop**

Students are assigned to this course based on a placement test given prior to registering for ENG1020. In this course, taken in conjunction with ENG1020, students review focus, purpose, development and conventions to successfully respond to an on-demand writing prompt.

Offered at Charlotte, Online, Providence

0 Semester Credits

### **ENG1020 Rhetoric & Composition I**

This course introduces students to the skills required for college-level expository writing: critical reading, analysis, evaluation and synthesis. While gaining an understanding of college-level rhetorical theory, critical thinking and composing, students apply appropriate strategies and techniques to a variety of written communication tasks. A process approach empowers students to become flexible thinkers and problem solvers. Class work includes active participation in group discussion and peer critique workshops. Course requirements include several multi-phase composition projects (with significant work on planning, revising and editing) and a final reflective analytical essay exam.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENG1021 Rhetoric & Composition II**

Building on the strategies of rhetoric and composition introduced in ENG1020, students work both individually and collaboratively to create more complex and rhetorically advanced compositions. Students participate in writing workshops enabling them to engage critically with scholarly texts for problem-solving and to consider diverse rhetorical situations when composing academic and non-academic original works. Course requirements combine several multi-phase individual and collaborative composition projects.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENG1024 Honors Composition: Writing in the Academy**

This Honors composition course introduces students to academic writing by exposing them to various discipline-specific ways of knowing, all of which stress critical thinking, research skills and the writing process. Students gain access to multiple perspectives on issues that cut across the curriculum, allowing them to analyze, synthesize, and evaluate these issues in ways that promote academic rigor, readiness for success throughout their academic program, and the skills critical to writing an engaging Honors Thesis. Students will write summaries and analyses of individual readings, expositions of interdisciplinary approaches, and a proposal for a project that comprises an academic research paper and oral presentation.

Prerequisite(s): Honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **ENG1027 Honors Advanced Composition and Communications: Civic Discourse**

This advanced course in composition and communications builds on the skills developed in Honors Composition: Writing in the Academy (ENG1024) by introducing the element of civic discourse into academic writing in the disciplines. Having studied the conventions of academic writing in multiple disciplines, students now consider issues from the perspective of citizen-scholars. They examine controversial issues in the public sphere by studying rhetorical strategies of persuasion, and determining how classical rhetorical theories inform current socio/political debates. Students are required to participate in these debates as writers, researchers, and public speakers who can make effective persuasive arguments. The culminating assignment is a research/persuasive project comprised of an academic paper and a multimedia campaign.

Prerequisite(s): ENG1024 or English placement, honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **ENG1030 Communication Skills**

This introductory course focuses on communication skills essential to career and personal success. Emphasis is placed upon awareness of and adaptation to the audience, ethical responsibility and cultural diversity. Students progress in gradual stages, gaining an understanding of the communication process along with confidence and experience in numerous speaking, listening and small group interactions.

Offered at Charlotte, Online, Providence

3 Semester Credits



**ENG2010 Introduction to Technical Communication**

Commonly defined as workplace communication that enables people to make decisions and perform tasks, technical communication spans a broad range of fields in which individuals and teams create a range of compositions including reports, proposals and instructions for a variety of audiences, purposes and circumstances. In this introductory course, students combine individual and collaborative work to advance their skill in analyzing rhetorical situations to enable planning and executing compositions for a variety of workplace audiences, purposes, and circumstances for delivery in multiple media.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG2030 Introduction to Newswriting**

This course provides students with a practical introduction to basic news and feature writing and emphasizes writing for the specific fields of business, culinary, hospitality and technology.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Online, Providence

3 Semester Credits

**ENG2100 Introduction to Linguistics**

This course provides an introduction to linguistics, the scientific study of language. Students gain an understanding of the core areas of linguistics including morphology, phonetics and phonology, syntax and semantics. Students explore the components of grammar and how to characterize language and become familiar with linguistic research.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**ENG2135 Honors Seminar: Voice to Power — Public Speaking and Civic Responsibility**

This course focuses on developing oral and written communication skills in the context of civic communication and communication in the public sphere. Students not only learn oral communication skills involving diction, body language, audience awareness and delivery, but also demonstrate understanding of rhetorical theory and analysis. Using memorable speeches from history and the current day, students identify the rhetorical strategies used and learn how to apply these skills to their own public speaking. Emphasis is on informative and persuasive speaking occasions and on learning from successful public speakers of past and present.

Prerequisite(s): Honors status.

Offered at Providence

3 Semester Credits

**ENG2401 Introduction to Creative Writing**

This course offers students the opportunity to practice various forms of expressive writing. Students study models and learn techniques for writing effective poetry and prose. Instructors may also incorporate drama into the course work. Most of the daily class periods consist of discussion, lecture, in-class writing and workshops of student writing.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3010 Technical Editing**

This course prepares students for the responsibilities of an editor of common technical documents such as manuals/instructions, websites, reports or proposals delivered in print or online. Topics include copyediting, substantive (comprehensive) editing, and document design for final production. The principle of contextual editing for a range of purposes and audiences is emphasized, as well as the role of the editor as a team member in organizational settings. The student's command of grammar, sentence construction, and style is advanced and refined.

Prerequisite(s): ENG1021 or ENG1027, ENG2010 or ENG2030.

Offered at Online, Providence

3 Semester Credits

**ENG3016 Advanced Business Communication**

This course prepares students to perform high-stakes written and oral communication tasks in organizational or entrepreneurial settings in a 21st-century global economy. Building on skills introduced in earlier composition and communication courses, students plan, compose and deliver documents and presentations for a diverse range of external and internal audiences. The course requires the highest level of professionalism not only in producing quality documents but also in interacting with external and in-house contacts.

Prerequisite(s): ENG1021 or ENG1027, ENG1030.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3030 Introduction to Food Writing**

This course provides students with an opportunity to concentrate on food writing for cookbooks, magazines, newspapers and websites. In addition to becoming familiar with the genre, students are introduced to the protocol for getting published. Students learn how to develop and compose food features and restaurant reviews, as well as construct and edit recipes. Interview techniques, query letters and tailoring work to various publications are also taught.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3050 Introduction to Travel Writing**

This course provides students with an opportunity to concentrate on travel writing for books, magazines, newspapers and websites. In addition to becoming familiar with the genre, they are introduced to the protocol for getting published. Students learn how to develop and compose travel features and guidebook entries. Interview techniques, query letters, and tailoring work to various publications are also taught.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ENG3130 Introduction to Sports Writing**

This course provides students with the opportunity to pursue the evolving world of sports writing. Students explore the history of sports writing from its early days to its current incarnation. Students study the masters, past and present, and then produce their own articles in print and online. The course further covers the genre's societal significance and how new media have changed coverage. Course work includes lectures, writing workshops and critiques.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**ENG3150 Introduction to Fashion Writing**

This course allows students to delve into the unique world of fashion writing, focusing both on the history and practice as they learn to craft compelling prose. Students explore past and current coverage, honing their journalism and multimedia skills, including blogging, photography and video. This course further examines the genre's role in popular culture and its commercial aspects. Course work includes lectures, writing workshops and critiques.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3210 Food Media Presentation Skills**

This course provides students the opportunity to develop media performance skills, specifically related to the culinary field, to effectively disseminate information and educate food and beverage consumers in the 21st century. Students are introduced to various forms of digital food media communication by analyzing and critiquing existing audio-visual media. Students also learn and practice food styling, writing and audio-visual performance techniques and are instructed in the creative and technical aspects of food media. This course affords students the opportunity to practice a variety of communication skills, including written communication (encompassing grammatical and organizational skills), oral communication (including content delivery, vocal dynamics and body language) and technical skills (including creating blogs and performing podcasts and video segments).

Prerequisite(s): ENG1021 or ENG1027, ENG1030.

Offered at Charlotte, Providence

3 Semester Credits

**ENG3300 Literary Editing and Publishing**

This course combines the study of contemporary literary publishing and the practical skills of magazine production in literary creative arts. This course is a production class with the aim of producing a publication for public distribution, either hard-copy or electronically via a website or blog, thus providing students with the practical experience of producing a journal for a real-world audience that exists beyond the classroom. Focus is on improving students' artistic appreciation of writing, art and/or photography. Students are exposed to all levels of the editorial process with special attention given to soliciting and reviewing submissions of poetry, fiction, drama, creative essays and art; fundamentals of style; copy editing; proofreading; and the principles and practices of design. Additional benefits include experience in teamwork, project leadership, communications, analysis of literature and art, marketing, and technology. Students learn to use software such as Adobe InDesign and Adobe Photoshop, or make use of other online platforms to analyze noteworthy print and digital literary journals as their texts for the course.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**ENG3402 Intermediate Creative Writing**

This course offers students the opportunity to practice, develop and refine the creative writing skills they learned in ENG 2401. Students learn and practice techniques for discovering and organizing creative ideas, and advance their understanding of audience by researching potential markets to publish their work. Students learn the more advanced skills required for writing fiction, including narrative structures, voice, dialogue, scenes and transitions, and also learn poetic forms from various cultures, meter, and advanced poetic techniques. With permission of the instructor, students may elect to work with plays or screenplays in lieu of fiction. By the conclusion of the course, students identify the genre in which they plan to specialize and ultimately publish.

Prerequisite(s): ENG2401.

Offered at Providence

3 Semester Credits

**ENG3601 Intermediate Nonfiction Writing**

This course prepares students to read, analyze and write about nonfiction from different critical perspectives. Students study representative nonfiction writers and are exposed to a variety of forms and techniques of the essay from Montaigne in the 16th century to writers who are currently working to expand the idea of nonfiction writing. Students explore the history of the essay as well as recent developments in nonfiction-literary journalism and creative nonfiction. Additionally, students practice writing essays in a variety of forms, using the range of writers they study as models.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**ENG4403 Advanced Creative Writing Workshop**

This course offers students the opportunity to read from the writer's point of view and use the techniques of world-class writers and poets to create their own work, with constructive criticism from their peers and instructor. Students focus on one specific genre (fiction or poetry) with the goal of beginning a book-length project resulting in the completion of a submission package (sample chapters or poetry, a book proposal, and a detailed outline). Students also learn how to self-publish their work on Amazon software platforms.

Prerequisite(s): ENG3402.

Offered at Providence

3 Semester Credits

**ENG4602 Advanced Nonfiction Writing Workshop**

This course allows students to develop their habits and skills as critical readers and creative writers, reading extensively in contemporary creative nonfiction and writing in a variety of the forms that contemporary creative nonfiction has taken. This course is a writing workshop, requiring the production of polished prose for most class meetings, and a continuation of developing the ability to analyze nonfiction prose of all types. Working in a variety of forms, students refine their ability to consider the relationship between form and purpose and audience; working through a number of drafts, students further develop their skills as critical readers and thoughtful, careful writers.

Prerequisite(s): ENG3601.

Offered at Providence

3 Semester Credits

**ENG4900 Reading and Writing Life: Senior Portfolio Assessment**

This capstone course culminates in an e-portfolio that illustrates students' development as readers, writers and scholars in the field of English. With faculty guidance, students gather, revise and organize their work to create a multi-modal platform that serves as a resource for job and school applications. Portfolios consist of a minimum of five pieces that show students' writing processes, five works that have been extensively revised and edited and are publication ready, an annotated bibliography of major course work, an eight to 10 page reflective piece, a resume, and a presentation of the e-portfolio to a select group of faculty and visiting professionals. Class work includes lecture, workshops and discussions.

Prerequisite(s): Senior status.

Offered at Providence

3 Semester Credits

## English as a Second Lang (ESL) Courses

**ESL1110 Beginner Level Oral Communication for Academic Purposes**

This course provides students with the opportunity to build aural/oral skills and confidence at the beginner to advanced-beginner level. Students use text and audio materials to develop vocabulary and speech patterns and practice basic dialogs. Discrete listening is reinforced through exercises.

Prerequisite(s): Placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1120 Beginner Level Grammar for Academic Purposes**

This course introduces present, past and future forms of verbs, including the verb "be." Other grammatical components include nouns and pronouns, prepositions of location, and sentence structure.

Prerequisite(s): Placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1130 Beginner Level Reading for Academic Purposes**

This course provides students the opportunity to develop reading skills and an awareness of context clues. Students are introduced to skimming and scanning skills while increasing their vocabulary and comprehension.

Prerequisite(s): Placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1140 Beginner Level Writing for Academic Purposes**

This course presents the elements of composing, revising and editing paragraphs on a variety of topics using a process writing approach. Sentence construction, syntax and punctuation are emphasized. Students are introduced to critiquing paragraphs using model rubrics. Constructive feedback through peer and teacher conferencing is provided.

Prerequisite(s): Placement exam.

Offered at Online, Providence

6 Semester Credits

**ESL1210 Intermediate Level Oral Communication for Academic Purposes**

This course provides students the opportunity to develop language, vocabulary and listening, and note-taking skills. Students create presentations with a focus on topic choice and idea development. Through classroom discussions, students also begin to apply critical-thinking skills to formulate and express their own opinions and explore their own and other points of view on a variety of relevant topics.

Prerequisite(s): Successful completion of ESL1110 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1220 Intermediate Level Grammar for Academic Purposes**

This course reviews simple and progressive forms in present, past and future tenses and introduces the perfect in present and past tenses. An introduction to modals as well as a variety of structures such as clauses and question format are included. Through pair work, group work and grammar exercises, students work on perfecting their oral and written grammatical abilities in order to become more fluent in the English language.

Prerequisite(s): Successful completion of ESL1120 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1230 Intermediate Level Reading for Academic Purposes**

This course allows students to practice intermediate reading skills so they are able to read more accurately and fluently. Students learn to read from a critical perspective. In addition, students focus on understanding new vocabulary in context and vocabulary building. The basic elements of fiction are introduced.

Prerequisite(s): Successful completion of ESL1130 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1240 Intermediate Level Writing for Academic Purposes**

This course develops students' ability to create, revise and edit paragraphs, essays and business documents using a process-writing approach. Students are introduced to using outside sources. In addition, students utilize and enhance APA format. Peer and teacher conferencing provides constructive feedback.

Prerequisite(s): Successful completion of ESL1140 or placement exam.

Offered at Online, Providence

6 Semester Credits

**ESL1310 Advanced Level Oral Communication for Academic Purposes**

This course focuses on communication skills essential to academic success. Emphasis is placed on developing listening skills critical to understanding classroom lectures as well as developing the ability to present information clearly in academic presentations and classroom communication. Concepts from thematic units and outside research are critically integrated into discussions.

Prerequisite(s): Successful completion of ESL1210 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1320 Advanced Level Grammar for Academic Purposes**

This course develops students' grammar skills through contextualized exercises. Emphasis is on developing grammatical structures used in students' academic studies. Instruction begins with an overview of the verb tenses followed by use of the verb forms in various grammatical structures. Grammatical skills are reinforced in both spoken and written form.

Prerequisite(s): Successful completion of ESL1220 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1330 Advanced Level Reading for Academic Purposes**

This course prepares students for graduate academic reading and reading for research purposes. Using a variety of materials from textbooks, professional articles and journals to fiction and non-fiction books, students build comprehension skills and engage critically with the readings. Vocabulary building and application are also emphasized.

Prerequisite(s): Successful completion of ESL1230 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1340 Advanced Level Writing for Academic Purposes**

This course provides students with the skills necessary to compose, revise and edit essays, summaries and business documents, as well as to collaborate on work using a process-writing approach. Emphasis is placed on various academic rhetorical strategies including narrative, comparison/contrast, cause and effect, and/or problem/solution. Research techniques and APA documentation are utilized. Constructive feedback through peer and teacher conferencing is provided throughout the course.

Prerequisite(s): Successful completion of ESL1240 or placement exam.

Offered at Online, Providence

6 Semester Credits

## Entrepreneurship (ENTR) Courses

**ENTR2001 Introduction to Entrepreneurship**

This is an introductory course in entrepreneurship. The course demonstrates how entrepreneurs recognize business opportunities, develop ideas and identify markets. Students experiment with different methods of opportunity identification and ideation. Special focus is given to the application of design thinking to solve everyday problems. Students use this course to identify several alternative business ideas, assess their feasibility and choose the idea they wish to develop throughout their entrepreneurship studies. Students identify resources within and outside the university to help with their business development.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENTR2005 Introduction to Cannabis Entrepreneurship**

This is an introductory course in entrepreneurship with a focus on the legal cannabis industry. The course demonstrates how entrepreneurs recognize business opportunities, develop ideas and identify potential gaps within the fast growing cannabis industry. Students experiment with different methods of opportunity identification and ideation. Special focus is given to identifying niches within the evolving market and developing scalable product lines. Students use this course to identify several alternative business ideas, assess their feasibility and choose the idea they wish to develop throughout their entrepreneurship studies. Students identify and engage with resources within and outside the university to help with their business development.

Offered at Providence

3 Semester Credits

**ENTR2030 Pitching & Planning New Ventures**

This course teaches students how to develop and present a business plan to pursue the opportunities they identified in ENTR2001 or ENTR2005. Students conduct a business plan canvas to gather information and validate their ideas. Students utilize a web-based business-planning platform to help them organize and format their plans in a professional manner. Students prepare an executive summary, a 30-second elevator pitch and short presentation to "sell" their business concept to investors.

Prerequisite(s): ENTR2001 or ENTR2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3015 Small Business Management**

This course helps students put their business ideas into action by developing an operations plan and project schedule for new and existing small business owners. Classroom study focuses on the foundational aspects of running a new or existing small business, looking at operational, legal, risk management, and human resource issues throughout the start-up phase and the first few years of a business. Finance and Marketing issues are briefly addressed but will be studied in-depth in other courses. Project work focuses on drafting a project plan, and classroom learning is incorporated into the plan. Case studies that highlight the various challenges faced by new and existing small businesses are analyzed and discussed and creative problem solving is encouraged.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3025 Growth and Sustainability for Small Business**

This course covers the different methods emerging companies use to expand nationally and internationally. Emphasis is on the use of each strategy to accomplish growth and sustainability objectives and initiatives. Topics include methods for growing an emerging company, evaluating franchising systems, expansion tactics for small and large corporations, careers in emerging companies, and financing the expansion of a company. This course is relevant for any student interested in working as a change agent in an established company or starting and/or expanding his or her own company.

Prerequisite(s): ENTR2030 or ENTR3015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3030 Marketing for Entrepreneurs**

This course teaches future entrepreneurs how to market products and services effectively with limited resources. Entrepreneurs need to market to all constituents including customers, suppliers, lenders/investors and the community in which they operate. Students learn to interview potential customers, select their target market, construct basic web sites and social media pages and analyze marketing results. Special focus is placed on helping entrepreneurs build their brand.

Prerequisite(s): ENTR2030 or ENTR3015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3060 Financing New Ventures**

This course covers the financing of new business ventures. In this course students develop the financial portion of a business plan to include revenue estimates, expense projections, and an evaluation of their break-even point. Students construct professional Pro-Forma financial documents including the Income Statement, Balance Sheet, and projected cash flows. This is followed by a comparison of debt and equity financing options. Upon evaluation of the alternatives students recommend a financing plan for their business.

Prerequisite(s): ENTR2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3120 Small Business Management — Cannabis Operations**

This course helps students put their cannabis business ideas into action by developing an operations plan and project schedule for new and evolving businesses. Classroom study focuses on the foundational aspects of running a new or evolving small business, looking at operational, legal, financial risk management, and human resource issues throughout the startup phase and the first few years of a new business in an emerging industry. Cannabis industry specific issues pertaining to finance and marketing are addressed and studied in-depth. Semester project work focuses on drafting a cannabis centered business plan, and classroom learning incrementally incorporates current cannabis industry issues into the plan. Case studies that highlight the various challenges faced by new and evolving small cannabis businesses are analyzed and discussed and creative problem solving is guided by the instructor.

Prerequisite(s): ENTR2005.

Offered at Providence

3 Semester Credits

### **ENTR4010 Change and Innovation Management**

This course explores the process of change and innovation as it relates to the development and implementation of knowledge to improve organizational competencies and enhance business performance. Change, both incremental and disruptive, is related to innovation through the analysis of its effect on the organization's ecosystem to include its customers, employees, suppliers, etc. Topics include knowledge as a meaningful resource and competitive advantage; the innovation gate process; the difference between a knowledge creation organization and an information processing one; change as an instrument of innovation; and the various concepts and strategies of change to include Lewin's Three Step Theory, Lippett's Phases of Change Theory and the Disruptive Innovation Theory.

Prerequisite(s): ENTR2030 or ENTR3015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR4055 Entrepreneurship Seminar**

In this Entrepreneurship capstone course, students are required to synthesize knowledge gained from previous coursework to finalize their business plan and prepare to launch their businesses. Students finalize their business plans, prepare to pursue financing for the businesses, and either launch their business, create an MVP (Minimally Viable Product) of their business, or run a meaningful market test in this course. It is a hands-on, action-focused course that enables students to make final preparations to launch their business upon graduation.

Prerequisite(s): ENTR2030 or ENTR3015 or ENTR3050 or ENTR3060.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Equine (EQN) Courses**

### **EQN1001 Introduction to Equine Studies**

This course covers a wide range of topics important to the fundamental understanding of the horse industry. Topics include the evolution, history and development of the horse; modern breeds and their current uses in sport; and equine identification. The roles of the psychology of the horse, learning theory and equine behavior as they relate to the ethical training of the horse are explored. Students identify their personal and professional goals as they relate to careers in the equine industry.

Prerequisite(s): Corequisite: EQN1006.

Offered at Providence

3 Semester Credits

### **EQN1006 Introduction to Equine Studies Laboratory**

Introduction to Equine Studies Laboratory is a laboratory companion course coordinated with EQN1001. Students apply learning theories, how horses learn and ethical training methods to shape horse behavior and performance during an in-hand presentation. The evaluation of fundamental sport horse conformation as it relates to in-hand presentation is explored. Laboratory skills acquisition in horse management techniques include safe handling, grooming, mane and tail care, mane braiding, trimming, and body clipping for the presentation of a horse for sale or competition. Saddle fitting, blanket fitting, and selection skills are developed.

Prerequisite(s): Corequisite: EQN1001.

Offered at Providence

1 Semester Credit

### **EQN1020 Equine Anatomy and Lameness**

This course studies the conformation, anatomy and movement of the horse with emphasis on the skeletal system. Analysis of common unsoundness caused by trauma, overloading, degeneration, mechanical dysfunction, nerve dysfunction and metabolic imbalance are discussed with systematic methodology. This methodology includes discussion of pathophysiology, common symptoms, diagnostic techniques, treatment options and preventative practices.

Prerequisite(s): Corequisite: EQN1025.

Offered at Providence

3 Semester Credits



### **EQN1025 Equine Anatomy and Lameness Laboratory**

Equine Anatomy and Lameness Laboratory is a laboratory companion course coordinated with EQN1020, which introduces students to techniques and equipment used in assessing equine musculoskeletal anatomy, conformation and movement of the horse with emphasis on applied comparative anatomy of the muscles, bones and circulatory system. Skills essential to prevention, recognition and treatment of common unsoundness and blemishes are introduced and applied. Techniques covered include lameness recognition and assessment and first aid of the hoof and distal limb.

Prerequisite(s): Corequisite: EQN1020.

Offered at Providence

1 Semester Credit

### **EQN1080 Equine Management Lab**

This course develops skills in barn management including barn safety, basic horse handling and care, feeding practices, grooming, stall maintenance and waste management, taking vital signs, and restraint of horses. Managerial skills in organizing and developing horse care schedules and records are discussed and implemented. Students work at the Center for Equine Studies during this course.

Offered at Providence

1 Semester Credit

### **EQN1100 Fundamentals Of Collegiate Riding I**

This course introduces and refines the correct balance seat position and correct use of the aids. Emphasis is on strengthening the position and security of the rider and introducing the application of basic riding theory. Riding etiquette and safety are practiced. Students continue to improve control and develop style both on the flat and may do the same over fences. Students work to refine and improve ground, grooming and tacking skills. Students develop their riding technique through the introduction and application of the German Training Scale. The importance of fitness and warming up correctly is incorporated in this course. Students work to master skills on a variety of horses. This is the initial riding course for first-year students. Student proficiency determines next course placement.

Offered at Providence

1 Semester Credit

### **EQN1110 Fundamentals of Collegiate Riding II**

This course is a continuation in refining the correct balance seat position and use of the aids while learning to master skills on a variety of horses. Emphasis is on improving strength and security of the rider's position and control of the horse through the application of basic riding theory. Riding etiquette and safety are practiced. Students continue to improve control and develop style on the flat and, where applicable, over fences. Students continue to refine and improve ground, grooming and tacking skills. Students work on progressing development of their riding technique through the application of the German Training Scale. The importance of fitness and warming up correctly is extended in this course. Student proficiency determines next course placement.

Prerequisite(s): EQN1100.

Offered at Providence

1 Semester Credit

### **EQN1150 Introduction to Dressage**

This course introduces the rider to the sport of dressage, dressage terminology and theory. The rider works to show the understanding of riding the horse forward with a steady tempo into an elastic contact with independent, steady hands and a correctly balanced seat in all gaits. Lungé lessons and basic ring figures with correct geometry are used. Riding etiquette and safety as well as horse care and fitness are discussed. Students ride United States Dressage Federation (USDF) introductory-level tests to improve their accuracy and skills. Individualized goals and progress are developed and discussed with each student. Student proficiency is determined by United States Equestrian Federation or United States Dressage Federation test to determine next course placement. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN1200 Introduction to Combined Training**

This course is designed to introduce the fundamental concepts and skills needed to prepare the student for riding on the flat, basic dressage and jumping. The aim of the course is to develop a correct, balanced, supple and effective seat for dressage and jumping. Students learn the correct use of aids and exercises appropriate for the level. Focus is on the progressive development of the horse and rider to improve confidence and knowledge. Cavalletti work is used to improve the horse's rhythm, cadence and strength and to improve the rider's skills and technique. The importance of variety and versatility in the training process is analyzed. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN1300 Equitation on the Flat**

This course focuses on improving the rider's development of a correct position while beginning to understand the use of effective aids to communicate with the horse. The expectation is for the rider to cultivate a centered and balanced seat on the horse and to be able to perform common movements used to warm up, condition, and exercise the horse in preparation for higher levels of flat work and jumping. Emphasis is on improving basic riding position and skills in order to advance in equitation and riding levels. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN1310 Fundamentals of Hunter Seat Equitation**

This course introduces the rider to the fundamental concepts of riding in the hunter/equitation disciplines. Students begin to develop the correct hunt seat position and basic equitation skills according to the United Equestrian Federation rule book. Focus is on leg position, leg aids, hand position and developing a stable two-point and three-point position. Students work in walk, trot and canter with and without stirrups on the flat and over small courses 2'-2'3" on a variety of horses. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN2000 Equine Diseases**

This course develops knowledge of the common ailments of the horse. Identification of disease-producing organisms, signs of illness along with knowledge of vaccination and common disease prevention schedules prepare the student to recognize and prevent health problems. Common pharmaceuticals, emergency health care, parasitology and anthelmintic programs are studied.

Prerequisite(s): EQN2020, EQN2025.

Offered at Providence

3 Semester Credits

### **EQN2001 Foundations of Riding Theory**

This course studies the history and development of riding and classical modern riding theories. The early domestication and utilization of the horse is studied along with the development of riding theory from Xenophon through Caprilli. Modern classical riding theory is studied including the paces, dressage movements and the applications of the aids. Competition regulations for dressage and eventing are discussed.

Prerequisite(s): EQN1001, sophomore status.

Offered at Providence

3 Semester Credits

### **EQN2020 Equine Physiology and Sports Therapy**

This course investigates the scientific aspects of the horse with particular attention to the function of body systems. Topics include the respiratory, circulatory, nervous, muscular, endocrine, integument, immune and urinary systems. The scientific conditioning of the horse for sports activities is studied with emphasis on the prevention of stress and the identification and utilization of therapeutic modalities in the treatment of injuries.

Prerequisite(s): EQN1020, EQN1025, Corequisite: EQN2025.

Offered at Providence

3 Semester Credits

### **EQN2025 Equine Physiology and Sports Therapy Laboratory**

Equine Physiology and Sports Therapy Laboratory is a laboratory companion course coordinated with EQN2020, which introduces students to techniques and equipment used in assessing equine physiological body systems with emphasis on sports therapeutics of the musculoskeletal, respiratory and circulatory systems. Other skills covered include basic horse first aid and triage of common ocular, dermatological, respiratory, gastrointestinal and cardiovascular emergencies. Students work at the Center for Equine Studies during this course.

Prerequisite(s): EQN1020, EQN1025, Corequisite: EQN2020.

Offered at Providence

1 Semester Credit

### **EQN2100 Training Level Dressage**

This course is designed to confirm that the rider and horses are supple and that the rider can ride the horse freely forward in a clear and steady rhythm, accepting contact with the bit. Instruction includes refinement of the dressage seat, basic gaits and paces within the gaits. Transitions, 20-meter circles, and three- and four-loop serpentines are refined and improved. Simple changes through the trot, turn on the forehands and leg yields are introduced. The training scale is discussed and emphasis is on the logical sequencing of schooling exercises in a training program. Students work on developing an independent seat and effective aids. Students ride training level tests to improve their accuracy and skills. Student proficiency is measured by a United States Equestrian Federation or a United States Dressage Federation test to determine next course placement. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN2110 First Level Dressage**

This course is designed to confirm that the rider can achieve a greater degree of throughness and a more consistent contact with the bit. The refinement of the dressage seat, effective aids and harmony with horse are emphasized. Leg yields and 10- and 15-meter circles are refined. Trot and canter lengthenings are practiced and development of thrust and impulsion to achieve improved balance is refined. Emphasis is on the logical sequencing of movements in a training program and how it relates to the training scale. Cavaletti are used to improve rider and horse's development. Students ride first level tests to improve their accuracy and skills. Student proficiency is measured by a United States Equestrian Federation or United States Dressage Federation test to determine next course placement. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN2200 Intermediate Combined Training**

This course is designed to improve the rider's skills through work in all gaits and over fences. Students focus on basic ring figures with correct geometry. Dressage tests at the introductory-level and training level are used to improve the rider's skills and accuracy. Basic gridwork and jumping small courses of 2'0"-2'3" are utilized to improve the rider's skills. Students focus on warming up the horse correctly and developing the skills to improve the training of the rider and horse. Students continue to improve control and develop style both on the flat and over fences. Work without stirrups helps riders gain confidence and improved balance. Student proficiency is measured by a United States Equestrian Federation or a United States Dressage Federation test to determine next course placement. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN2320 Hunter Seat Equitation Novice**

This course continues to refine the techniques learned in EQN1310 Fundamentals of Hunter Seat Equitation. Students are introduced to the use of their seat aids in coordination with the leg and hand aids. Fundamental lateral movements are introduced to develop students' coordination of their aids. Emphasis is on the regulation of the horse's pace and balance on the flat and over fences. Students learn to negotiate and analyze more complex equitation courses 2'3"-2'6" and simple gymnastic lines. Jumping without stirrups is introduced. Students develop skills to demonstrate United States Equestrian Federation tests 1-8. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN3001 Methods of Riding Instruction I**

This course prepares students to teach beginner and intermediate riders. Topics of discussion include the selection of school horses, qualities of an instructor, control of the ride, rider and horse safety, and constructing lesson plans. Topics cover flat and jumping lessons. Students develop lesson plans for various levels of riders and implement these plans with practice teaching sessions at the Center for Equine Studies. The role of therapeutic riding in the equine industry is discussed. Students further develop observational and critical thinking skills by attending relevant clinics.

Prerequisite(s): EQN2001, (EQN2100 or EQN2200 or EQN2320), successfully complete Massachusetts Riding Instructor License Exam.

Offered at Providence

3 Semester Credits

### **EQN3010 Equine Reproduction and Genetics**

This course is an advanced level course in equine reproductive physiology and breeding management. Topics include the anatomy and physiology of the stallion's and mare's reproductive systems, conception, gestation, the birth process, and care of the healthy and compromised neonatal foal. Techniques in artificial insemination, semen shipment and embryo transfer are studied. Field trips enable students to observe breeding and management techniques at selected farms and specialty reproduction veterinary clinics. Genetic inheritance of coat color and abnormalities pertinent to the horse breeding industry are studied.

Offered at Providence

3 Semester Credits

### **EQN3025 Equine Nutrition**

This course studies the science and art of feeding horses. Digestive anatomy and physiology are discussed and dietary requirements of both healthy and compromised horses analyzed. Hay evaluation, types of concentrates and by-product feeds are discussed. Students produce a ration formulation project for horses with various nutrient requirements.

Prerequisite(s): EQN1001, EQN2020, EQN2025.

Offered at Providence

3 Semester Credits

### **EQN3030 Equine Competition Management and Course Design**

In this course, students participate in the management and implementation of United States Equestrian Federation horse shows. Students apply their theoretical knowledge to real-world situations by evaluating and selecting venues, developing jumping courses and proposing specific types of horse shows for selected venues. Students determine the necessary personnel and marketing requirements for a selected competition. Students evaluate their own and the class's performance in the management of a competition.

Offered at Providence

3 Semester Credits

### **EQN3040 Sport Horse Evaluation and Judging**

This course covers the relationship of form to function in the horse. Judging sport horses in hand with respect to conformation and movement is a major area of concentration. A competitive judging format is utilized to place classes of horses and provide written justifications. Performance horse judging emphasizes the basic gaits of the dressage horse and the analysis of jumping technique. Ethical business practices of horse sales are discussed.

Prerequisite(s): EQN1020, EQN1025, EQN2000, sophomore status.

Offered at Providence

3 Semester Credits



### **EQN3120 Second Level Dressage**

This course is designed to confirm that the rider can execute lateral movements, including shoulder-in, travers and renvers. Medium paces are introduced and refined. Counter canter and the beginning of collection work are introduced, and rein-back and simple changes through walk are refined. The horse should be ridden reliably on the bit and the rider should have independent aids. Advanced riding theory is discussed through textbooks and application of theory while riding. Students analyze and evaluate their horse's progression and develop a training plan. Students ride second level tests to improve their skills and accuracy. Student proficiency is measured by a United States Equestrian Federation or United States Dressage Federation test to determine next course placement. Students may repeat this course for credit.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN3130 Third Level Dressage**

This course introduces half pass and flying changes with a continuation of medium paces and extensions that are enhanced with increased engagement. Transitions within the gaits and the paces are refined. The rider should be able to ride the horse reliably on the bit and show a greater degree of straightness, bending, suppleness, thoroughness, balance and self-carriage. The rider continues to work on refining aids and seat to be fluent with the horse and become invisible with aids. The double bridle is introduced and students learn how to correctly use and ride with the double bridle. Students analyze and evaluate their horse's progression and develop a training plan. Students ride third level tests to improve their skills. Student proficiency is measured by a United States Equestrian Federation or United States Dressage Federation test to determine next course placement. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN3200 Advanced Combined Training**

This course focuses on first level movements, test riding and improving skills over 2'6" courses and gridwork. The rider's skills improve through work in all gaits and over fences. At this level, emphasis shifts to influencing the horse and training concepts. Students design a training program for the rider and horse in this course. Strength and suppleness of the rider are analyzed and addressed. Work without stirrups helps riders gain confidence and improve balance. Students work to master skills on a variety of horses on the flat and over fences. Student proficiency is measured by a United States Equestrian Federation or United States Dressage Federation test to determine next course placement. Student may repeat this course once for credit.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN3280 Introduction to Equine-Assisted Activities and Therapies**

This course introduces students to the concepts and practices of Equine-Assisted Activities and Therapies (EAAT). The history of the use of equines for therapeutic purposes is explored and current studies performed within the industry are examined. Ethics and confidentiality as well as standards for PATH International programs and instructors are discussed. Volunteering and observing classes at an accredited therapeutic riding center throughout the course provides students with firsthand experience and insight into the field of therapeutic horsemanship.

Prerequisite(s): PSYC2002.

Offered at Providence

3 Semester Credits

### **EQN3290 Application of Equine-Assisted Activities and Therapies**

This course focuses on teaching individuals with disabilities in an Equine-Assisted Activities and Therapies (EAAT) program. Students explore teaching techniques and strategies based on the content learned in Introduction to EAAT. Students create detailed lesson plans and assessment forms. The selection of therapy horses and equipment is examined and facility, volunteer, and risk management are discussed. Students gain experience by observing lessons and volunteering at an accredited therapeutic riding center throughout the course.

Prerequisite(s): EQN3280.

Offered at Providence

3 Semester Credits

### **EQN3330 Hunter Seat Equitation Intermediate**

This course continues to develop skills required to negotiate more technical equitation courses and gymnastic lines 2'6"-2'9". United States Equestrian Federation Equitation tests 1-19 are utilized to develop skills. The use of the automatic release is introduced. Emphasis is on the importance of flat work in developing better jumping. Advanced lateral work is introduced. Work is performed with and without stirrups. Students develop skills to perform United States Equestrian Federation tests 9-19. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN3350 Equine Facility Design and Operation Management**

This course covers a wide range of topics important to developing and managing an equine facility and maintaining a horse herd. Equestrian facility designs are analyzed and developed for efficient layout. Students create an operations plan based on the facility designed. The relationship between facility design, management practices, and their impact on environmental issues are explored.

Prerequisite(s): EQN1080, EQN2000, sophomore status.

Offered at Providence

3 Semester Credits

### **EQN3430 German Medal Training**

This course prepares students for the Equine International Experience. The course focuses on the German Horse Training Scale and German Rider's Training Scale. Emphasis is placed on how the rider's aids influence the horse's movements. Students ride the figures and course tracks for the German Medals Tests Level 5 and Level 4. Students may repeat this course for credit.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN4001 Methods of Riding Instruction II**

This course is a continuation of EQN3001 with concentration on more advanced topics in the art of teaching. Students participate in advanced lesson planning and practice teaching. Implementing lesson plans for group riding lessons and safely managing multiple horses and riders is explored and practiced. This course also prepares students for credentialed certification as a riding instructor and licensing as a riding instructor in Massachusetts.

Prerequisite(s): EQN3001.

Offered at Providence

3 Semester Credits

### **EQN4050 Horse Farm Management**

This course emphasizes the business aspects of managing a horse farm and includes such topics as personnel, contracts, taxes, insurance, promotion and record keeping. Horse equipment and services are discussed as they relate to management efficiency and environmental sustainability. Students also participate in an extensive individual project on the development of an equine business plan.

Prerequisite(s): EQN3350, FIT1040.

Offered at Providence

3 Semester Credits

### **EQN4087 Equine International Experience**

This course is designed to allow students to pursue advanced work in the equestrian discipline in an international setting. Students study at a selected host equestrian center in Germany to develop their riding skills using the German Training System. Students develop skills in dressage, stadium jumping, cross-country jumping and training techniques depending on the specialty of the host site. Currently, students have studied at the German Riding School in Warendorf, Germany and the Westphalian Riding School in Münster, Germany. Students studying in Münster are eligible to take medal examinations upon completion of their studies. Students also visit training farms and observe Olympic-level riders and trainers. Site visits to other equestrian venues may include CDI and CSI shows, stallion parades, auctions and breeding farms. Students should be riding at first-level dressage prior to application to this program. This course may be repeated once for credit.

Prerequisite(s): EQN3430.

Offered at Providence

3 Semester Credits

### **EQN4088 Equine International Experience**

This course is designed to allow students to pursue advanced work in the equestrian discipline in an international setting. Students study at a selected host equestrian center in Germany to develop their riding skills using the world-renowned German Training System. Students develop skills in dressage, stadium jumping, cross-country jumping and training techniques depending on the specialty of the host site. Currently, students have studied at the German Riding School in Warendorf, Germany and the Westphalian Riding School in Munster, Germany. Students studying in Munster are eligible to take the riding examinations upon completion of their studies. Students also visit training farms and observe Olympic-level riders and trainers. Site visits to other equestrian venues may include CDI and CSI shows, stallion parades, auctions and breeding farms. Students must be riding at first-level dressage prior to application to this program and be in good academic standing. This course may be repeated once for credit.

Prerequisite(s): EQN3430.

Offered at Providence

6 Semester Credits

### **EQN4115 Special Topics in Equine Studies I**

This course is designed to allow students to pursue advanced work in specialized equine studies topics, such as advanced teaching techniques, and advanced stable management strategies. The course may be a practical application of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Offered at Charlotte, Providence

1 Semester Credit

### **EQN4140 Fourth Level and FEI Dressage**

This course is for the advanced dressage rider who has had extensive experience in dressage training and competition. Students perform movements with greater engagement, straightness, energy and cadence. The horse remains reliably on the bit, showing a clear uphill balance and lightness as a result of improved engagement and collection. Lateral movements, half pass, turn on the haunches, flying changes, tempi changes, rein backs and schooling pirouettes are ridden and refined. The correct dressage seat and lightness of aids is emphasized. The importance of impulsion and straightness to prepare the horse for collection is emphasized during training sessions. The snaffle and double bridle are used. Student proficiency is measured by a United States Equestrian Federation or a United States Dressage Federation test to determine next course placement. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN4145 Special Topics in Equine Studies II**

This course is designed to allow students to pursue advanced work in specialized equine studies topics; examples of potential topics: Advanced Teaching Techniques, Veterinary Techniques, and Advanced Stable Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Prerequisite(s): Permission of department chair.

Offered at Providence

3 Semester Credits

### **EQN4215 Special Topics in Equine Studies III**

This course is designed to allow students to pursue advanced work in specialized equine studies topics; examples of potential topics: Advanced Teaching Techniques, Veterinary Techniques, and Advanced Stable Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Prerequisite(s): Permission of department chair.

Offered at Providence

1 Semester Credit

### **EQN4340 Hunter Seat Equitation Open**

In this course, students refine the skills required to negotiate advanced equitation courses 2'9"-3'. Students develop fundamental training programs to help school green or re-school older horses for use in the equitation division. Advanced lateral work is utilized to improve the horse's balance and readability. Students may repeat this course for credit once.

Prerequisite(s): Permission of instructor.

Offered at Providence

1 Semester Credit

### **EQN4900 Management and Demonstration of Skills Capstone**

This course is designed to be a cumulative assessment of management and horsemanship theory and skills necessary for a professional in the equine industry. Students demonstrate skills for daily care of horses and determine courses of action for case scenarios. A portfolio is produced that encompasses the requisite theoretical and practical skills necessary for work in the equine industry.

Prerequisite(s): EQN2000, EQN3025.

Offered at Providence

1 Semester Credit

## **Event (EVNT) Courses**

### **EVNT1001 Introduction to Event Management**

This course introduces students to the event management field. The historical development and organizational structure of the event industry are discussed. Focus is on acquiring knowledge pertaining to the breadth and depth of the event industry including social life cycle events, corporate, private and nonprofit. The course is also designed to provide first-year and transfer students in the Event Management program educational experiences and information about university resources and academic tools available to them that will help support academic success at JWU.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **EVNT2020 The Business of Event Management**

This course introduces students to the methods utilized in researching, planning, organizing and delivering sustainable major events. The roles of global events in sub-fields such as sports, tourism, entertainment, celebrations, civic and hallmark events are also explored.

Prerequisite(s): BUS1001 or EVNT1001 or FSM1001 or FSM3001 or HOSP1001 or MGMT1001 or SEE1001 or SPM1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **EVNT2210 Event Technology & Access Management**

This course investigates the new and emerging trends in event technology and access management. Students explore the event technology that helps planners complete tasks pertaining to their work as event organizers. Types of event technology include, but are not limited to, event management software, mobile event apps, credentialing, ticketing software and event analytics. The role technology plays in event access management to provide the attendees with a safe and secured event is also explored.

Prerequisite(s): EVNT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **EVNT3005 The Business of Meeting Management**

Meeting management is a significant branch of the event industry. This course investigates the importance of researching, planning, promoting, executing and evaluating for-profit and nonprofit meetings and conventions. This course examines the necessary business, content development, budgeting, contracts, marketing, public relations, transportation, and management skills needed to produce effective events within the meeting industry. Students explore the process of obtaining, building and retaining internal and external stakeholders necessary to meeting overall company goals and objectives. Additionally, the course examines the future of meetings and career opportunities.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **EVNT3030 Fairs and Festivals**

Fairs and festivals are significant recurring hallmark community events that become synonymous with a destination. Fairs and festivals represent tradition, image and attractiveness to a town, city or region. This course investigates the importance of fairs and festivals to local culture and arts, economic development, sociocultural and environmental outcomes and stakeholder relationships. This course examines the unique event planning aspects to meet stakeholder and community goals in the global marketplace. Additionally the course examines future trends in the fair and festival industry.

Prerequisite(s): Sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **EVNT3050 Global Mega Events**

This course explores the lure of hosting mega events and examines the bidding process, the involvement of governing bodies, and the plan for legacy and leveraging of the host nation. Students are exposed to the political, economic, sociocultural and environmental impact associated with hosting a large-scale event. Events such as the Olympic Games, the World Cups, World Expos, bicentennials, global music festivals, concerts and other civic and hallmark events are analyzed. The culmination of the course is a trip to an international destination where students engage with key stakeholders from the host nation.

Prerequisite(s): Sophomore status.  
Offered at Charlotte, Providence  
3 Semester Credits

### **EVNT3220 Sales and Business Development**

This course examines the sales strategies used to leverage relationships and satisfy the needs of the consumer in the event management industry. Emphasis is placed on the integration of relationship-centric best practices in the design of an event in the areas of human resources, supply chain and client needs. Additionally, the importance of developing an internal culture of business development and relationships are explored.

Prerequisite(s): Sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **EVNT4025 Event Sustainability**

This course examines sustainability issues and standards as they relate to the events industry. Students analyze current environmental, social and economic practices within the events industry. Students design effective sustainability plans to integrate into a public or private event. Students develop impactful sustainable practices and analyze the proposed solutions within the various segments of the event industry. Corporate social responsibility and the impact of sustainability on international events are discussed.

Prerequisite(s): Sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **EVNT4110 Advanced Special Event Management**

This advanced course is designed to explore the complex area of event management. This class analyzes large scale events and their impact on a global media audience. The course provides students with a basis for using research as a tool to organize and plan a special events project. This class works toward the understanding of practicing and executing the elements of successful project management and logistics. This is a project-based course and requires the execution of a successful event.

Prerequisite(s): EVNT2020 or SEE2020, junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **EVNT4250 Contemporary Issues in Event Management**

This course examines the operational and strategic issues in the event management industry through directed case studies, round-table discussions and industry-related readings. Students critically evaluate case studies exploring topics related to event management in areas of event strategy, financial management, event operations, stakeholder development, event design, marketing, and other event topics.

Prerequisite(s): Junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

## **Exercise and Sports Science (ESS) Courses**

### **ESS2010 Kinesiology**

This course provides an introduction to the structure and function of the human body. It is designed to be a first course for exercise and sports science majors and to provide a foundation for more advanced courses. Topics include the neuromusculoskeletal, cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This course emphasizes the study of human posture and movement, specifically focusing upon the musculoskeletal system and dynamics of stability and mobility.

Prerequisite(s): Corequisite: ESS2015.  
Offered at Providence  
3 Semester Credits

### **ESS2015 Kinesiology Laboratory**

This is a laboratory companion course coordinated with Kinesiology (ESS2010) that introduces students to techniques and equipment used in kinesiology. Students take an inquiry-based, self-guided learning approach to the discovery of the structure and function of the human body with emphasis on the neuromusculoskeletal, cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This lab emphasizes the study of human posture and movement, specifically focusing upon the musculoskeletal system and dynamics of stability and mobility. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): Corequisite: ESS2010.  
Offered at Providence  
1 Semester Credit

### **ESS2320 Exercise Physiology**

This course examines the human body's physiological response to acute physical activity and its adaptations to chronic exercise training. The course addresses how major body systems, including nervous, endocrine, cardiovascular, respiratory, skeletal and muscular, function in cooperation with energy production to support physical activity and exercise. Also included is the role of exercise in maintaining a healthy body composition and weight, and how physical activity and exercise act to improve physical fitness and overall health and wellness over the long term.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.  
Offered at Providence  
3 Semester Credits

### **ESS3010 Exercise Assessment and Prescription**

This lecture and accompanying laboratory course introduces the concepts of health screening and various types of exercise and fitness assessments needed to implement short- and long-term fitness programs for healthy populations. Many of the concepts and topics in this course help to prepare students to take the American College of Sports Medicine (ACSM)'s Certified Exercise Physiologist (EP-C) Exam, but this is NOT considered to be a preparation class for that exam.

Prerequisite(s): ESS2010, ESS2015, ESS2320, Corequisite: ESS3015.  
Offered at Providence  
3 Semester Credits

### **ESS3015 Exercise Assessment and Prescription Laboratory**

This is a laboratory companion course coordinated with ESS3010 Exercise Assessment and Prescription. Students conduct and interpret clinical and field assessments in the areas of health screening, body composition, cardiorespiratory fitness, muscular fitness and flexibility. Students in the class serve as subjects for other class members in order to facilitate learning.

Prerequisite(s): ESS2010, ESS2015, ESS2320, Corequisite: ESS3010.  
Offered at Providence  
1 Semester Credit

**ESS4010 Human Performance**

This course and its accompanying laboratory component explore the theory and practice of human performance. The course is designed to provide a comprehensive overview of the principles of human performance. Emphasis is placed on the human body's reaction to advanced training methods, exercise technique, program design, and testing and evaluation. Students also explore the principles of supervising a safe training environment according to National Strength & Conditioning Association (NSCA) guidelines. Many of the concepts and topics covered in this course help to prepare students to take the NSCA's Certified Strength & Conditioning Specialist (CSCS) exam, but this is NOT considered to be a preparation class for that exam.

Prerequisite(s): DIET2020, ESS3010, ESS3015, Corequisite: ESS4015.

Offered at Providence

3 Semester Credits

**ESS4015 Human Performance Laboratory**

This is a laboratory companion course coordinated with ESS4010 Human Performance. Students learn and practice techniques and coaching instruction for resistance training, plyometric, speed mechanics, aerobic and nontraditional exercises for human performance. Students conduct and interpret various methods to analyze sport performance, including timing gates, video analysis, and the use of GPS technology. Students in the class serve as subjects for other class members in order to facilitate learning. Students also explore the principles of supervising a safe training environment according to National Strength & Conditioning Association (NSCA) guidelines. Many of the concepts and topics covered in this course help to prepare students to take the NSCA's Certified Strength & Conditioning Specialist (CSCS) exam, but this is NOT considered to be a preparation class for that exam.

Prerequisite(s): DIET2020, ESS3010, ESS3015, Corequisite: ESS4010.

Offered at Providence

1 Semester Credit

**ESS4030 Exercise for Special Populations**

This course builds on the skills learned in Exercise Assessment and Prescription and extends those skills to meet the needs of populations across the lifespan and individuals with controlled cardiovascular, pulmonary, metabolic and other disorders. This course provides practical information on exercise for persons with a wide range of special diseases and disabilities. An overview of each unique condition, effects of the condition on the exercise response, effects of exercise training on the condition, and recommendations for exercise testing and programming are presented in a selected topics format.

Prerequisite(s): ESS3010, ESS3015.

Offered at Providence

3 Semester Credits

## Finance (FISV) Courses

**FISV2000 Finance**

This course is an introduction to the fundamental principles of finance, with a focus on financial statement analysis and decision making. The course encourages active learning through cases, class discussion and problem-solving. Students use traditional financial statements as well as managerial financial reports for use in learning essential decision-making processes. Major topics include financial statement analysis, fundamentals of risk and return, time value of money, various budgeting models, and alternative forms of financing. Excel and other decision support tools are used extensively throughout this course.

Prerequisite(s): ACCT1210, FIT1040 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV2140 Financial Markets and Institutions**

The purpose of this course is to provide the student with knowledge of a broad range of topics related to financial markets, capital markets, the nature and functions of money and credit, the role of monetary policy, and the role and functions of financial institutions. This course emphasizes the factors and key ratios in analyzing financial institutions, including the CAMELS approach. Types and functions of markets and institutions of today are discussed, along with their differences. Money creation, the demand for money and the relation of money to inflation and financial flows, the role and functions of financial institutions, and consumer financing and business capitalization are each examined. This course emphasizes the changing role of competitive financial institutions, the effects of these changes on the flow of funds, and the Federal Reserve System's monetary policy implementation to regulate and control money and financial institutions. Real-world examples are used to focus student learning to applications of theory and consequential economic impacts both nationally and internationally.

Prerequisite(s): ECON1001, FISV2000.

Offered at Online, Providence

3 Semester Credits

**FISV3001 Investments**

This course introduces students to investing and financial planning. Topics include the nature of capital markets and the roles that investment companies play between the investor and the corporation. Different asset classes, including equities and bonds, are covered. The role of the financial planning process, taxes and regulations are also considered.

Prerequisite(s): FISV2000.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3005 International Finance**

This course provides students with an overview of international banking and finance. Topics include the international dimensions of finance, foreign exchange rates, international sources of funds, international banking regulations, and the contrasts between European, Asian and American banking.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3010 Credit Risk Analysis and Management**

This course examines the role of credit and analyzes its impact on the economic and social environments. Both consumer credit and business credit are studied in-depth, with emphasis placed on sources and uses of credit, credit reporting and credit analysis.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3015 Fundamentals of Financial Planning**

This course introduces students to the financial planning process, client/planner interactions and personal financial statements development and assessment. Topics include cash flow and debt management, education planning, planning elements of risk management, investment planning and retirement planning. This course is specifically of interest to those students who wish to pursue careers as financial planners.

Prerequisite(s): ACCT1210.

Offered at Online, Providence

3 Semester Credits

**FISV3080 Financial Statement Analysis**

This course includes the analysis and interpretation of external financial statements for various business entities as seen through the eyes of professional investors and creditors. The course explores various analytical techniques including comparative financial statement, trend and ratio analyses.

Prerequisite(s): ACCT2022 or ACCT2210, FISV2000.

Offered at Charlotte, Online, Providence

3 Semester Credits



### **FISV3199 Experiential Education Projects in Financial Modeling and Valuation**

This course provides students with the skills and knowledge required to be successful in today's fast-paced and highly regulated financial environment. In this course, students develop a comprehensive three-statement financial and valuation model using various supporting schedules. Students complete advanced Excel, financial modeling and valuation training. Students develop leadership and collaborative abilities and refine critical thinking, problem-solving and active citizenship skills. The course culminates in a formal presentation. This course uses experiential learning as a primary method of achieving the course objectives.

Prerequisite(s): (ACCT2022 or ACCT2210), FISV2000, junior status.

Offered at Online, Providence

3 Semester Credits

### **FISV4010 Bank Management**

This course examines the banking industry from the perspective of both a bank customer and a bank manager. Focus is on policies developed and procedures used to make decisions on providing loans to businesses and consumers. Additional topics addressed include risk management, interstate banking, technological advancements and the regulatory environment.

Prerequisite(s): FISV2012 or FISV3005 or FISV3040.

Offered at Providence

3 Semester Credits

### **FISV4015 Fundamentals of Estate Planning**

This course focuses on the efficient conservation and transfer of wealth, consistent with the client's goals. It is a study of the legal, tax, financial and non-financial aspects of this process, covering topics such as trusts, wills, probate, advanced directives, charitable giving, wealth transfers and related taxes.

Prerequisite(s): FISV3015.

Offered at Online, Providence

3 Semester Credits

### **FISV4020 Risk Management and Insurance**

This course provides an understanding of the procedures and concepts of risk management as a precedent to the study of insurance, which is an important tool in risk management. The balanced treatment of both risk management and insurance provides a broad introduction to the field. Students learn risk identification, analysis, measurement, control and financing, and study insurance markets, functions, coverage and benefits.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FISV4025 Corporate Finance**

This course expands on previous finance courses by introducing more advanced topics, including capital structure, working capital management, capital budgeting and forecasting. Additional topics include operating and financial leverage, working capital management, capital budgeting, leasing and long-term financing.

Prerequisite(s): ACCT2022 or ACCT2210, FISV2000.

Offered at Online, Providence

3 Semester Credits

### **FISV4030 Real Estate**

This course is designed for students seeking a clear presentation of the numerous investment decisions involved in real estate. Topics include how to lease, buy, sell or mortgage a property; how to analyze and predict the forces in the market and determine real estate values; whether and when to renovate, rehabilitate or demolish; and when and how to divest of property.

Prerequisite(s): FISV2000.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FISV4040 Futures and Options**

This course includes a thorough foundation of options, futures, swaps, and other derivative securities. Topics include theoretical and normative pricing methods as well as the use of derivatives in portfolio and corporate risk management.

Prerequisite(s): FISV3001, MATH2001.

Offered at Providence

3 Semester Credits

### **FISV4050 Portfolio Management and Analysis**

This course includes a thorough foundation in the process of portfolio management, from individual security evaluation to broad asset allocation decision making. Topics covered include the portfolio management process including asset allocation, benchmarking, evaluation and reporting, as well as the manner in which trading takes place. An analysis of alternative assets is also explored including real estate, investment companies, private equity and venture capital, hedge funds, closely-held securities, distressed securities, tangible assets, commodities and derivatives.

Prerequisite(s): FISV3001, MATH2001.

Offered at Providence

3 Semester Credits

### **FISV4060 Fixed Income Analysis**

This course includes the analysis of fixed income securities and all securities whose valuation and hedging are related to interest rates. Topics include the bond market and its various instruments including U.S. treasuries, corporate bonds, mortgage-backed securities and emerging market bonds. The course also covers bond portfolio management techniques such as interest rate forecasting, yield curve anticipation and security selection. This course is appropriate for students interested in financial analyst careers.

Prerequisite(s): FISV3001.

Offered at Providence

3 Semester Credits

### **FISV4080 Finance Seminar**

This course gives students the opportunity to analyze and report on contemporary issues in finance using knowledge obtained through previous finance and related course work. Case work and simulation software is used extensively throughout the course to allow students to incorporate various financial concepts and techniques in making financial decisions.

Prerequisite(s): ACCT2022 or ACCT2210, FISV3001, (FISV2140 or FISV3040 or FISV3140), FISV4025, senior status.

Offered at Online, Providence

3 Semester Credits

### **FISV4120 Investment Banking**

This course introduces students to investment banking services and practices and provides the many Excel-based valuation model skills and knowledge required by first-year investment banking analysts. Topics include the history of investment banking, the services and activity of investment banking in raising equity and debt in Capital Markets, Advisory of M&A, Restructuring and LBOs, and Asset Management trading and brokerage services. This course is specifically of interest for students seeking a career in Investment Banking, Equity Research, or Private Equity.

Prerequisite(s): FISV3001.

Offered at Providence

3 Semester Credits

### **FISV5000 Corporate Financial Accounting**

This course is designed for graduate students who do not have an undergraduate degree in business. It provides instruction in financial and managerial accounting principles; business entities; the accounting equation; preparation of financial statements using the adjusted trial balance; horizontal, vertical and common-sized financial statements analysis; financial ratios analysis; cash budgeting; the examination of cost behavior; and break-even analysis. The primary objective of this course is to prepare the graduate student for advanced coverage of topics in the financial management course.

Offered at Online, Providence

3 Semester Credits

### **FISV5410 Personal Financial Planning**

This course introduces students to comprehensive personal financial planning, which is the process of designing, implementing and monitoring financial decisions that help an individual or family accomplish their financial objectives.

Offered at Online, Providence

3 Semester Credits

**FISV5420 Estate Planning**

This course focuses on the efficient conservation and transfer of wealth, consistent with the client's goals. It is a study of the legal, tax, financial and non-financial aspects of this process, covering topics such as trusts, wills, probate, advanced directives, charitable giving, wealth transfers and related taxes. The course explores the taxation of gifts, estates and generation skipping transfers, and includes the calculation of the gift tax, estate tax and generation skipping transfer tax in consideration of applicable exclusions and deductions. Students are exposed to estate planning techniques such as lifetime transfers and gifting, charitable gifting, the utilization of trusts and partnerships, and postmortem planning. The course emphasizes solving a client's estate planning problems by providing students with the tools to develop practical strategies that focus on a client's goals and objectives and apply current tax law to develop an effective estate plan.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV5430 Principles of Risk and Insurance**

This course explores the financial risks that individuals and businesses face and how they can manage these risks, including the utilization of insurance solutions. Students are exposed to the purpose, structure and coverage options of the following types of insurance: health, disability, long-term care, life, property and casualty, and more. This course also reviews the taxation of insurance benefits and how taxation should affect a financial planner's decision to recommend insurance solutions under certain circumstances. After completing the course, students are able to determine a client's risk exposure and develop a comprehensive insurance and risk management plan for the client based on the client's goals and objectives.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV5440 Retirement Planning**

This course explores the nature and function of retirement plans and surveys the more common employee benefits presently offered by companies. The course outlines the various retirement plans available, including government and private plans, pension plans, individual retirement accounts, and other qualified and non-qualified retirement plans. Students learn to determine a client's eligibility to participate in a retirement plan, calculate a client's tax deductible contribution limits, and calculate the taxation of retirement plan benefits upon distribution. The course includes a complete needs analysis to determine a client's expected monetary needs and the associated cash flow required in a client's retirement years. Students recommend an appropriate plan of action including retirement plan options that achieve the client's goals and objectives and complement the client's comprehensive financial plan.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV5600 Financial Management**

This course provides the student with sufficient analytical skills to interpret and act upon financial data and information that lead to sound financial decisions for business organizations. Topics include the time value of money, capital budgeting methods, financial statement analysis, breakeven analysis, short and long term financing methods, and topics in international financial management. Contemporary financial management techniques are discussed throughout the course.

Prerequisite(s): EMGT5020 or FISV5000.

Offered at Online, Providence

3 Semester Credits

**FISV5720 Financial Reporting and Control**

This course offers students a practical approach to understanding financial reporting. Students learn the requirements of generally accepted accounting principles in financial statement preparations by researching and analyzing publicly traded companies. Emphasis is placed on how the financial statements translate into stock prices and how they can be used as a barometer of a company's financial position. Students explore how companies in trouble can benefit from implanted controls, via the financial reporting process, to ensure earlier and better insight in making difficult decisions.

Prerequisite(s): FISV5600.

Offered at Online, Providence

3 Semester Credits

**FISV6050 Strategic Financial Planning**

This course offers students a practical approach to understanding the budgeting process. Students are exposed to the complete cycle of budgeting, from understanding the strategic plan that initiates the budget process to auditing the results. Students see the interrelating components of the operational budget to the capital budget and how these build to the cash flow budget. Students are able to translate the cash flow necessary to support the strategic plan to financing requirements that need to be met by banking or other sources. Students apply research techniques in coordinating a comprehensive strategic plan with a particular industry.

Prerequisite(s): EMGT5020 or FISV5526 or FISV5720.

Offered at Online, Providence

3 Semester Credits

**FISV6056 Fundamentals of Investment and Portfolio Management**

This course introduces student to the fundamentals of investment and portfolio management. It focuses the student's attention on the impact that asset diversification has on expected portfolio outcomes. Students should complete the course with a thorough understanding of most investment vehicles and how they can be used in varying weights to influence the short and long-term returns of an investment portfolio. Students apply the basic tenets of FISV5600 by applying ratio analysis in the course of investment decision-making. Upon completion of the course, students are better prepared to make prudent investment decisions in both their professional careers as well as their own personal financial planning.

Prerequisite(s): FISV5600.

Offered at Online, Providence

3 Semester Credits

**FISV6410 Equity Analysis**

This course covers several valuation techniques used in equity investment analysis. Equity (i.e., stocks) typically comprises the largest asset class in a majority of individual and institutional portfolios. Topics include the various types of analytical tools used to value equity securities, along with their respective strengths and weaknesses. In addition, students gain perspective on when to choose the best technique as well as private company valuation methodologies. This course is appropriate for students interested in becoming a portfolio manager or investment analyst on the institutional or consumer side of the financial services industry.

Prerequisite(s): FISV6056.

Offered at Online, Providence

3 Semester Credits

**FISV6420 Bond Market Analysis**

This course covers the bond market as well as other fixed income securities. Bonds are a pivotal asset class in institutional and individual investing. Topics include the various types of fixed income securities, including government debt, corporate debt, and securitized debt such as mortgage-backed securities and international bonds. The course covers various valuation and portfolio management methodologies. This course is appropriate for students interested in becoming a portfolio manager or investment analyst on the institutional or consumer side of the financial services industry.

Prerequisite(s): FISV6056.

Offered at Online, Providence

3 Semester Credits

**FISV6430 Applied Behavioral Finance**

This course is an applied behavioral finance course examining the intersection of behavioral finance, financial therapy, and personal financial planning theory, practice and research. It reviews the research on behavioral finance and investor psychology, exploring the effects of human emotions and cognitive errors on financial decisions. This course focuses on the application of behavioral finance theory and research to the practice of financial therapy to help professionals improve the financial health of their clients.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits



### **FISV6440 Alternative Investments**

This course reviews several types of alternative investments including hedge funds, private equity, real estate, managed futures, commodities and structured products. Topics include risk management, valuation methodologies, portfolio management and professional standards and ethics in the alternative investments industry. This course is appropriate for students interested in becoming a portfolio manager or investment analyst.

Prerequisite(s): FISV6056.

Offered at Online, Providence

3 Semester Credits

### **FISV6450 Derivatives and Risk Management**

This course reviews various types of derivatives such as options, forward contracts, futures contracts and swaps. Topics include the use of derivatives as risk management tools on an investment institutional level as well as the analysis of various derivative pricing models.

Prerequisite(s): FISV6056.

Offered at Online, Providence

3 Semester Credits

### **FISV6490 Institutional Portfolio Management**

This course presents the ways investment management firms build and manage portfolios for their clients. The process of portfolio management is studied in detail, from the nuances of individual security selection to asset allocation decisions made across a broad range of investment choices. Specific topics include asset allocation, benchmarking, trading and regulatory reporting.

Prerequisite(s): FISV6056.

Offered at Online, Providence

3 Semester Credits

## First-Year Seminar (FYS) Courses

### **FYS1010 First-Year Seminar - University Explorations**

The course encourages first-year college students to strengthen the connection between self-exploration, active classroom engagement, and understanding larger educational and global communities. This explorations seminar also encourages and allows students to identify their natural talents and skills while focusing on academic goals and potential career aspirations. Students connect with the educational and campus community through academic and co-curricular pursuits. By gaining these experiences, students enhance their intellectual and emotional growth. Finally, students are guided to institutional resources that are targeted to maximize both academic and personal growth.

Offered at Providence

1 Semester Credit

### **FYS1020 First-Year Seminar**

This course encourages all first-year students to strengthen the connection between self-exploration and the transition to college while actively participating in the classroom and engaging with the larger JWU community. Identifying and developing their natural talents and skills helps students launch their undergraduate experience. Strategies to enhance personal health and wellness practices are presented so students can become engaged with the diverse and inclusive population at JWU. Students connect with the academic and campus community as they learn about institutional resources and self-select from a variety of co-curricular activities that reinforce course content.

Offered at Charlotte, Providence

1 Semester Credit

## Food Safety (FOOD) Courses

### **FOOD5030 Shaping the Future of Food**

This project-based course provides students with the opportunity to explore the local food system from the unique perspective of a chef. Students meet local food producers, sample products, and investigate systemic issues related to the long-term viability of local food systems. Students analyze the impact chefs have within the food web and begin to research approaches to creating local, sustainable and more regenerative food systems.

Offered at Providence

3 Semester Credits

### **FOOD6030 Food Innovation & Technology Capstone**

This project-based course provides students with the opportunity to research a systemic food system issue encompassing either social, political, industrial or environmental constructs. Students employ a global thinking theoretical lens to their applied research that allows for an epistemological framework that encompasses inquiry, understanding of multiple perspectives, respectful dialogue and responsible action.

Prerequisite(s): FOOD5030, IDES5030.

Offered at Providence

3 Semester Credits

## Food Service Management (FSM) Courses

### **FSM1001 Introduction to the Food & Beverage Industry**

This introductory course examines career opportunities, organizational structures, history, and front- and back-of-the-house operations in the food service industry. Specific segments are also examined in commercial, industrial and institutional areas of food service.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM1165 The Food Safety Manager**

Students explore food safety and environmental sanitation through the lens of the person in charge, identify the origins of food contamination and recognize proper food safety practices used to keep food safe during the flow of food from vendor to consumer. Students must pass an American National Standards Institute (ANSI) accredited, national food safety manager certification examination that is recognized by the Conference for Food Protection.

Offered at Charlotte, Providence

1 Semester Credit

### **FSM2007 Food and Beverage Technology & Application Systems**

This course prepares students for the understanding of current applications and trends in technology that are impacting the food and beverage industry. Emphasis is placed on emerging technologies used in the industry from both a managerial and an analytical perspective.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM2010 Medical Food Service**

This course introduces students to the principles of food service management in healthcare organizations. The food service manager's involvement in patient care and related areas of healthcare organizations is examined.

Offered at Online, Providence

3 Semester Credits

### **FSM2025 Food and Beverage Cost Control**

Food and Beverage Cost Control is an introductory course designed to acquaint the student with the control problems of the food and beverage industry. Emphasis is placed on profit planning through menu planning, the control cycle and forecasting.

Prerequisite(s): MATH0010 (or concurrent) or math placement, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM2033 Food Service in Hospitality and Tourism**

This course introduces the principles of how food and beverage operations interact with other departments found in hospitality and tourism properties. Managerial concepts include industry regulations, financial and operational controls, and matching foodservice venues and menus to targeted customer markets.

Prerequisite(s): HOSP1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2045 Introduction to Menu Planning and Cost Controls**

This course allows students the opportunity to evaluate sales menus and apply the skills relevant to the development and design of the sales menu in a food service operation, while also learning the importance and use of the proper tools and documents needed to control food and beverage costs and analyze sales. Additionally, the course introduces a practical approach to managerial accounting through the exploration of labor and overhead expenses, as well as an introduction to the income statement as a method of evaluating a business's success.

Prerequisite(s): MATH0010 (or concurrent) or math placement, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2055 Beverage Appreciation**

This intermediate course refines the student's knowledge of beverages served in a variety of hospitality operations. Emphasis is on beverage sensory perception and food pairings. Students develop and analyze strategies to effectively manage, market and set standards for beverage operations. Both alcoholic and non-alcoholic beverages are examined.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2080 Food Service Operations**

This intermediate course is designed to complete the student's foundation in purchasing as well as food and beverage operational controls. Emphasis is on mastering the purchasing cycle functions and back-of-the-house menu management systems and operations. Students also develop income statements using current technology and utilize spreadsheet applications to analyze food and beverage operations. Students have the opportunity to achieve two industry-recognized certifications.

Prerequisite(s): ACCT1210 or ACCT2150 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

**FSM2110 Food and Beverage Operations in the Sports, Entertainment and Event Management Industry**

This course introduces students to the management of different areas of food and beverage operations within the sports, entertainment and event industry. Emphasis is on food product and preparation types, beverage types, food and beverage delivery systems, costing and pricing strategies, and food and beverage pairings as they apply to the different divisions of the industry. Students obtain approved Food Safety Handler and Food Allergy certifications.

Offered at Charlotte, Providence

3 Semester Credits

**FSM2130 The Businesses of Non-Commercial Foodservice**

This course examines the non-commercial segment of the foodservice industry from the unit manager, client, guest and employment perspectives. Students explore how the operational cycle of control and the use of technologies are applied in a wide variety of businesses. The principal companies and the available career paths in the segment are discussed.

Offered at Providence

3 Semester Credits

**FSM2180 Hotel Food and Beverage Operations Control**

This course introduces students to the roles and standard operating procedures used for food and beverage operations in lodging settings. Emphasis is placed on food preparation techniques, basic purchasing procedures, kitchen and dining equipment, product identification and guest service styles and standards used in various lodging operations. Additionally methods used by hotel managers to increase food and beverage operational profits through maximizing revenues and controlling costs are explored. Students utilize spreadsheet applications in developing and analyzing operational income statements.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2210 Operational Management in Healthcare**

This course introduces students to the responsibilities of a food service operations manager within healthcare organizations and other adjacent career paths. Through the examination of financial and human resource management principles, as well as organizational structure and governance, the student will be able to demonstrate and apply the functions expected of an operations manager.

Prerequisite(s): FSM2045.

Offered at Charlotte, Providence

3 Semester Credits

**FSM3012 Advanced Menu Analysis**

This course focuses on researching current market trends and discovering their impact on commercial food service operations. Students analyze the effectiveness of current menu designs to specific operational data. Students also apply basic menu design techniques to enhance classroom assignments.

Prerequisite(s): FSM2080 or FSM3001 or SEE3008.

Offered at Charlotte, Providence

3 Semester Credits

**FSM3035 Supervision for Food Service Professionals**

This course is designed to allow students the opportunity to learn and explore human resource management theory and procedures as they apply to the food service industry. Students learn proper procedures to hire, train, motivate and discipline employees, as well as to perform employee appraisals. Current human resource management issues and labor legislation law are discussed as they apply to preparing future chefs and managers for successful leadership roles in the food service industry.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3040 Food Service Financial Systems**

This course allows students the opportunity to learn and experience an in-depth analysis of financial information within the food service industry. Emphasis is placed on exploration of accounting, sales, purchasing, inventory and budgetary systems. The course offers an overall view of financial management and its related areas through manual applications and the use of computers in the food service industry. Students recognize business problems, provide viable solutions and evaluate the effect of those solutions.

Prerequisite(s): FSM2025 or FSM2045.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3060 Front of the House Operations Management**

This intermediate course focuses on the comprehensive study of dining service management within the food and beverage industry. Emphasis is placed on service theory and delivery, current technology and its application, customer feedback and process improvement, human resource development and training, staffing, physical space and layout, marketing, and fiscal accountability. Students have the opportunity to obtain industry-specific certification.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3075 Food Service and Hospitality Strategic Marketing**

This upper-level course provides students with a broad scope of food service and hospitality marketing. Emphasis is on the analysis, structure and strategy of food service and hospitality marketing; departmental budgeting; allocation of resources; market research; media selection; and effectiveness of the marketing plan. Case studies and assigned readings examine current marketing issues. A directed work project may be incorporated into this course.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3080 Food & Beverage Marketing and Distribution**

This course introduces students to the many facets of food marketing in commercial applications. Students explore the various segments of the food and beverage marketing industry, including marketing for food and beverage manufacturing and distribution companies. Special emphasis is placed on the integration of food service and marketing competencies.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM3111 Catering: Sales and Operations Management**

Catering companies provide food and beverage services for clients who are hosting events, such as weddings, Bar/Bat Mitzvahs, anniversaries, graduations, rehearsal dinners and organization meetings. Catering managers meet with clients to plan events and are responsible for menu development, cooking and serving food in a variety of locations. This upper-level course examines the unique aspects of planning and executing various catered events for both on-premise and for off-premise locations. Students explore the managerial and entrepreneurial aspects of developing a business model, building and maintaining a client base, operating and analyzing financial performance, and applying food and beverage management operational best practices.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

### **FSM3175 Advanced Food Safety, HACCP and Special Processes**

This course provides students with advanced training in food safety concepts and special processes while simultaneously developing workplace skills that are highly valued by employers. Students explore the framework and imperative steps of Hazard Analysis Critical Control Point (HACCP) as a control for safe food production. Students also explore safe food processing and recognize proper food safety practices utilized to keep food safe through the flow of food. Common special processes and template HACCP plans are analyzed to ensure safe production of these special processes, thus keeping the consumer from risk. At the completion of this course, students are prepared to sit for a nationally recognized HACCP certification exam. Prerequisite(s): (CUL2510, CUL2610, CUL2710, CUL2810) or (CUL2510, CUL2810, CULN2020, CULN2230) or (CUL2010, CULS2010, CULS3035) or (CUL2215, 2235, 2245, 2255 2265), FSM1165.

Offered at Charlotte, Providence

3 Semester Credits

### **FSM3215 Culinary Operations and Facility Management**

This course is designed to enhance the student's understanding of how a foodservice operation's concept and menu influence back-of-the-house functions and costs. A task analysis is performed to design a workflow and identify the equipment and smallwares needed to receive and store product, and to produce and serve the menu. Overhead costs including direct operating expenses, furniture, fixtures and equipment (FFE), repairs and maintenance, and facilities layout and design are explored and evaluated to determine costs and the effect on profitability.

Prerequisite(s): (CUL2510, CUL2610, CUL2710, CUL2810) or (CUL2510, CUL2810, CULN2020, CULN2230) or (CUL2510, CUL2610, ENTR2001), FSM2045.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM4040 On-Site Foodservice**

This upper-level course emphasizes the contract or noncommercial segment of the food service industry. The traditional contract fields of business/industry, university/school, healthcare, recreation areas and catering are explored in depth. Contracts for these food service areas are evaluated from the client, contractor, guest and unit manager's perspectives.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

### **FSM4061 Advanced Food Service Operations Management**

This upper-level capstone course concentrates on integrating critical competencies of management in a small food service setting. Emphasis is placed on menu development, marketing, staff scheduling, production planning and implementation, service, and fiscal accountability. Students manage the food and beverage service operations.

Prerequisite(s): Senior status.

Offered at Charlotte, Providence

3 Semester Credits

### **FSM4070 The Business of Alcohol Distribution, Retail and Sales**

This course offers the student a comprehensive overview of the costs of producing, distributing and selling licensed alcoholic beverages in the U.S. and the relationship between costs, profit margins and sales. Each segment of the three-tiered distribution system is analyzed and the legal aspects of producing, distributing and selling licensed beverages are examined. Internet sales and the challenge it poses to the current system are also evaluated. The impact of the current system on the consumer and how the consumer's needs are addressed is the focus of the course.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM4160 Food and Beverage Strategies and Logistics**

This senior-level capstone course is designed to give students insight into strategic management and decision making in the food and beverage industry. Students develop critical-thinking and decision-making skills by employing a variety of methods to examine the strategies of a number of food and beverage organizations. Special emphasis is on the impact of internal and external factors on strategy, current market conditions in the food and beverage industry, and the unique importance of the supply chain as it relates to food and beverage organizations.

Prerequisite(s): (FSM3075 or HOSP3053 or MRKT1001), (ACCT3150 or FHSV2000), junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **FSM4880 Beverage Operations Management**

This upper-level course examines the creation and management of a beverage operation. Planning topics include concept, identification of target market and bar business creation. The creation of a business plan is discussed. Management topics include bar layout and operations, trend identification and product selection, basic production methods, costing and pricing, inventory methods and human resources management. The creation of wine lists, beer lists and cocktail menus is also discussed. Responsible Beverage Service is stressed.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Foundations in Tech (FIT) Courses**

### **FIT1040 Spreadsheet Design for Business Solutions**

This course provides students with a working knowledge of spreadsheet skills and apply those skills to problem-solving cases. Computer-based assessment software may be used as both a learning and skills measurement tool.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **French (FREN) Courses**

### **FREN1001 Conversational French I**

This course is an introduction to the French language, with emphasis on vocabulary acquisition, basic grammar construction and oral communication. Students who have previously studied this language are required to take the foreign language placement exam.

Offered at Providence

3 Semester Credits

### **FREN2020 French Language Immersion**

This course, delivered overseas by international postsecondary schools, is designed to develop both fluency in the target language and an in-depth understanding of the historical cultural contexts in which the language is spoken. Students acquire vocabulary through classroom lectures, discussions, required excursions and activities. Students also partner with native speakers of the target language to improve comprehension and communication skills.

Offered at Charlotte, Providence

6 Semester Credits

## Gender Studies (GEND) Courses

### **GEND1040 Introduction to Gender Studies**

This course introduces students to the concept of gender. It explores the biological, psychological, social, historical and performative aspects of gender and the effect that gender roles, biases and expectations have on society and on the lives of individual women and men in the U.S. and around the world. In this course, students are introduced to the topics of gender role socialization; the role that gender plays in institutions such as the family, schools, workplaces and prisons; the interplay of gender, politics and the law; and the portrayal of gender in popular culture. The relationships between gender and race and gender and sexuality are also examined.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

## German (GER) Courses

### **GER2001 Conversational German III**

This advanced intermediate course in German language is designed to further develop conversational ability by expanding the vocabulary covered in German II. In addition to grammar, students are exposed to the many aspects of life in present-day Germany, Switzerland and Austria.

Prerequisite(s): GER1002 or language placement.

Offered at Providence

3 Semester Credits

## Global Studies (GLS) Courses

### **GLS1001 Introduction to Global Studies**

This course is the first in the Global Studies program and introduces students to key concepts and issues in the field. Students discuss globalization as both a historical and ongoing process and study key geographic areas and participants in global issues. Global issues including those in politics, the economy, society, information sectors, the environment and others are examined within the context of global studies.

Offered at Providence

3 Semester Credits

### **GLS2100 Latin American History, Culture and Society**

This survey course is a multidisciplinary introduction to the diverse cultures and societies of Latin America from Pre-Columbian times to the present. Students explore the cultural and ideological impact of conquest on colonial societies and look closely at specific problems that Latin American peoples have faced in the 20th century and contemporary challenges for the present millennium. Topics include society and culture, history, politics, strategies for economic development, and U.S.-Latin American relations.

Offered at Providence

3 Semester Credits

### **GLS2200 Asia in Global Perspective: Peoples, Cultures and Politics**

Asia is a vast geographical region that encompasses several sub-regions, peoples, cultures, countries, economic and political systems. Asia remains a crucial site of global economic and geopolitical interest for the U.S., Europe and Russia. This course explores the cultures, languages and patterns of living in this diverse region in order to grasp more deeply the ways in which the global, local and regional intersect and shape patterns of everyday life in Asia. Students explore specific themes distinct to particular areas of Asia, and its relationship to the world. Topics include human diversity of Asia and its cultural lifeways; China, Japan and India and their role in global geopolitics; tourism and urban hubs; economic change and globalization; conflict and post-conflict societies; climate change; natural disasters; and religion.

Offered at Providence

3 Semester Credits

### **GLS2240 Middle East in Global Perspective: Peoples, Cultures and Politics**

This course explores the threads and connections that the Middle East's human diversity, politics, geography, cultural lifeways and on-going armed conflicts weave in a region defined by great human and geopolitical insecurity. The course centers on the complex ways in which everyday life is forged in the wake of these daunting dynamics that shape the tempo and patterns of daily life. Topics include cultures; languages; places; ethno-religious diversities; economic, political, ecological and geopolitical dilemmas; globalization and its impact on the region; popular culture; youth; gender; and sexuality.

Offered at Providence

3 Semester Credits

### **GLS2280 World Regional Geography in Global Perspective**

Utilizing the geographical imagination and a critical lens to examine the world, this course explores key issues in understanding how regions come to be in human terms — how they are distinct in the ways people make meaning of the location and territories they inhabit. Focus is on the distinctions and geographical approaches to the study of peoples, cultures, and economic and political activities by region. From the Arctic to the southern reaches of the Pacific Ocean, this course compares how regions are vital in the making of the globalized world. Topics include tourism, ecological destruction, regional-global dynamics, economical patterns, commodities, commerce, geopolitics, development, human cultural diversity and conflict.

Offered at Providence

3 Semester Credits

## Graduate Studies (GRAD) Courses

### **GRAD6082 Operations Management and Process Improvement Abroad**

In this course, graduate students apply a more focused lens on continuous improvement and cost management by designing and formulating an operations continuous improvement project with an international corporation abroad. Hosted by an international partner, students spend a week in classes and lectures, preparing for an intensive project week. Students construct a continuous improvement and cost management project, working directly with the corporation's executives and staff. While in country, students are immersed in the complex corporate environment through relevant readings, structured site visits and excursions, cultural events, and community interaction. Along the way students have a chance to tour the host country and visit key cultural sites. This experience provides a professionally focused immersion experience in their future field and opportunities to learn to appraise and value cultural differences when working with an international management team.

Prerequisite(s): Completion of a minimum of 18 credits, 3.5 cumulative GPA.

Offered at Providence

3-6 Semester Credits

## Graphic Design (GDES) Courses

### **GDES1000 Drawing for Design**

A precursor to all design thinking, drawing skills offer an effective means of prototyping visual concepts before committing them to final design solutions. Students gain a foundation in the elements and principles of design through the practice of drawing with the intent to develop and integrate drawing as an essential and crucial step in the creative process. With an emphasis on direct observation, students learn skills to train their eyes to reproduce what they see as well as take ideas from their imagination and translate to paper using traditional drawing tools. Based on design industry models, students also learn and apply technical, compositional and thematic principles as a means of developing a flexible design strategy.

Offered at Providence

3 Semester Credits



### **GDES1001 First Year Design Student Seminar**

In this course, students are exposed to all of the critical components of success in a university-level design program. They gain access to and utilize the myriad of academic, technical and design resources available here at Johnson & Wales University as well as in the local design community. This course eases the transition to college by helping students adjust to life as new designers and make connections with other design students, faculty and staff. Through instruction, workshops and field trips, this class helps students develop the skills that they will need in and out of the classroom, as well as in their careers as designers, such as responsibility, resourcefulness, professionalism, leadership and how to find creative inspiration.

Offered at Providence

1 Semester Credit

### **GDES1020 Design Theory and Practice**

Students learn how to thoughtfully apply the creative process to design projects, participate in a number of non-digital project-oriented experiences, and develop basic skills and practices to be successful in the program and in the industry. The class is structured with an overview of design industries, historical art movements, design trends, and an introduction to key figures. Exploring the creative process and traditional tools, students build a visual vocabulary and are exposed to the critical components of success in a university-level design program and in a collaborative learning space. Topics include elements and principles of design, layout and composition, branding, product families, packaging, and color theory. Instruction includes design analysis and critique, creative research and finding inspiration, hands-on problem solving and public speaking. Relevant connections to current and historical contexts are woven throughout the course.

Offered at Providence

3 Semester Credits

### **GDES1030 Vector-Based Design**

Vector-Based Design is a foundation course wherein students investigate the industry-standard vector-based design software. This project-based course introduces branding, screen layout design concepts, packaging template creation, and the use of hand-done elements within design. Relative concepts in image editing software that pertain to vector design are also introduced.

Offered at Providence

3 Semester Credits

### **GDES1040 Screen Design & Coding I**

This course introduces students to client-side coding languages (HTML, CSS, and Javascript) to develop solutions for multiple digital formats including desktop and mobile devices. Students combine research, contemporary visual approaches, compositional design principles, user interface design, and responsive coding practices in developing a series of project-based websites. Emphasis is on understanding and applying the current practice in planning and design as well as securing a solid vocabulary in the code required to present these solutions as planned.

Offered at Online, Providence

3 Semester Credits

### **GDES1050 Image Editing and Design**

This is a foundation course wherein students investigate the industry-standard raster-based manipulation software. This course is project-based with assignments using the acquisition, creation, manipulation and distribution of raster-based images. Students learn techniques in scanning and best practices in resolution and color mode management. Emphasis is placed on creative projects investigating photomontage/layering techniques and the development of essential frameworks for designing in print and screen formats.

Offered at Providence

3 Semester Credits

### **GDES1060 User Experience and Content Design I**

Designing solutions for interactive applications requires an understanding of the principles of interaction design, information architecture, content strategy, and user experience. In addition to these concepts, this course introduces techniques to conceive and plan user-centered projects for multiple digital formats including desktop and mobile devices. Grid-based frameworks and responsive web design practices are introduced and reinforced to effectively develop and test design solutions.

Prerequisite(s): GDES1040.

Offered at Online, Providence

3 Semester Credits

### **GDES2000 Typography**

Typography is a critical foundation of visual communications. Letterforms, typestyle, shape and size communicate subtle messages and convey important information. Successful design solutions always benefit from thoughtful and creative use of type, whether on a printed page or in digital space. This course presents the fundamentals of typography and letterforms including history, anatomy, theory and practice, while teaching students to appreciate type as a critical element of design and to identify type by respective classifications and families. Emphasis is placed on developing a current, practical typographic knowledge based on current industry standards. Typographic design in graphic communications is explored through project-based work.

Prerequisite(s): GDES1030 or permission of department chair.

Offered at Providence

3 Semester Credits

### **GDES2020 Motion Graphics I**

This course introduces the fundamentals of contemporary digital motion graphics. Students cover both animation and video techniques. Digital motion concepts and creation techniques are also covered. The course uses a range of software and hardware tools. Students experiment with motion image origination through basic animation and camera applications. Various editing tools are introduced.

Prerequisite(s): GDES1030.

Offered at Providence

3 Semester Credits

### **GDES2025 Basics of Screen Design & Coding**

This course allows students to explore the various components of creative web design using coding languages like HTML and CSS to develop design solutions for multiple digital formats, including web browsers, tablet computers and smart phones. Student combine research into contemporary visual approaches and learn how to use compositional design principles and grid-based "frameworks" to visualize contemporary responsive web design solutions. Emphasis is on understanding and applying current practice in planning and design as well as securing a solid vocabulary in the code required to present these solutions as planned. Topics also include Search Engine Optimization (SEO), User Experience (UX) and site architecture, key navigation and linking principles, as well as content development and design principles. Various webmaster tools (Google and Bing) are used as well as sitemap best practices and SEO.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

### **GDES2030 Editorial & Publication Design**

This course introduces the creative and technical development of text composition, layout and the hierarchy of information with emphasis on dynamic use of the grid, page structure, text/image integration and multi-page layout and design. Emphasis is on typographic composition and page layout. Using industry-standard page layout applications, this project-based class helps students develop their skills as designers by the creation of sophisticated editorial and publication design assignments.

Prerequisite(s): GDES2000.

Offered at Providence

3 Semester Credits

### **GDES2050 Content Management Systems**

In this course, students explore the workings of a popular content management system (CMS) as well as a strategic process for organizing and delivering their website content. Students use a variety of skills to build, deploy and test multi-page websites. Potential projects include ecommerce, portfolio, blog, small business, and progressive web apps. Students build upon content strategy, user experience, information architecture, and front-end coding skills.

Prerequisite(s): DME1060 or GDES1060, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **GDES2060 Portfolio Assessment for Digital**

In this course, students conceive, design and develop their own portfolio website, incorporating the projects and personal branding developed in Portfolio Assessment for Print (GDES2061). Students use their evolving knowledge of interactive design and front-end web development to organize and structure their portfolio, ensuring that their website is useable, accessible and visually appealing. Work originally designed for print is converted to a web-friendly format. Previously-produced web-based projects are revised and improved. Website design is prototyped for optimal user experience. Additional consideration is paid to formatting student work for delivery on common online platforms.

Prerequisite(s): GDES1060 or DME1060, GDES2030, GDES2061 (or concurrent), sophomore status.

Offered at Providence

3 Semester Credits

### **GDES2061 Portfolio Assessment for Print**

In this course, students assemble a comprehensive portfolio that demonstrates their increasingly sophisticated mastery of design. With faculty guidance, students gather, revise and organize their best works. Students begin to identify and present themselves as independent designers through the development and design of a focused personal brand identity that carries through to all of their presentational materials. Emphasis is placed on both self-branding and self-revision through reinforcement of design skills and concepts learned in the program thus far. In the final week of the course, students present and defend their work to a select group of faculty. Success in this course depends on the progress of the student, which is identified through both in-class and out-of-class assignments. There is an expectation that students display a high degree of involvement, which includes such behaviors as encountering all classwork and assignments with commitment, obvious preparation, and a willingness to become actively engaged in class activities and discussion.

Prerequisite(s): GDES1060, GDES2030, GDES2060 (or concurrent), sophomore status.

Offered at Providence

3 Semester Credits

### **GDES3015 Design Team I**

This course provides students with hands-on design and development projects from real-world clients. With faculty supervision, students work on a wide range of team-based design projects involving print and screen media. The resulting work supports the day-to-day operations of nonprofit client organizations, community partners and interdisciplinary collaborative work. This course is the direct, practical application of skills learned in prior academic courses and prepares students for future career success.

Prerequisite(s): GDES3250.

Offered at Providence

4 Semester Credits

### **GDES3025 Design Team II**

This course expands on the real-world client projects begun in Design Team I. This course provides students with hands-on design and development projects from real-world clients. With faculty supervision, students work on a wide range of team-based design projects involving print and screen media. The resulting work supports the day-to-day operations of nonprofit client organizations, community partners and interdisciplinary collaborative work. This course is the direct, practical application of skills learned in prior academic courses and prepares students for future career success.

Prerequisite(s): GDES3015.

Offered at Providence

4 Semester Credits

### **GDES3050 Basics of Print Design**

This course introduces the student to the fundamental principles of print design. Using both traditional tools as well as industry standard software, students learn the essential design concepts, process and work flow practice used in print design. In-class demonstrations and lectures involve the introduction of design theory and practical applications of print design peripherals. A variety of print-based assignments and projects are completed both in class and outside of class, and students are required to produce and deliver professional design presentations during in-class critiques.

Offered at Charlotte, Providence

3 Semester Credits

### **GDES3140 Motion Graphics II**

This course teaches students advanced digital production techniques and tools for full motion, sound and video editing. Participants explore current and emerging media standards and applications. Topics include converging digital media, content creation and use of digital media communication tools for internet-enabled application. Students work independently and on project teams.

Prerequisite(s): GDES2020, sophomore status.

Offered at Providence

3 Semester Credits

### **GDES3200 Print Production**

This course continues to explore the graphic design field with an emphasis on the production process and printing technology. Terminology and methods, communicating print specifications and cost estimates, file preparation and pre-flighting, font management, and color use in print production are explored. As part of this course, industry lectures are planned, both on and off campus. Projects for this course are designed to reflect the same expectations, processes and tasks as found in current printing industry.

Prerequisite(s): GDES2030.

Offered at Providence

3 Semester Credits

### **GDES3210 Advanced Publication & Print**

This course reinforces the creative and technical development of text composition, layout and hierarchy of information. Through various projects, students conceive, compose and produce multi-page layouts using sophisticated and advanced visual design techniques for print and screen. Students visually coordinate images and typographical content across multiple and emerging media specific to editorial and publication design.

Prerequisite(s): GDES2030, junior status.

Offered at Providence

3 Semester Credits

### **GDES3215 Screen Design and Coding II**

In this course, students advance their knowledge of client-side coding languages (HTML, CSS and Javascript) to develop design solutions for multiple digital formats including web browsers, tablets and smartphones. Students continue to apply solid compositional approaches while incorporating design approaches specific to the medium. Topics of focus include user experience, usability, responsive coding practices and performance optimization. Emphasis is placed on understanding and applying current practice in planning and design as well as securing an advanced vocabulary in the code required to present these solutions as planned.

Prerequisite(s): DME2050 or GDES2050, junior status.

Offered at Providence

3 Semester Credits

### **GDES3235 User Experience and Content Design II**

This course examines approaches for designing successful user experiences and user interfaces through the creation of several project-based applications. Focus is on adopting a carefully considered process of discovery, strategy, design and testing that can help designers understand the problem they are solving and offer intelligent solutions that satisfy both user needs and business goals.

Prerequisite(s): GDES3215, junior status.

Offered at Providence

3 Semester Credits

### **GDES3250 Brand Identity Design and Development**

The course is an immersion into the brand identity and development process, through strategy, design, implementation and presentation. Utilizing industry-standard software programs, students learn how to design identity systems that are unique, memorable, meaningful, appropriate and differentiated from competitors. In addition, students gain a better understanding of brand standards, brand equity, competitors, target audiences and cohesiveness across different forms of print and digital media.

Prerequisite(s): GDES2030, junior status.

Offered at Providence

3 Semester Credits



### **GDES3260 Package Design**

This advanced level graphics course is a hands-on, project-based class where students are expected to further refine their level of craft in prototyping, while applying their knowledge of branding and typography as it pertains to package design. Students are educated about new product and package development, visual coding, structural packaging, understanding competitor audits, visual hierarchy, brand equity, shelf presence, cohesiveness, material sourcing, understanding target audience & demographic, developing supportive marketing collateral, and food and beverage requirements within the package design industry.

Prerequisite(s): GDES3250, junior status.

Offered at Providence

3 Semester Credits

### **GDES3270 Wayfinding & Environmental Graphics**

In this advanced-level course, students explore the nuances of wayfinding and environmental graphics. Students gain a clear understanding of applying brand identity to various environmental spaces and the impact it can have, both from a visual and marketing aspect. Projects explore wayfinding systems, icon development, effective environmental graphics, signage, visitor flow, directional hierarchy, interactivity, visual clues and exhibit design.

Prerequisite(s): GDES3250, junior status.

Offered at Providence

3 Semester Credits

### **GDES3300 Design for Motion**

Students participating in this course learn digital production techniques and tools for full motion, sound and video editing. Students explore current and emerging media standards and applications, and the use of video and motion graphics in branded design platforms. Students work independently and on project teams.

Offered at Providence

3 Semester Credits

### **GDES3310 Digital Video II**

This advanced course explores different genres and narrative codes, including documentaries, TV ads and post-modern narratives, in experiential team assignments. Exercises in set lighting, advanced framing and advanced camera movement enhance already acquired production techniques.

Additional sound and audio production as well as more in-depth digital editing and special effects are provided for post-production. Topics include contemporary digital media history and film genres. Financing and project management are reviewed.

Prerequisite(s): GDES3300, sophomore status.

Offered at Providence

3 Semester Credits

### **GDES3315 Introduction to Programming with JavaScript**

This course presents an overview of the core components found in many programming environments using the popular JavaScript language as a model. The use of core programming concepts is explored through the creation of project-based programs. Students gain an understanding of the basics of programming, easing adaption of new ideas and practices in web development.

Prerequisite(s): GDES3215, junior status.

Offered at Providence

3 Semester Credits

### **GDES3345 Advanced Content Management Systems**

This course takes a close look at how content management systems (CMS) work in an effort to explore their creative possibilities. Informed by a sound understanding of both user experience strategy and best practices for contemporary web development, students examine approaches for building sustainable, CMS-driven websites through the creation of several project-based applications.

Prerequisite(s): GDES3235 or GDES3315, junior status.

Offered at Providence

3 Semester Credits

### **GDES4050 Senior Portfolio Assessment**

This capstone course guides students through the assembly of a comprehensive physical and digital portfolio that demonstrates their increasingly sophisticated mastery of design. With faculty guidance, students gather, revise and organize their best completed works as well as enhance their portfolios with additional advanced design projects. Portfolios consist of a minimum of 12 professional works showcasing a range of design capabilities. In the final week of the course, students present and defend their work to a select group of faculty and visiting professionals.

Prerequisite(s): GDES2040 or (GDES2060 and GDES2061), GDES3250, senior status.

Offered at Providence

3 Semester Credits

## **Health Science (HSC) Courses**

### **HSC1010 Introduction to Health Professions**

This course is designed to survey different types of health professions for those in pursuit of a healthcare career. Students are provided with information about all training, educational and certification requirements for the professions discussed in class. Students learn how each of the professions plays a role in providing care in the healthcare system and how the professions interact with one another. Case studies introduce students to different scenarios in which various healthcare professions interact to solve complex patient problems.

Offered at Charlotte, Online, Providence

1 Semester Credit

### **HSC1020 Medical Terminology**

This course provides an overview of medical terminology, the basis of the language used in healthcare. Students are introduced to the principles of medical word building, analysis and pronunciation, and define and interpret medical word parts and terms associated with the body using a systems approach. Common medical abbreviations applicable to each system are also defined.

Offered at Providence

1 Semester Credit

### **HSC1100 Determinants of Health**

This course provides students with an overview of the determinants of health as described by the Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO). The determinants of health are critical for understanding the impact of factors outside of genetics/biology on a population's health. A variety of topics are examined including a population-based overview of the determinants of health using the framework of social, physical, ecological and behavioral causation.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC1230 Introduction to Public Health**

This course explores what public health means and how it impacts our lives through environment, policy, communication and personal relationships. Students are introduced to the basics of the public health system, covering the basic definition of public health, how we analyze public health problems, defining the biomedical basis of public health, and describing social and behavioral factors related to health interaction and medical care issues. This course uses case studies and real-life scenarios of challenges faced and the strategies implemented for working with communities on specific health issues that have the potential to impact a population.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC2100 Epidemiology**

This course provides a systematic approach for acquiring and evaluating information on the distribution and causes of disease and other health outcomes in populations. Topics include epidemiologic methodologies utilized in health-related areas other than public health, such as clinical medicine, health administration, dentistry, occupational health and nursing. The link between epidemiology and the traditional liberal arts, such as social justice and health disparities, is discussed.

Prerequisite(s): HSC1230, MATH2001 or MATH2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2230 Introduction to Global Health**

This course introduces students to the major global health challenges, programs and policies that countries throughout the world make decisions about on a day-to-day basis. Students are introduced to the differences in global health status and disease prevalence and many of the factors that play a role in the reasons why some countries are able to eradicate disease more easily than others. Political, monetary and ideological values, as well as environmental factors, all play a role in creating health disparities globally. Discussion includes why people in some countries are healthier than those in others and why there are differences in resource allocation among these countries. Students are introduced to principal global health concepts such as the burden of disease, epidemiology, policy analysis and comparative health systems. Students learn to differentiate problems across countries and use learned skills to problem solve and communicate policy goals.

Prerequisite(s): HSC1230.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2310 Introduction to Healthcare in the United States**

This course introduces students to the organization, finance and delivery of healthcare in the United States. Students discuss how the structure of the healthcare system affects health outcomes for all populations. As part of this course, students explore the underlying principles of public and private health insurance. The course focuses on health policy reforms for both payers, providers, and patients and the challenges often faced with implementing reform. The influence of politics, economics, and environmental factors on delivery of healthcare services is discussed as well as how those factors affect patient outcomes and decision-making. In addition to the payment system, the course also introduces students to where healthcare is delivered and how care is regulated at both the state and federal level.

Prerequisite(s): HSC1230.

Offered at Online, Providence

3 Semester Credits

**HSC2330 Healthcare Organizational Theory and Management**

Students in this course examine the dynamic nature of organizations in the health services field and the administrative approaches in public and private agencies in the health sector. The healthcare system in the United States operates outside of traditional business norms, requiring leaders to understand the management principles that deliver healthcare services with high quality outcomes all while maintaining costs. Students explore healthcare management techniques through the lens of patients, providers and payers. This course also examines various principles of strategic management amidst the ever-changing regulatory environment with a focus on improving organizational efficiency, effectiveness and efficacy through leadership principles.

Prerequisite(s): HSC1230.

Offered at Online, Providence

3 Semester Credits

**HSC2400 Research Methods for Health Science**

This course introduces students to ecological, experimental and observational research methods that are necessary to conduct research in the health sciences and public health. Students discover the differentiating contributions of qualitative and quantitative research methods to the understanding of health and the disease process, as well as explore the role of innovative research designs, such as community-based participatory research, ecological momentary assessment, and mixed-methods designs. Students explore the relationship between methodological decisions and the strength of research findings. As part of the course, students develop a working knowledge of measurement theory; the validity and reliability of health-based measures; and population sampling techniques. Research ethics, including research funding and dissemination, are emphasized through historical and modern lenses, and past ethical errors relevant to the development of modern bioethical principles are discussed. Ethical codes created and supported by the American Medical Association and the American Public Health Association are prioritized. Students demonstrate their knowledge through the development of a research plan on a health or public health topic of their choice.

Prerequisite(s): (ESS2010/ESS2015 or HSC1230) and MATH2001 or MATH2010, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC3200 Health Education and Program Planning**

This course is a study of the processes involved in planning health education and health promotion programs. Emphasis is on community analysis, including social assessment, epidemiological assessment, behavioral assessment and environmental/ecological assessment. Program implementation and assessment are also examined. Additionally, behavior theory is discussed to reflect the symbiotic nature between the target population and the service provider(s).

Prerequisite(s): HSC2100, MATH2001 or MATH2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC3300 Comparative Healthcare Systems**

This course is designed to provide an in-depth survey of the structure, function and comparative performance of a variety of healthcare delivery and financing systems in the U.S. and other countries, and explores contemporary issues affecting the institutions that provide healthcare and the people who seek health services. The course also covers the historical development of international healthcare systems, the organization and financing of systems of care, and the policy process and priority setting. Finally, the course covers current efforts at healthcare reform.

Prerequisite(s): HSC1010, HSC1230.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC3410 Quality Improvement in Healthcare Organizations**

Quality improvement in healthcare is designed to improve patient safety, patient-reported outcomes, and overall health equity among patient populations. Students in this course learn about the history of quality improvement and how this movement significantly changed the healthcare landscape in the United States during the past few decades. This course also covers methods for measuring, managing and improving the quality of healthcare. Students learn the principles of quality improvement and how to apply these principles in practical healthcare settings. This course focuses on current reform efforts focused on use of performance measures, quality reporting, and incentives as a way to improve quality across the healthcare system.

Prerequisite(s): HSC2330.

Offered at Online, Providence

3 Semester Credits

**HSC3430 Healthcare Research Ethics**

In this course, students discuss research ethics and management within a healthcare setting. Preceding events to the implementation of modern research policies are explored, and students learn the role of the institutional review board. Students discuss the grant acquisition process, intellectual property issues in research, conflicts of interest and publication ethics.

Prerequisite(s): HSC2400.

Offered at Online, Providence

3 Semester Credits

**HSC3500 Current Issues in Health**

This course allows students to examine the etiology and outcomes of recent or novel health events. Emphasis is put on developments within the health, public health, and healthcare fields within the previous 12 months, and topics may be nationally or globally relevant. Potential topics include emerging infectious disease outbreaks, changes in chronic disease trends, health care reform, and program or policy implementation. The course requires students to apply practical and theoretical knowledge towards the discovery of the causes of disease and the identification of effective disease prevention or treatment plans.

Prerequisite(s): HSC2100.

Offered at Charlotte, Providence

3 Semester Credits

### **HSC4100 Health Policy, Ethics and the Law**

This course is designed to introduce students to topics that involve ethical issues in decision-making for public health issues that society faces every day. Students are exposed to a variety of issues in public health and provided examples of the process used to determine ethical trade-offs before decisions are made in the world of public health and healthcare. Topics include issues of conflict with values held by some stakeholders or members of the public; political and social circumstances; and when to impose restrictions on the freedom of individuals to protect the health of the community and the duties and obligations owed by citizens to the wider community.

Prerequisite(s): HSC1230, HSC2100.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC4310 Innovations in Healthcare Finance and Delivery Systems**

Alternative payment models have emerged as innovative ways to contain costs and increase quality in delivery of healthcare services in the United States. Students in this course explore the new approaches to improving efficiency in care delivery and how to develop new ways to pay for that care. This course introduces students to the different strategies used in pay for performance programs, accountable care organizations, and other reforms implemented for provider-based incentives and care coordination. This course also explores the different health reforms passed as a way to integrate payment and service delivery to patients in the United States.

Prerequisite(s): HSC2310.

Offered at Online, Providence

3 Semester Credits

### **HSC4900 Data and Evidence in Health: Research Capstone**

This course is designed to provide students with a context for performing research using different types of health data and to understand the differences across data types. Data as a decision-making tool is discussed as it pertains to issues in health, including making public health policy decisions, implementing new legislation, or deciding whether or not a drug is effective. Students perform an independent research study, beginning with the conceptualization of the research question, to selecting the appropriate data to create an analysis to be shared with colleagues. This is a capstone course that teaches students to transform their fundamental knowledge of public health research and methods in order to complete a research project using methods appropriate for public health research questions.

Prerequisite(s): (ESS2010/ESS2015 or HSC2100), HSC2400 and MATH2001 or MATH2010, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC6110 Epidemiology and Food Safety**

This course provides students with an introduction to epidemiologic methods used in foodborne disease outbreak investigation. Emphasis is put on the importance of surveillance in detecting various types of foodborne disease (e.g. bacteria, virus, parasite, etc.). In particular, students learn systematic approaches for collecting and analyzing data on the distribution of foodborne illness to identify the points of contamination and causes of foodborne disease. Both epidemiologic methods and molecular methods are presented to identify the causes of foodborne disease outbreaks. Finally, students evaluate the effectiveness of foodborne disease outbreak investigations using various case studies.

Offered at Online, Providence

3 Semester Credits

## **History (HIST) Courses**

### **HIST2001 World History to 1500**

Major developments in world history before the 16th century are considered with an emphasis on the rise of civilizations, the birth of religions and philosophies, and the development of artistic traditions. The development of various political systems, technologies, and forms of cultural expression in Western and non-Western societies are highlighted. The influence of societies upon one another and the political, religious, philosophical and artistic legacies of these cultures on the modern world are also emphasized.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HIST2002 World History Since 1500**

Major developments in world history from the 16th century to the present are considered with an emphasis on the impact of ideas and influences from Asia, Africa and the Americas upon European culture and society and the European impact upon Asia, Africa and the Americas. Emphasis is placed on the various revolutions — industrial, democratic, political, technological, military, social and cultural — that marked this period of time.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HIST2050 Food in World History**

This course examines the important role that food has played in human history from the Neolithic Revolution to the present. The course analyzes the ways in which historical events and cultural movements (e.g., wars, revolutions, religious conflicts, industrialization, exploration and colonization) have affected the human diet. The course also studies the manner in which dietary constraints and the need or desire for certain foods have, in turn, influenced world history.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

### **HIST2100 U.S. History from Colonial Times to 1876**

This course is a survey and analysis of United States history and those institutions that contributed to the evolution of the American nation from colonial times through the period of the Civil War and Reconstruction. Particular attention is given to the Puritan influence upon American character, the American Revolution, the creation of the federal Constitution, western settlement, the nature of slavery and the breakdown of the American political system resulting in civil war.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

### **HIST2200 U.S. History Since 1877 (to the Present)**

This course is a survey and analysis of United States history and those institutions that contributed to the evolution of the American nation since Reconstruction. Emphasis is on the rise of industrialization, urbanization and immigration; the coming of imperialism; the development of American foreign policy; the rise of big business; the growth of reform movements as seen in Populism, Progressivism and the New Deal; the Women's Movement; the Civil Rights Movement; and recent developments.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

### **HIST2300 History of Globalization**

This course explores the history of the process of globalization from its beginnings in the ancient world to the 21st century. It examines the spread of economic, political, intellectual and religious developments that brought together diverse societies across the world and bound them together in the economic, political, diplomatic and cultural institutions and networks (both formal and informal) that exist today. Topics include colonialism, imperialism, and the exploitation of both free and unfree labor in Latin America, Africa and Asia by industrialized nations. Particular attention is paid to seminal moments in history when peaceful contacts, violent clashes and/or ideological conflict led to new connections or altered existing ones among various regions of the globe.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST2400 History of the Atlantic World**

This course examines the development of the Atlantic World from the 15th century to the end of the 19th century. In this course students investigate the connections forged among the major components of the Atlantic World: North America, Latin America, the Caribbean, Africa and Europe. The course examines not only interactions between the "Old" World and "New" World and between the European core and the American and African periphery, but also intra-regional connections between local cultures. Focus is on the development of both trans-Atlantic and intra-regional economies, the Atlantic slave trade and its eventual abolition, the impact of colonization on indigenous communities in the Americas and the Caribbean, the creation of creole societies in the Western hemisphere, and the effect of colonization on gender roles. This course ends with an analysis of trans-Atlantic intellectual movements such as the Enlightenment and the Atlantic Revolutions that brought independence to most of the countries of the Western hemisphere by the mid-19th century.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST2420 History of the Mediterranean World**

This course is a survey history of the Mediterranean world — the societies and nations that border the Mediterranean Sea from pre-history to the 1960s. Among the nations and societies to be studied are Portugal, Spain, France, Italy, Greece, the Balkan states, Malta, Cyprus, Turkey, Israel/Palestine, Egypt, Libya, Morocco, Tunisia and Algeria. Focus is on the ways in which the civilizations and nations of the Mediterranean world have interacted with and influenced one another with particular emphasis on religion, gender roles, art and architecture, technological innovation, commerce, migration, slavery, government, political ideology and war. The influence of contacts between the Mediterranean world and the Atlantic and Pacific worlds are also considered.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST2440 History of the Pacific World**

This course is a survey history of the Pacific world — the societies and nations that border on the Pacific Ocean or that have been active in settling in the Pacific, from pre-history to the 1970s. Among the nations and societies to be studied are China, Japan, Korea, Vietnam, India, Indonesia, Fiji, Tonga, Tahiti, Samoa, New Guinea, Australia, New Zealand, the Philippines, Russia, the United States and Mexico. Focus is on the ways in which the societies, cultures and nations of the Pacific world have interacted with one another with particular emphasis on religion, commerce, exploration, colonization, labor and war, and the effect that these interactions have had on individual societies. The relationships between Europe and Africa and the Pacific world are also studied.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST3010 Modern History**

This course provides an in-depth analysis of the major ideas and forces in the Western world during the 20th century. It reviews significant figures and events, as well as the seminal forces that have led to current conditions.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**HIST3020 A Multicultural History of America**

In this class students survey the broad currents of American history through the lens of immigration, race and ethnicity. Beginning with the colonization of North America, students study the experiences of Native Americans and immigrants from diverse points of origin across four centuries. Students use firsthand narratives, period fiction, contemporary journalism, and historical scholarship to interrogate the shifting nature of American identity from colonial "contact" through the present day.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST3100 Contemporary American History: The United States in a Global Age**

This course addresses the recent history of the United States from the end of World War II to the present day, taking as its focus America's increasingly dominant role in world affairs. It traces America's rise as a global military and economic power and explores the implications of such might and affluence on American culture, foreign policy and liberation struggles here and abroad. Topics addressed include the Cold War, Vietnam War and Iraq War, liberal and conservative presidential politics, and the critiques that emerged from the left and the right.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST3150 Honors Seminar: History of American Popular Culture**

Popular culture both influences and is influenced by economic trends, social movements, political discourse, and international relations. This Honors Seminar examines the history of American popular culture from the mid-19th century to the 1980s. The class focuses on the ways in which historical movements and events have both influenced and been influenced by various forms of popular culture. Special emphasis is placed on the ways in which depictions of gender, ethnicity, and sexual orientation in popular culture have changed over time. As befits an Honors Seminar, classes focus on student-led analysis and in-depth discussion of primary sources. Students are expected to complete extensive writing assignments including a final project based on original research using primary sources.

Prerequisite(s): ENG1027, honors status.

Offered at Providence

3 Semester Credits

**HIST3200 American Government**

This course involves an examination of the political and governmental system of the United States, the principles upon which it is founded, and the institutions and systems which comprise it. Topics to be discussed are constitutional foundations, federalism, political parties, public opinion, interest group activities, civil liberties and decision-making in institutions of American national government, such as Congress, the presidency and the Supreme Court.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST3400 African American History**

This course explores the history of people of African ancestry in the United States from the colonial period to the present day with special focus on the transition from slavery to freedom to full citizenship over the course of the 18th–20th centuries. Among the topics studied are African American religion and spirituality, African American involvement in political and social reform movements, the role played by African Americans in the U.S. economy, and African American contributions to American culture. Interracial interaction, the social construction of "blackness," and the construction of gender roles within the African American community are also major themes of the course.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

## Hospitality Management (HOSP) Courses

**HOSP1001 Orientation to the Hospitality Industry**

This course introduces the student to the dynamic world of hospitality.

One of the largest industries in the world, hospitality includes travel and tourism, food and beverage, hotels and resorts, meetings and conferences, entertainment, cruising, and theme parks. An overview of this interconnecting service industry also enables the student to explore a large number of career possibilities. This course also exposes the student to various academic opportunities.

Offered at Charlotte, Online, Providence

3 Semester Credits



**HOSP1015 Managing the Hotel Guest Experience**

This course familiarizes students with the foundations of managing the guest experience within a hotel rooms division. Students focus on the critical management components and operational procedures of the front-of-the-house including: management of guest expectations, selling guest rooms and services, rooms forecasting, basic revenue management, teamwork, and interdepartmental relationships.

Prerequisite(s): FSM1001 or FSM3001 or HOSP1001 or SEE1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP1080 Technology in the Tourism/Hospitality Industry**

This introductory course provides students with comprehensive knowledge of the various information systems in the hospitality industry. Students gain a basic understanding in the use of property management systems, global distribution systems, point of service systems, internet distribution systems, mobile apps, and any other current technology available to the travel, tourism and hospitality industry. In addition, students learn about future technological trends in the industry.

Offered at Online, Providence

3 Semester Credits

**HOSP2011 Hospitality Sales and Meeting Management**

This course familiarizes students with the scope of sales, meeting and convention management within the hospitality industry. The reciprocal relationship between selling and service is presented within the context of hospitality marketing practices.

Prerequisite(s): FSM1001 or FSM3001 or HOSP1001 or MRKT1001 or SEE1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2040 Human Resources Management in Service Organizations**

Leaders in today's service-related businesses manage a diverse group of employees and are responsible for complying with employment laws and human resource policies. This course prepares students for situations they will encounter as they develop and apply sound human resource management principles. Students learn about the best practices of human resource management including recruiting, interviewing, selection, orientation, training, performance evaluation, discipline, terminations and employee and union relations.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2050 International Tour and Hotel Operations**

This course focuses on cultural, political, legal, and economic forces and their impact on tourism and how hospitality management practices differ among countries. Students plan and participate in tours and professional site visits to gain first-hand knowledge of the international travel experience. This course is taught only on a campus outside of the United States during a study abroad program.

Prerequisite(s): Must be accepted in Study Abroad program.

Offered at Charlotte, Providence

3 Semester Credits

**HOSP2070 The Gaming Industry**

This introductory course is designed to familiarize students with the many facets of the gaming industry. Students gain an understanding of the development of the gaming industry in the United States and a comprehension of the primary forms of gambling. This course delves into the current gaming environment in the United States and researches international gaming destinations. Students are introduced to a variety of career opportunities within the industry.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2260 Exploring the Private Club Industry**

This introductory level course examines the private club industry and its unique operational and managerial characteristics. Emphasis is placed on providing an immersion exploration of understanding the manager's role with the governing board or ownership principals, membership value proposition, staffing and the management of the clubhouse and recreational activities. The student is provided the opportunity to tour clubs and participate in Club Management Association of America CMAA and regional educational and networking experiences.

Offered at Charlotte, Providence

3 Semester Credits

**HOSP3005 Leading Service Excellence in the Hospitality Industry**

This upper-level guest service management course is designed to familiarize the student with principles of leading change, process improvement methodologies and how they affect organizations, and employees within hospitality organizations. Focusing exclusively on the unique challenges of the intangible service delivery requirements of the hospitality industry, this course incorporates Six Sigma and Lean methodologies. Emphasis is on root cause identification, problem-solving techniques, process effectiveness measurements in the service environment, and decision-making skills using relevant analytical tools.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3012 Sustainable Hotel Support Operations**

This course gives students a working knowledge of hotel support services, including facilities operations within a lodging context. Essential elements of engineering, housekeeping, and safety and security are discussed from a sustainability perspective. Students focus on managerial, financial and legal issues related to these departments. Current issues of sustainable operations with regard to environmental, social and ecological aspects affecting the hospitality industry are addressed.

Prerequisite(s): HOSP1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3053 Hospitality Strategic Marketing**

This course examines the broad scope of hospitality marketing. The emphasis is on hospitality marketing strategic planning, as well as the use of integrated marketing communications to build relationships. Topics include marketing foundations, strategic planning, consumer/organizational buying, market segmentation/targeting/positioning, and digital marketing.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3065 Hospitality Security and Risk Management**

This course is designed to familiarize the student with the various elements of risk management throughout the hospitality industry. It is intended to supply the student with a strong foundation in the elements necessary to provide a safe and secure venue and to reduce ownership liability.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3075 Hotel Strategic Marketing and Brand Management**

This is an upper-level course focusing on hotel strategic planning, brand management and the use of integrated marketing communications to build relationships. Topics include strategic planning, consumer/organizational buying, market segmentation/targeting/positioning, brand strategies and digital marketing.

Prerequisite(s): HOSP1015, MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3077 Revenue Management**

This course examines and illustrates the strategies, principles and techniques of revenue management as they relate to lodging, travel/tourism, food service and facilities management. The relationship between accurate forecasting, overbooking, reservation systems, marketing issues, pricing and e-commerce as they relate to financial decision making is investigated. Students are required to analyze revenue management scenarios.

Prerequisite(s): ECON1001 or ECON1002 or HOSP1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3085 International Hotel Operations, Development and Management**

This course focuses on the development and management of multinational hotel properties. Students participate in a week-long study abroad experience. Students learn the skills and abilities necessary to become a global hospitality manager, including managing a diverse, multicultural staff; developing strategies to satisfy international guests; and working as an expatriate manager. Trends in the global hotel industry are also examined. Prerequisite(s): HOSP2040 or MGMT2001, junior status. Offered at Charlotte, Online, Providence  
3 Semester Credits

**HOSP3105 Casino Operations Management**

This course provides students with the tools and techniques necessary to achieve optimal control of a casino operation. The organization of casinos and casino hotels and resorts is illustrated and students explore the areas of licensing, regulations and oversight for these operations. Throughout this course students are exposed to the reporting techniques used to circumvent money laundering, control credit and ensure internal operational control. Prerequisite(s): HOSP2070. Offered at Online, Providence  
3 Semester Credits

**HOSP3420 Introduction to Residential Property Operations Management**

This course familiarizes students with the foundations of managerial competencies necessary to direct and supervise property-related duties involving such residential properties as condominiums, apartments and long-term care facilities. Students learn to manage operations and resolve issues and problems encountered in day-to-day management situations in any type of residential organization. Prerequisite(s): HOSP2040 or MGMT2001. Offered at Charlotte, Online, Providence  
3 Semester Credits

**HOSP3440 Resort, Vacation Ownership and Spa Management**

This course examines the concepts and issues regarding resort management in such areas as ski, beach and golf resorts. The principles and concepts of the marketing and management of vacation ownership properties and spas are covered. Prerequisite(s): Junior status. Offered at Charlotte, Online, Providence  
3 Semester Credits

**HOSP4011 Hospitality Management Consulting**

This upper-level course is designed to give students insight into management consulting for enterprises in the hospitality industry. Using a variety of teaching methods, including the case study approach, simulated consulting assignments are introduced into the classroom to fine-tune the critical thinking and decision-making abilities of the student. The spectrum of management consulting providers, ranging from large international firms to sole practitioners, is reviewed. Prerequisite(s): (ACCT3020 or ACCT3025 or FISV2000 or FISV3001), (FSM3075 or HOSP3050 or HOSP3075 or MRKT3045 or TRVL4011 or (SEE3010 and SEE3160)). Offered at Providence  
3 Semester Credits

**HOSP4012 Developing and Managing a Small Hospitality Lodging Property**

This course is designed to familiarize students with the challenges and rewards of the entrepreneurial development and management of a small lodging property. Concepts for establishing the business, financial operations, daily operational procedures and marketing the business are covered. Prerequisite(s): ACCT1210 or ACCT2150, FSM3075 or HOSP3053 or MRKT1001. Offered at Providence  
3 Semester Credits

**HOSP4040 Hotel Asset Management**

This course focuses on the issues related to the maximization of hotel asset value. Processes of feasibility analysis and benchmarking are covered. Capital investment decision tools, value proposition of franchising and marketing affiliations, and the role of the asset management professional in the hotel environment are also discussed. Prerequisite(s): HOSP3077. Offered at Charlotte, Online, Providence  
3 Semester Credits

**HOSP4055 Hospitality Operations Analysis**

The course builds on concepts introduced and reinforced in courses across the curriculum in the areas of forecasting, marketing and revenue performance analysis, the management of labor costs, purchasing and inventory control, the integration of changes in the balance sheet with income statement results, and the prioritization of capital expenditures. The course is highly applied in nature and gives students the opportunities to learn and practice the business critical skills they will need upon graduation. Prerequisite(s): ACCT3150 or FISV2000 (or concurrent), junior status. Offered at Charlotte, Online, Providence  
3 Semester Credits

**HOSP4060 Hospitality Strategy Design and Execution Seminar**

This senior-level capstone course is designed to give students insight into hospitality strategy. Using a variety of teaching methods including the case study approach, realism is introduced into the classroom, improving the critical thinking and decision-making abilities of students both individually and within the framework of a team. Prerequisite(s): ACCT3150 or FISV2000, FSM3075 or HOSP3053 or HOSP3075 or MRKT1001, senior status. Offered at Charlotte, Online, Providence  
3 Semester Credits

**HOSP6030 Franchising and Licensing**

This advanced course focuses on growing a business through cooperative strategies, especially franchising and licensing. Economic concepts underlying franchising are reviewed. Students learn to determine when franchising or licensing are appropriate growth strategies for a company. This course covers key management, operations and legal issues involved with these growth strategies. Implementation of a franchising strategy is covered in detail, including policy development, penetration of new markets, fostering franchisor-franchisee relationships through channel communications and creating a sustainable competitive advantage. Prerequisite(s): HOSP5020 or MRKT5500. Offered at Online, Providence  
3 Semester Credits

**HOSP6060 Corporate Social Responsibility**

This course provides a conceptual and practical overview of the role of a business in contemporary society. Students use academic literature and current business scenarios to explore the social context of economic systems. Students further examine the concepts of business ethics and corporate legitimacy through the lens of contemporary business practices. Offered at Online, Providence  
3 Semester Credits

**HOSP6080 Experience, Adventure and Education Tourism**

This course is intended to give students an in-depth analysis of consumer motivation for participatory travel relating to hands-on experiences, involved education and adventure tours. Focus is on the management of businesses whose products provide deeply memorable experiences for those participating in an activity. The course examines ecotourism, culture-based tourism, gastro-tourism and adventure travel. Students explore the history, outcomes and future potential of experience tourism in various global destinations. Offered at Online, Providence  
3 Semester Credits

**HOSP6120 Organizational Behavior in the Hospitality Industry**

This course is designed to immerse the student in the basic concepts of organizational behavior and organizational structures in the context of the hospitality industry. Focus is on the impact of structural and leadership models that have proven successful in the intangible service delivery environment. Emphasis is also placed on the management of diverse personality types and skill levels, effective leadership and motivation of cross-functional teams, and design of financial and non-financial incentives to drive performance. Offered at Online, Providence  
3 Semester Credits



### **HOSP6509 Hospitality and Tourism Global Issues**

This course presents an advanced study of the evolution, growth, mission and roles of the different types of senior property managers and corporate officers of various hospitality and tourism organizations. The course explores major emerging issues and problems that impact the domestic and global lodging industry, as well as current issues and trends confronting the fast development of tourism activity at both national and international levels. Students acquire the knowledge, skills and attitudes necessary to undertake leadership roles in the increasingly interdependent and complex hospitality industry. Group and individual research examine trends, as well as industry-wide problems and concerns of current interest.

Prerequisite(s): RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

### **HOSP6526 Information Technology in Hospitality and Tourism**

This course is designed to provide the student with a perspective of the technological needs of a hospitality/tourism organization. Students conduct research in the areas of data and analytics, customer experience, point-of-sale, property management, online tourism marketing, and information security. Students explore the issues pertaining to operations and management in the industry by employing creative problem-solving solutions utilizing today's information technologies.

Prerequisite(s): RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

## **Human Resource Mgmt (HRM) Courses**

### **HRM5010 Human Resource Management**

This course provides students with an overall study of human resource management. Students learn about the different personnel management systems and how each is interdependent in supporting organizational strategy. Case studies and exercises are used to provide analogous scenarios for students to apply course knowledge.

Offered at Online, Providence

3 Semester Credits

### **HRM5020 Labor and Employee Relations**

This course presents various labor and employment law issues that employers and employees confront in today's union and non-union corporate environments. The course surveys the effects of union organization and representation, collective bargaining negotiations, the grievance and arbitration processes, and the laws, agencies and issues impacting labor-management relations in the public and private sector. Also discussed are various other legal issues including privacy, wages and salaries, and employee misconduct.

Offered at Online, Providence

3 Semester Credits

### **HRM5030 Strategic Compensation and Benefits**

This course reviews the fundamentals of wage and salary programs, including developing job descriptions, performing job evaluations, conducting salary surveys, adjusting pay structures, considering differentials and relating pay to performance. Benefit programs and related employee incentive and service programs are also covered. Ways to link performance to both monetary and non-monetary rewards are reviewed, including profit sharing, bonus plans, stock options, awards and special rewards for managerial personnel. Legislative restraints and tax treatments are discussed and behavioral theories are highlighted as they apply in this area.

Offered at Online, Providence

3 Semester Credits

### **HRM5040 Organizational Training and Development**

This course examines the role of human resource development in organizations as a tool for enhancing employee performance and assisting organizations with managing change. Strategies for assessing, designing, implementing and evaluating training and organizational development initiatives that advance employee and organizational performance are analyzed. This course also explores the role of human resources in impacting executive leadership, line management and staff development. Other topics discussed include succession planning, on-boarding, orientation, performance appraisals and coaching.

Offered at Online, Providence

3 Semester Credits

### **HRM5050 Strategic Recruiting, Retention and Succession**

This course addresses the legal, ethical and economic factors that affect recruitment, selection, placement and appraisal. Students distinguish among effective recruiting methods using internal and external selection processes. This course also discusses the requirements for a comprehensive job analysis and the development of job descriptions. Other topics discussed include organizational exit, retention, succession planning and employee records management.

Offered at Online, Providence

3 Semester Credits

### **HRM5060 Human Resources in a Global Environment**

This course focuses on practicing human resource management within the global context. It asks students to look at the different approaches to global HR, specifically the question of local differentiation versus global standardization for multinational and global organizations. Additionally, this course introduces students to a comparative approach to human resource management, where differences in HR approaches across the globe are discussed.

Offered at Online, Providence

3 Semester Credits

### **HRM6010 Advanced Organizational Behavior**

This course introduces students to research in psychology and its application to business management. Students cover different areas of psychology (social and personality) and study the potential impact this research has on managerial decisions. Students apply this study to decisions made within the human resource management systems.

Prerequisite(s): HRM5010, HRM5020, 6 additional credits completed in 5000 level HRM courses.

Offered at Online, Providence

3 Semester Credits

### **HRM6020 Human Resource Metrics and Statistical Research**

This course introduces students to the measurement and assessment of human resource initiatives. It provides students with an understanding of how to develop appropriate metrics to measure the impact of human resource management initiatives. These metrics include both qualitative and quantitative means, with a focus on ensuring a demonstrable return on investment for the organization. Students also study how to support and advocate for changes to these systems based on quantitative and qualitative measures.

Prerequisite(s): HRM5010, HRM5020, 6 additional credits completed in 5000 level HRM courses.

Offered at Online, Providence

3 Semester Credits

### **HRM6030 Organizational Change Management**

This course incorporates the literature concerning change management and its implementation. Students study the theory and research in change management. A part of this study is the understanding of change at both the organizational and individual levels. Students are also asked to apply this research as they develop human resource initiatives that support change initiatives.

Prerequisite(s): HRM5010, HRM5020, 6 additional credits completed in 5000 level HRM courses.

Offered at Online, Providence

3 Semester Credits

### **HRM6800 Human Resource Management Capstone**

This capstone course for human resource management integrates the knowledge and skills acquired through the program to examine how a human resource professional can impact employee and organizational performance, as well as the strategic management process. Many of the major areas in the human resource management field are revisited. Theories and best practices are analyzed for dealing with the dynamic circumstances organizations are confronting in the 21st century, many of which are significantly influenced by factors such as increasing globalization, employee mobility and constantly evolving laws and technology. Students further incorporate their knowledge and skills by developing a comprehensive, strategic human resources plan for an organization.

Prerequisite(s): HRM5010, HRM5020, HRM5030, HRM5040, HRM5050, HRM5060, HRM6010, HRM6020.

Offered at Online, Providence

3 Semester Credits

## Humanities (HUM) Courses

### **HUM3060 History/Sociology Abroad**

The course is a merger of two disciplines in an attempt to gain understanding of the human experience while living in a particular culture. The summer program is a unique hands on opportunity supported by pre-trip research and assignments. The goal is to leave the visited country with disciplined insight into the history and society of the foreign country.

Offered at Providence

3 Semester Credits

### **HUM3200 Honors Seminar: American Music Cultures**

This honors seminar introduces students to the foundational texts of cultural studies, popular culture studies, musicology and ethnography, and builds toward an understanding of how we use music to create and maintain social identities. Students complete research projects on a particular musical genre and subculture. Focus is on cultural analysis within social and historical contexts (drawing on the fields of literary criticism, history, sociology and music), which provides students with an opportunity to analyze and synthesize complex material encompassing multiple disciplines. Students are equipped with skills essential to the production of an Honors thesis, based on original research and analysis. A technical understanding of music and music theory is not a prerequisite for this course.

Prerequisite(s): ENG1024 or English placement, honors status, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

## Info Security/Assurance (ISA) Courses

### **ISA5005 Network Fundamentals**

This course is a foundational graduate-level course in computer networks. The course offers a comprehensive review of the application, transport, network and link layers of the OSI protocol stack. Advanced topics, including network management, traffic engineering and router configuration, are also addressed. Network protocols are studied in detail with an emphasis on learning to read RFCs within the context of the structure, FSM, configuration protocol learning paradigm.

Offered at Online, Providence

3 Semester Credits

### **ISA5020 Foundations of Information Security Management**

This courses provides a conceptual overview of information security management and information assurance (IA). Topics covered at an introductory level include information security and information assurance principles, information technology security issues, and security technologies and processes. Governance issues include policy, law, ethics and standards, as well as organizational models and communications. Risk management issues include risk assessment, threats, vulnerabilities and security life-cycle management.

Offered at Online, Providence

3 Semester Credits

### **ISA5030 Legal and Ethical Principles in IT**

This course provides an in-depth working knowledge of the ethics and laws pertaining to information systems security. Topics include the ethics of privacy, confidentiality, authenticity, medical information, copyright, intellectual freedom, censorship, social networking and cyber-bullying. Issues related to the creation, implementation, enforcement and assessment of institutional codes of ethics are discussed.

Offered at Providence

3 Semester Credits

### **ISA5040 Network Security and Cryptography**

This course details the issues faced by security managers in addressing network security threats, technical discourse regarding known threats, potential countermeasures to these threats, and the need for the aggressive application of cryptographic methods to guarantee the security of information. Students are immersed in the details of cryptography and explore both symmetrical and asymmetrical methods. Students delve into both the technological and mathematical elements of cryptography.

Prerequisite(s): ISA5005 or Department Chair Approval.

Offered at Providence

3 Semester Credits

### **ISA5050 Digital/Computer Forensics and Investigation**

This course studies cyber-attack prevention, planning, detection, response and investigation. Course goals include counteracting cybercrimes, and identifying and making the responsible persons/groups accountable. Topics covered in this course include fundamentals of digital forensics, forensic duplication and analysis, network surveillance, intrusion detection and response, incident response, anti-forensics techniques, anonymity and pseudonymity, cyber law, computer security policies and guidelines, court report writing and presentation, and case studies.

Prerequisite(s): ISA5040.

Offered at Providence

3 Semester Credits

### **ISA5085 Principles of Programming**

This course teaches students without a background in computer science or software engineering the concepts necessary to complete the graduate program in Information Security/Assurance. This course is designed to deliver an understanding of core algorithmic concepts (e.g., control structures, assignment, decision structures, mathematical/Boolean operations, etc.), an introduction to structured and object-oriented computer programming languages, compilers, interpreters and virtual machine environments. Students design algorithms to solve problems and learn how to translate these algorithms into working computer programs using appropriate languages and runtime environments.

Offered at Online, Providence

3 Semester Credits

### **ISA6010 Software Security Testing**

This course teaches the fundamentals of software testing from the viewpoint of security. An in-depth discussion on various security testing methods and tools vulnerabilities is provided with demos of concepts during the class. Students learn how to perform penetration testing in a practical way using well-established tools such as Kali Linux. This course covers different types of systems including Web-based systems and some internals of OS kernel software testing and exploitation. Students also learn software design patterns to built-in security during the architectural phase of the life-cycle.

Prerequisite(s): ISA5085, completion of 15 credits from core courses.

Offered at Providence

3 Semester Credits

### **ISA6020 Securing Virtualized and Cloud Infrastructures**

This course is designed to give students a solid technical understanding of virtualization, cloud computing, storage networks and the vulnerabilities known to exist in these environments. Students gain an understanding of the planning of these environments, the countermeasures to threats that exist and the management of information in the cloud. Topics include the interconnection of the virtualized environment with the underlying network transport and network storage technology.

Prerequisite(s): ISA5040.

Offered at Providence

3 Semester Credits

### **ISA6030 Hacking Countermeasures and Techniques**

This course focuses on the study of well-known hacker tactics, attack typing and categorization, profiles of hacker strategies, and a detailed review of countermeasures. Students examine both active and passive attacks, vulnerabilities of operating systems and the software vulnerabilities of popular systems with an eye toward effectively thwarting hacker threats.

Prerequisite(s): ISA5085, completion of 15 credits from core courses,

Corequisite: ISA6040.

Offered at Providence

3 Semester Credits

### **ISA6040 Advanced Network Intrusion Detection and Analysis**

This course covers principles and techniques of intrusion detection such as network traffic analysis, packet analysis, application protocol layer for common protocols, and log analysis. The use of intrusion detection tools and services is evaluated, as intrusion detection systems are now integral parts of the technology management fabric with the capability to stop threats in progress and capture/quarantine evidence.

Prerequisite(s): ISA5085, completion of 15 credits from core courses,

Corequisite: ISA6030.

Offered at Providence

3 Semester Credits

### **ISA6050 Business Continuity Planning**

This course focuses on the need for and ability to conduct business continuity planning. Emphasis is on planning for the inevitable system failure, network fault or security breach in the current technological environment, given industry's heavy reliance on technology.

Prerequisite(s): ISA5020, completion of foundation courses.

Offered at Online, Providence

3 Semester Credits

### **ISA6060 Risk Management and Incident Response**

This course is directed toward students interested in understanding how large-scale complex risk can be quantified, managed and architected. Students learn to identify the business and technical issues, regulatory requirements and techniques to measure and report risk across a major organization. Students explore techniques used to mitigate, minimize and transfer risk. This course also provides a foundation in disaster recovery principles, addressing concepts such as incident disaster recovery planning, developing policies and procedures, roles and relationships of various members of an organization, "swim lane" diagramming, implementation of the plan, testing and rehearsal of the plan, planning disaster recovery resources, and linking risk management incident response to large-scale disaster recovery implementations planning; developing policies and procedures; roles and relationships of various members of an organization; "swim lane" diagramming, implementation of the plan; testing and rehearsal of the plan; planning disaster recovery resources, linking risk management incident response to large scale disaster recovery implementations.

Prerequisite(s): ISA5020, completion of foundation courses.

Offered at Online, Providence

3 Semester Credits

### **ISA6070 Cyber Science and IT Business Operations**

This course focuses on IT auditing processes, cyber threats and their effect on common infrastructures, the properties and applications of specific loss count and loss severity distributions, actuarial modeling, and forensic accounting techniques. Topics include the planning of security provisions, countermeasures and deployment, as well as understanding the impact of attacks (evidence gathering and investigation), which depend on a combination of technology and business acumen. Certain estimation methods like percentile matching, maximum likelihood estimation, Bayesian estimation and credibility theory are also introduced.

Prerequisite(s): ISA5020, completion of foundation courses.

Offered at Online, Providence

3 Semester Credits

### **ISA6090 Information Security & Assurance Capstone Research Project**

This capstone course integrates previous coursework and practical experience with a focus on authentic demonstration of competencies outlined by the program. Students synthesize prior learning to design or develop a capstone as a culmination of their studies. The course is structured to support student success in fulfilling program requirements and developing a well-thought-out, comprehensive capstone project. Problem domains may be suggested by external sponsors, the instructor or student teams. The project itself can be research-oriented, have a design focus, center on evaluation and testing, or be tailored to an individual or team's interests. It should, however, touch on either the technical or business elements of information security, or a combination of both. Student teams or individuals are expected to document their projects in a weekly, online process journal. Key deliverables for the course, regardless of the project definition, include planning documents, execution plan, final project deliverable and presentation. Problem domains may be suggested by external sponsors, the instructor, or student teams. The project itself can be research-oriented, have a design focus, center on evaluation and testing, or be tailored to an individual or team's interests. It should, however, touch on either the technical elements, the business elements, or the combine technical & business elements of information security. This delivery model requires good communication about the process, as well as, the results of a project, since that is the main focus of the learning in the capstone experience. As such, student teams or individuals are expected to document their projects in a weekly, online process journal. Key deliverables for the course, regardless of the project definition, include planning documents, execution plan, final project deliverable and presentation.

Prerequisite(s): Completion of 9 credits from selected Technical or Business focus area and all core courses.

Offered at Providence

3 Semester Credits

## **Information Technology (ITEC) Courses**

### **ITEC1020 Introduction to Data Communications**

This is an introductory course to the concepts and components of a data communications system. Hardware and software features are reviewed to present the elements of and interactions in a data communications network. Communications interfaces, industry standards and communications protocols are presented in reference to understanding the actual throughput of data in a communications environment. Students are introduced to network topologies and their various application areas.

Offered at Online, Providence

3 Semester Credits

### **ITEC2081 Network Protocols I**

This course develops students' knowledge of computer networks, network appliances and network protocols. They are introduced to methods of developing protocols, including interpretation of standards, finite state machines and state-full transition. Students gain a conceptual framework useful in the adaptation of network protocols to network appliances and internetworking design. Through the use of network protocol analyzers students conduct in-depth examinations of the 802.3, ARP, IP (versions 4 and 6), ICMP and RIP protocols. Comparison of protocols is made by type. Students develop a basic understanding of the software paradigms used to construct protocols. In homework and lab assignments, students develop skill competencies needed to troubleshoot protocol issues. Students connect, configure and program a range of network devices; work with network protocol analyzers; examine the software internals of protocol implementations; and map the path of a data packet on a network.

Prerequisite(s): CSIS1101 or CSIS1020 or ENGN2009.

Offered at Online, Providence

3 Semester Credits

### **ITEC2082 Network Protocols II**

This course expands on the core network engineering and protocol concepts developed in Network Protocols I through an in-depth examination of the Internet Protocol (IP), RIP II and OSPF, ICMP, and VOIP. Students examine the details of software implementation of these protocols. Students understand the interplay of these protocols and the associated end node, enterprise, autonomous region and internet backbone structures in support of efficient and effective movement of information across the internet. Students use network design simulation software to explore the complex interactions of these protocols with each other and with the architectures they support.

Prerequisite(s): ITEC2081, MATH2001 (or concurrent).

Offered at Providence

3 Semester Credits

### **ITEC2085 Distributed Systems with TCP/IP**

In this course, students learn how client/server systems evolved and how those systems continue to adapt to business needs. Students develop an understanding of distributed programming techniques and of how distributed applications (databases, transactions, processors, ERP systems, etc.) work within networks. The course also covers the three main types of systems (Two Tier, Three Tier and N Tier) and how they relate to one another. In homework and lab assignments, students develop skill competencies needed to solve day-to-day business problems in maintaining and customizing databases and other applications. Students configure and implement their own client/server network, which gives them an opportunity to develop a professionally focused understanding of how such a network is designed and built. This course focuses on the upper layers of the OSI model (especially the application layer).

Prerequisite(s): ITEC2081, MATH2001.

Offered at Providence

3 Semester Credits

### **ITEC3010 Server Configuration and Implementation**

This course allows students to apply skills learned in the network degree program and other information-technology-related courses to the construction and commission of a server on a network. Students are responsible for configuring a server to deliver applications and files necessary to support many types of user-bases.

Prerequisite(s): CSIS1020 or CSIS1101, CSIS2045, ITEC1020 or ITEC2081.

Offered at Providence

3 Semester Credits

### **ITEC3031 Router Internals and Integration**

This advanced networking course gives students an in-depth view of router internals, protocol design and operation, as well as network modeling and design. Students learn about the intricacies of network design, choosing the right technological tool, network modeling and simulation, and network testing and benchmarking. Students examine the requisite hardware and software constructs necessary for successful router development and use. Students also examine advanced topics such as convergence, first mile/last mile, QOS and switching and routing fabrics. Students examine the behavioral complexities that emerge as a result of distributed autonomous routing and switching cohorts. Students receive professionally focused experience in lab exercises by designing their own networks and dissecting a router (hardware and software).

Prerequisite(s): CSIS1050 or CSIS1112, ITEC2082.

Offered at Providence

3 Semester Credits

### **ITEC3040 Systems Analysis**

This course presents a systematic approach to the development of business systems. By following this approach, students learn to design business systems that efficiently meet the goals and objectives of management. A major element of this course is a team project, where students utilize the systems approach in analyzing and designing a business system. This class is required for majors in this program and highly recommended for non-computer majors.

Prerequisite(s): CSIS1112 or FIT1040.

Offered at Providence

3 Semester Credits

### **ITEC3050 Information Security with Cryptography**

Encrypting information is one of the most effective ways to control information, verify authenticity of information and maintain confidentiality, integrity and non-repudiation. This course presents all aspects of computer and information security including symmetrical and asymmetrical data encryption, zero-knowledge based proofs, public key infrastructure systems, digital signatures, crypto currencies and security procedures using encryption. This course makes students aware of the various threats to computers and data and identifies methods and techniques for providing counter-measures to those threats.

Offered at Online, Providence

3 Semester Credits

### **ITEC3070 Systems Modeling and Simulation**

This course addresses the process of modeling systems, including business systems, network systems, dynamic vehicle systems and client-server systems, to name a few. The modeling process is the prerequisite for the simulation and subsequent analysis, design and assessment of a system with respect to specific performance criteria. The roles of modeling in simulation are presented within the context of the systems engineering process. Modeling encompasses everything from functional through mathematical modeling; simulation includes the development and use of software for systems analysis and design. Team projects from students' areas of interest are an integral part of the course.

Prerequisite(s): MATH2001.

Offered at Online, Providence

3 Semester Credits

### **ITEC3075 Network Security**

This course provides the students with a comprehensive introduction to the field of network security. Critical network security aspects are identified and examined from the standpoint of both the user and the attacker. Network vulnerabilities are examined, and mitigating approaches are identified and evaluated. Concepts and procedures for network risk analysis are introduced. Network architectures and protocols and their impact on security are examined. TCP/IP security is examined in conjunction with the IPsec and IKE protocols. Integration of network and computer security is introduced. The course also discusses the building of trust networks, key management systems, and physical network security. The course emphasizes the implementation of intrusion detection and prevention methods.

Prerequisite(s): ITEC2081, ITEC3050.

Offered at Providence

3 Semester Credits

### **ITEC3083 Wireless Networking**

This course covers the design and implementation of wireless networks and mobile systems. Students are acquainted with best industry practices and standards. Topics include practical wireless communication systems, cellular and wireless mesh networks, antenna theory, signal transmission basics, wireless network security, and management. This course also discusses recent advances in wireless such as network coding, interference alignment and cancellation, and emerging security and management techniques.

Prerequisite(s): ITEC2082 or ITEC2085, MATH2020.

Offered at Providence

3 Semester Credits

### **ITEC6514 Decision Support Systems**

This course focuses on design, development and implementation of effective systems for meeting information needs of management decision-makers. The course explains both model-based and data-based decision support systems and their use by business managers. Decision Support Systems (DSS) are addressed at three levels: general theory, implications for DSS design, and code/rule-based development. Data mining, developing business intelligence with analytics and modeling are reviewed. Data warehousing and DSS across cultures associated with transnational systems are also addressed.

Offered at Providence

3 Semester Credits

### **ITEC6524 Enterprise Data Management**

This course focuses on the problems and issues surrounding distributed data management integration and the concepts of grid computing. Also examined are management and administration of very large and /or distributed database architectures within national or international companies or organizations. Topics also include the fundamentals of business functions as they relate to enterprise data management.

Offered at Providence

3 Semester Credits

### **ITEC6534 Strategic Management of Information Technology**

This course examines four dimensions of strategic IT management: IT environment scanning, IT planning and control, IT acquisition and implementation, and strategic use of IT (use of IT to increase your firm's profitability). Special attention is given to the IT/IS alignment within the organization. Professional abilities and attributes of successful IT managers (knowledge, systems, strategies and technology) are also emphasized.

Offered at Providence

3 Semester Credits

### **ITEC6544 Current Trends and Issues in Information Technology**

This course provides current theory, trends, and issues in the field of information technology. Global topics of infrastructure, hardware, software, security, quality control are examined. Social and cultural impacts of technology, virtual digital communication, data mining and government regulations are also considered. E-business, planning, budgeting and electronic commerce within the context of information management are also assessed. Students develop an area of interest and formulate a research proposal for further study in IT management.

Offered at Providence

3 Semester Credits

## **Integrated Design (IDES) Courses**

### **IDES1010 Introduction to 3D Design**

This class is a hands-on introduction to designing in form and space. Students investigate form, perception and descriptive language across a variety of mediums. Students experiment with measurement techniques (manual and digital) and practice using projected drawing documentation.

Offered at Providence

3 Semester Credits

### **IDES1030 Direct Modeling**

Direct modeling introduces students to Computer Aided Design (CAD). Students study the current landscape of CAD technologies and how different software tools match up with common design problems. The class then focuses on one common direct modeling software to teach the basics of 2D drafting, 3D modeling and output workflows.

Offered at Providence

3 Semester Credits



**IDES2010 Human Factors**

This class introduces the concepts of ergonomics, usability and user-focused design. Students study human performance including physical, psychological and behavioral capabilities and how our understanding of those capabilities determine aesthetics and standards in design practice. Students conduct primary and secondary research and use case studies to discuss how research can inform design process. A final project assessing and proposing a modification to an existing product allows students to apply their understanding of how user needs can drive design decision-making.

Offered at Providence  
3 Semester Credits

**IDES2020 Studio - Iteration**

This course focuses on iteration and prototyping, the core of an investigative design process. Students experience a variety of prototyping techniques and learn of their application. Students develop a series of design proposals, using the critical ideation cycle: 1) Ideate, 2) Prototype and 3) Evaluate.

Offered at Providence  
3 Semester Credits

**IDES2030 Studio - User Centered Design**

This course further develops the understanding of human factors in design and challenges students to practice the iterative approach to develop a series of design proposals that demonstrate user-centered design.

Prerequisite(s): IDES2010.  
Offered at Providence  
3 Semester Credits

**IDES2040 Materials and Processes**

This course develops a practical understanding of physical, digital and virtual materials and material conversion processes used in product development. Students investigate material properties through research, simulation and prototyping. Students use basic statics calculations to quantify material properties and make performance predictions. In short design projects, students incorporate their understanding of material properties and material conversion processes into their use of Computer Assisted Design tools.

Offered at Providence  
3 Semester Credits

**IDES2050 Parametric Modeling**

Parametric modeling introduces students to Parametric Computer Aided Design (CAD). Students contextualize parametric CAD software within the current landscape of CAD technologies and how different types of parametric CAD (BIM, solid modeling, visual programming) apply to common design problems. The class then focuses on one common parametric modeling software to teach the basics of 2D drafting, 3D modeling and parametric workflows, focusing on the unique capabilities and efficiencies offered by parametric CAD.

Offered at Providence  
3 Semester Credits

**IDES2060 Studio - Form Finding**

This course explores the relationships connecting form, aesthetics, human factors and material optimization. Methods of form finding are introduced through a series of design proposals. Each project emphasizes varying connections and priorities.

Offered at Providence  
3 Semester Credits

**IDES3010 System Design**

This course introduces system thinking and system design techniques. Students practice interpreting, visualizing and analyzing products, organizations, and experiences as systems. Practices include diagramming, modeling and simulating. Students examine products in both micro and macro systems.

Offered at Providence  
3 Semester Credits

**IDES3020 Studio - Systems of Production**

In this course students work with materials and processes and incorporate system design. Students develop a series of design proposals, each associated with an existing production system and the associated material and process constraints.

Prerequisite(s): IDES2040.  
Offered at Providence  
3 Semester Credits

**IDES3030 Simulation, Analysis and Optimization**

This course expands on students' understanding of systems thinking and their ability to predict and optimize system performance. Specifically, students practice modeling systems using qualitative and quantitative representation. Students practice using basic statistical methods to quantify system performance and draw relationships between system input, system relationships and system output. Students explore modern simulation techniques to make predictions of complex or stochastic processes.

Prerequisite(s): IDES3010.  
Offered at Providence  
3 Semester Credits

**IDES3040 Studio - Ethical Design**

This course challenges students to expand their consideration of the impact of design beyond the end user and direct stakeholders. Projects require students to address the broader impacts of a design proposal, the responsibilities of a designer to society, how one navigates conflicting obligations, and how user needs are valued and prioritized.

Offered at Providence  
3 Semester Credits

**IDES3050 Emerging Design Technologies**

This course is an opportunity for students to explore the cutting edge of CAD, CAM, RP, IoT and other technologies driving changes in the design industry. The course starts with a broad survey of current technologies and trends. Students then research particular areas of interest more deeply. Visits to local advanced design and manufacturing businesses offer opportunities to see emerging technology in practice. Students concentrate on a particular technology and apply it to a short-cycle design problem.

Prerequisite(s): IDES1030, IDES2050.  
Offered at Providence  
3 Semester Credits

**IDES3100 Parametric Engineering Design**

This course explores the relationship between 2D representational drawings and 3D virtual and physical objects. Multi-view representation standards and techniques are presented and implemented through practice of traditional hand drawing. Parametric modeling software is employed to create virtual parts and assemblies from these drawings. Open-ended design problems are accomplished by utilizing multiple materials and methods of rapid prototyping, including laser cutting and 3D printing.

Offered at Providence  
3 Semester Credits

**IDES4010 Studio - Computational Design and Informatics**

Through a series of design proposals, students practice using data-driven decision-making which may include generative design, simulation, and optimization. Additional computational design tools are introduced at the discretion of the instructor.

Prerequisite(s): IDES3030.  
Offered at Providence  
3 Semester Credits

**IDES4020 Studio - Collaboration and Context**

This course adapts the design process developed in prior studios to operate effectively on a variety of contextual collaborations. Each class works with external clients, requiring students to navigate complex relationships and communicate effectively with a variety of stakeholders. Students learn and practice current best practices for managing collaborative design processes. Students develop their ability to design in context by expanding their interpretation of human factors to include design for institutions, organizations and demographic groups. Students demonstrate global empathy by considering their project through an international lens.

Prerequisite(s): Completion of 12 credits of Integrated Design Studio courses.  
Offered at Providence  
3 Semester Credits

### **IDES4030 Preparation for Capstone Project**

In preparation for the capstone project course, students develop and refine their own design perspective. Through researching areas of interest and practice composing questions to serve as the basis for further investigation, students develop and submit their capstone design project proposals for approval, prior to enrollment in the capstone project course. Students are encouraged to collaborate with an external sponsor in their self-directed capstone project which must be planned and incorporated into the design project proposal.

Prerequisite(s): Senior status.

Offered at Providence

1 Semester Credit

### **IDES4050 Capstone Project**

This capstone design project embodies the individuated design process each student has developed and refined over the studio course sequence. Students build a project plan to meet the objectives of the course based upon their pre-approved proposals.

Prerequisite(s): IDES4030.

Offered at Providence

3 Semester Credits

### **IDES5030 Food Systems Design Methodology**

This course integrates design thinking and systems thinking into a flexible methodology which students use to analyze and improve contemporary food systems. Students propose an intervention to solve or mitigate a systemic issue within a food system while considering the interactions between individual components and large-scale system dynamics.

Offered at Providence

3 Semester Credits

## **Integrative Learning (ILS) Courses**

### **ILS2003 The American Dream**

This course addresses the broad theme and question of "What is the American Dream" and also asks, "Have we achieved it?" "Has it changed?" and "What is the cost of pursuing it?" We explore this topic through various themes, including "Manifest Destiny," "The Immigrant Experience," "Civil Rights," "Gender Rights," "The Pursuit of Happiness," "Work and Business," and "Class and Culture." While this course is primarily a literature course, it uses a multidisciplinary approach to explore this topic from various perspectives, including history, economics, ethics, culture, psychology and political science.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS2010 Modern Identities: 20th Century Literature and Beyond**

This integrative learning course explores the relationship between modern world literature and its historical, social and/or political contexts through the study of the 20th century literary works. Fiction, poetry, drama and/or the essay are used as vehicles for exploring major movements, trends and events of the 20th century. Themes of racial, ethnic and gender identity, political oppression and/or war are explored. Emphases vary.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS2015 Honors Seminar: Postcolonial Literature**

Colonization of Africa and Asia and ensuing post-colonial reconstruction, two world wars, the spread and fall of communism, human rights movements and immigration profoundly changed the face of the world. This discussion-and-writing-intensive Integrative Learning Honors Seminar focuses on literary responses to and representations of select movements and events of the 20th century (emphasis varies). By reading texts through the lenses of postcolonial literary theory, history, philosophy and ethics, students examine the variety of human responses to the moral questions posed by colonialism, imperialism, and the social and political movements that arose in their wake.

Prerequisite(s): ENG0001 or placement, ENG1024, honors status, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **ILS2090 The Working Life**

This course focuses on the important and complicated role of work for individuals and societies. One of the most common everyday questions is, "What do you do for a living?" That question, when thoroughly examined, reveals a great deal about how people view themselves and each other, and how much work shapes the human experience. Through the lenses of history, sociology and literature, students examine how working lives have changed over time, the experience of the worker in various contexts and how work shapes identity.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS2110 The Atomic Age**

This course provides an overview of how the emergence of nuclear science (and the catastrophic consequences of its military use on Japan to end the Second World War) marked the beginning of an Atomic Age. How is it that the world's greatest scientific thinkers could produce a technological innovation capable of destruction on a global scale? From August 1945 forward, no longer could one draw simple connections between "science" and "progress." And yet nuclear developments continued to shape every aspect of human existence: from international diplomacy and energy policy to the "nuclear family" and popular culture. Drawing on scientific discourse, world history, international relations theory, Cold War studies, policy analysis, energy and environmental studies, and gender and cultural studies, this course explores the multiple ways in which we continue to live in an Atomic Age.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **ILS2140 History of Science**

This course explores human thought about the natural world from the earliest civilizations to the present. Students investigate a central question: From where did our ideas about the scientific process arise? At the heart of this course is the idea that science and technology are not isolated from the rest of society. Rather, they are shaped by historical and societal forces even as they influence civilization. In this course, students discuss the evolution of great scientific ideas of the past and the effects of religious, political, economic and social contexts on the development of scientific principles. Through close reading, analysis, discussion and integration of primary and secondary source materials, students make connections among the disciplines of history, theology, philosophy and science.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS2150 Introduction to American Studies**

This course introduces students to the major themes in American culture, both past and emerging. Students are given a sense of the tensions running through the identity and image of Americans here and around the world. As an integrative learning seminar, this course also serves as an introduction to the idea and practice of interdisciplinary scholarship. This course gives students a wide range of tools to make sense of what America is, has been and can be. Topics include traditional disciplines that help illuminate American culture. Focus is on art, music, literature, history and anthropology.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits



**ILS2180 Sexuality: Science/Culture/Law**

Sex. It is a seemingly simple term. Whether your birth certificate reads “F” or “M” conjures up a host of assumptions and expectations: acceptable sexual partners, appropriate physical presentation, acceptance of societal norms attached to your designation, and generally how you “fit” in society. One’s designated sex at birth was also synonymous with one’s gender. Are we beginning to understand, however, that this binary construct, and all its implications, is wrongly limited? Historically, there have been multiple revolutions in the way sex is conceptualized. In biology, evidence has mounted that biological sex and sexual orientation are not synonymous, nor is the notion of a binary gender construct. There is genetic and physiological support for the existence of multiple biological sexes, and that sexual orientation is hardwired rather than a choice or preference. Literature and popular culture have moved from portraying members of the LGBTQI community as a joke to treating it as a serious topic of personal liberation. The law has moved from criminalizing homosexual acts to granting same-sex marriage licenses to extending Civil Rights protection to the transgender community under Title VII. This course explores the links, or lack thereof, between these different developments. Is law more open to sexual variety because of the findings of brain science? Is popular culture more inclusive because of the increased economic clout of the LGBTQIA community? Or did these things occur independently? How do we relate these developments to the post-structural analysis of sexuality, gender and identity?.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2213 The Earth in Peril: A Literary and Scientific Analysis**

This course examines environmental issues created by unrealistic views about the earth’s capabilities. Relationships among people, environments and natural resources are analyzed through literature and scientific writings. Students examine why and how world views affect the natural world’s destruction and preservation.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2215 Honors Seminar: The Earth in Peril: A Literary and Scientific Analysis**

This course examines environmental issues created by conflicting views about the earth’s capabilities. Relationships among people, environments and natural resources are analyzed through literature and scientific writings. Students examine why and how world views affect the natural world’s destruction and discuss possible theories of preservation. Students contribute to inquiry surrounding the issue of sustainability through research and analysis.

Prerequisite(s): ENG0001 or placement, ENG1024, honors status, sophomore status.

Offered at Providence

3 Semester Credits

**ILS2280 Science and Civilization**

This course explores the social, political and historic contexts and implications of several scientific and technological developments through a variety of genres, including textbooks, newspapers and magazine articles, film, music, art, literature and the internet. The goal of this course is to raise student awareness of the global impacts, positive and negative, associated with specific scientific and technological developments, with emphasis on discerning the interconnectedness of those impacts. Through inquiry, research and debate, students develop a better understanding of the unique historical, social, political and cultural contexts in which these scientific and technological developments evolved and the influence these contexts had upon the form of these developments. In addition, students gain a deeper appreciation of the implications of these developments on the present and future.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2305 Honors Seminar: Behavioral Economics**

Behavioral Economics is a field of research in the social sciences that brings together the disciplines of economics and psychology. This Honors-level integrated learning seminar utilizes this approach to better understand human behavior. By drawing on both disciplines, students better understand why people frequently make irrational economic decisions and how certain choice contexts can lead to predictably irrational behavior. Students analyze through systematic investigation and experimentation a variety of biases and shortcomings people regularly display in making rational economic choices. Prerequisite(s): ECON1001 or ECON1002, ENG0001 or placement, ENG1024, honors status, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2325 Economics of Sin**

This course integrates economic, sociological and psychological principles to examine price gouging, cheating, illegal drugs, sex and gambling. Emphasis is on examining these “sinful” behaviors in the context of moral development and theories of motivation. Students also examine how government seeks to change and penalize such behavior and the consequences of these interventions.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2370 Obesity**

This course considers the now global problem of obesity from biological, psychological and sociological perspectives. Since the 1970s there has been a rapid increase in the incidence of overweight and obese individuals in the United States with 65 percent of adults now overweight. Childhood obesity rates have tripled in the last 20 years, producing the first generation of Americans who are predicted to have a shorter life span than their parents. The obesity epidemic is widely acknowledged in the United States, but in the past two decades, this problem has also spread to developing countries as they accelerate their nutrition transition to more mass-produced and processed foods. The roles of government and business are explored, in influencing access to foods and in defining obesity vs. health. The study of this now global problem is relevant from a personal health perspective as well as a political and economic perspective. Individuals empowered with knowledge can modify their own food environments and that of their children. A well-educated populace may wish to support initiatives to make progress on this societal problem to avoid economic losses in productivity and healthcare costs that will compromise America’s competitiveness.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ILS2385 Visual Literacy and the Sociology of Perception**

This course studies human perception of the social world from both a communications and sociological perspective. Elements of picture-based media as a means of molding cultural perceptions, social biases and personal views of reality are studied. Through a series of exercises, students critically examine images in art, still photographs, television, advertising, film and documentaries to determine their sociological messages. Using the language of visual literacy and an understanding of perception, students test assumptions about their world.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2390 The XX Factor**

The XX Factor takes an integrative learning approach to gender role development that foregrounds psychology and literature. This approach provides multiple lenses through which to examine current and historical concepts of women's psychological and social development. It prioritizes close textual analysis of gender identity and sexuality as figured in literature across a broad spectrum. The course considers both conformity and resistance to societal biases, stereotyping, and the imposition of gender and sexual norms. In doing so, it promotes critical thinking about the diverse possibilities for women's identities.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2435 Leonardo da Vinci: Culture, Art and Math**

This course covers a portion of the movement in Europe known as the Renaissance. It explores the works of one particular man, Leonardo da Vinci, and how his insatiable hunger for understanding impacted the culture of Florence and Milan, Italy. The course begins by examining da Vinci himself and his place in society, then moves on to examine some of his works of art and writings on architectural design and war machines culturally, historically and mathematically.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2440 Logic, Reasoning and Nonsense: How to Tell the Difference**

This course introduces students to logic, a discipline that straddles public policy, philosophy, law and mathematics. Students are empowered to use logic in their personal and professional lives to make informed decisions, identify invalid arguments and debate current topics. Topics include formal structures of thought as they can be readily applied to the organization of thought in written and spoken language. Students identify the logical errors or fallacies that are most frequently made in written and oral discourse.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Providence

3 Semester Credits

**ILS2450 The Mathematics of Art**

This course examines the use and appearance of mathematical principles and structures in art, architecture, sculpture and music throughout the history of the Western world. Topics include the Golden Ratio, the Fibonacci Sequence, linear perspective, two- and three-dimensional geometry, and the arithmetic behind music and music composition.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4020 Keywords in Social Media**

This course asks students to identify and analyze the roots of several keywords from historical, sociological and technological perspectives; demonstrate knowledge of how to do things with keywords (i.e., how sharing information can lead to apprehending a criminal); and evaluate the relevance of keywords to life in a democratic society. Abstract theories are applied to concrete case studies of social networks.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Providence

3 Semester Credits

**ILS4070 Nostalgia, Memory and Hybrid Identity**

This course examines diasporic literature in the context of cultural theory, history, psychology, philosophy and popular culture (such as music, film and art) to better understand the associated cultural negotiations. Students explore the way diasporic literature of the last century has significantly transformed the literary, theoretical and cultural landscape of the U.S. and raised a range of complex issues relating to identity, language, border crossings (geographical, linguistic and gender, etc.) hybridity, and acculturation and resistance. Readings range across such genres as memoir, fiction, essay, drama and poetry to consider how issues of identity and tradition are represented and contested by immigrant writers in the context of displacement and diaspora.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4110 Capital Punishment in America**

From the colonization of America to the present, over 18,000 individuals have been executed under lawful and/or territorial authority. This course examines the historical, social, ethical, judicial, legislative and political events that have led to the present patchwork approach to executions in the United States. With an eye toward evaluating the continued efficacy of capital punishment in a 21st-century criminal justice system, attention is given to the rationale and justification for executions from legal, social, political and economic points of view.

Prerequisite(s): ENG1021 or ENG1027, LAW2001 or LAW2005 or LAW3015 or LAW3025, any ILS 2000-level course, senior status.

Offered at Online, Providence

3 Semester Credits

**ILS4115 Contemporary Approaches to Classical and World Mythology**

This course introduces students to classical and world mythology in order to understand the eternal, timeless nature of universal archetypes and themes while also exploring how they acquire new, contemporary meanings. Students learn to interpret myth using elements of literature as well as through the theories of myth interpretation. From Homer to Harry Potter, emphasis is placed upon analysis of primary readings as well as their interpretations within the context of a variety of disciplines. Class discussions and student writing encourage critical thinking, synthesis and application of the terminology of the study of mythology.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4120 Disease and Culture**

This course addresses the question of what constitutes a disease from the perspectives of science and the humanities. Topics include the origins of disease and the effect that disease has had on political events, art and culture, warfare, and the economy of societies both historically and in today's world, and how societies throughout time have attempted, either successfully or unsuccessfully, to address the problem of disease. Students explore the cultural interpretations given to various diseases. Through the examination and analysis of various medical case studies, historical readings and literary pieces, students learn to think critically about how disease has helped to shape the world that we live in and what disease means to them.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS4125 Honors Seminar: Shakespeare: Studies in the Politics of Performance**

This course explores the direct and indirect ways that performances of Shakespeare's plays engage political debates, challenge social norms, provide historical insights, and encourage audiences to participate in the often subversive experience of playing. The idea that "all the world's a stage" was radical in Shakespeare's day, and continues to be so in ours. Students examine productions of the plays within historical contexts, considering both what they might have signified for their original audiences and how they still speak to us today. Employing a variety of disciplinary perspectives, including theatre arts, students analyze a wide range of productions and their influence on and beyond the stage. The course culminates with students groups proposing politically and culturally engaged stagings of a number of scenes from Shakespeare's plays, accompanied by contextualization and explanation of the production/performance choices.

Prerequisite(s): ENG1027, any ILS 2000-level course, honors status, senior status.

Offered at Providence

3 Semester Credits

### **ILS4130 History of Digital Art**

This course surveys the emerging world of digitally originated and exhibited artwork. A wide range of digital art formats are examined, including (but not limited to) 2-D, 3-D, motion, interactive, immersive, sensor-based, internet-based and "gamification." Key art historical influences in the technology of art creation from the Renaissance to the 21st century are explored. Major art periods such as Fluxus, Conceptual, Dada and Post-Modernism are reviewed as they relate to the development and growth of the late 20th-century digital art movement. Students investigate the history and growth of international public art paradigms and practices and their connections to digital art through civic, public and private institutions. Students also examine the relationship between digital art and the industry of creative design and media. Through active visual research of curated digital art pieces students discover a wide array of critically noted digital artists and their work. Finally, students consider the new aesthetics of digital art, comparing and contrasting them to more conventional art formats and exhibition models.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Online, Providence

3 Semester Credits

### **ILS4140 The Legal Imagination**

This course introduces students to the textual nature of the law. Through intensive study of literary, persuasive and legal texts, students explore the commonalities between what we call "literature" and what we call "law." Students begin to see the "constitutive rhetoric" of those texts through which an author creates a social and political community with words.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, one LAW-designated course, (one LIT-designated course or MCST2030 or ILS2010 or ILS2015 or ILS2090 or ILS2127 or ILS2150 or ILS2180), senior status.

Offered at Charlotte, Providence

3 Semester Credits

### **ILS4170 Passion, Power and Principle: Lessons at Play in Shakespeare**

This course employs the still-relevant insights of the Shakespearean canon as a means of understanding and resolving contemporary ethical dilemmas, social tensions and the conflicting demands of citizenship in today's world. Focus is on the resolution of moral dilemmas involving divisions of power, the use of authority, familial obligations and conflicting loyalties. This course takes an integrative learning approach that draws on literature, philosophy (ethics) and history to promote analysis and meaningful comparisons between the problems confronted in the world of Shakespeare's plays (and the society they reflect) and those faced by us today.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

### **ILS4176 Sports in Film and Literature**

This interdisciplinary course focuses on the significant inspiration of athletic endeavors upon the literary and cinematic imagination. Writers of fiction and nonfiction, prose writers and poets have discovered in the athletic experience a useful metaphor to express the purpose and meaning of life. Modern film explores both the realism and romanticism of sports in popular culture. This course is designed to acquaint the student with the essence of games as myth and metaphor and develop an appreciation of the historical context in which the stories are constructed and heard. The interdisciplinary considerations of history and culture allow for a richer understanding and appreciation of sports and sports literature.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS4180 Things That Go Bump In the Night: An Interdisciplinary Approach to the Supernatural**

This course explores the deeper meanings of supernatural creatures in works of film and literature from the perspectives of history, science, philosophy, literature and film. The course addresses the question of why certain supernatural creatures (e.g., vampires, zombies, werewolves, ghosts, the demonically possessed, Frankenstein's monster and extraterrestrial creatures) have featured so prominently in human thought, human fears and works of literature and film from antiquity to the present day. In doing so, the course addresses the historical context in which such beliefs have arisen and how they have changed. Students are encouraged to apply interpretive skills to an analysis of supernatural creatures with which they are familiar and to draw connections between the monsters of the 21st century and societal changes and hidden conflicts in the contemporary world.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS4190 The Problem With Evil**

This course takes an interdisciplinary approach to the examination of evil as a concept that has fascinated and horrified humans throughout history. Through religions, social norms, philosophies and literatures, people have attempted to define evil in order to explain, and make meaningful, aspects of life that seem otherwise incomprehensible or unbearably senseless. The course explores the construction and uses of evil as a defining term, and its impact on nations, communities and individuals. Students read a wide range of texts across broad historical and cultural spectrums, looking for the answers to this question that continues to perplex and captivate us.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS4210 Colors**

This course explores the role and importance of colors in the natural world, astronomy, geology, human society, culture, psychology, art and many other disciplines. Topics include the physics of color and its perception by animals and the color of the ocean, rocks, minerals, stars and galaxies. In addition, the various uses of color by plants is examined, including the utilization of colored pigments by plants for light absorption in photosynthesis. The various ways that animals use color are also explored, including how colors are used by both predators and prey and how they are used to attract mates. Additional topics include the affect of colors on humans, including mood, language, musical expression, and as a symbol of national or group identity in politics and religion. Colors have a profound influence in artistic expression and in the food and fashion industries. The importance of colors in all of these different disciplines are examined. With the knowledge and skills learned in this course, students are able to explore the use and application of colors in their own chosen field of interest.

Prerequisite(s): ENG1021 or ENG1027, any BIO, CHM, PHY or SCI-designated course, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4270 Narragansett Bay**

This course, both in-class and outdoors, investigates the natural history, industrial development, ecological changes and cultural transformations that occurred from pre-Colonial to post-industrial periods in the Narragansett Bay watershed. The course searches policy solutions to guide future development and examines the geological, biological, economic and cultural history of Narragansett Bay. Students explore the arrival and settlement of humans and the effect of human populations in the Narragansett Bay region. The relationship between climate change and the Narragansett Bay region is analyzed. A place-based, active-learning pedagogy is used to bridge institutional divides existing between academic disciplines. The integration of several theoretical methodologies facilitates effective examination into the ecological changes of the bay, the historical impact of urbanization, industrial land use, and residential development on environmental quality. Allegorical stories of places in the watershed are combined with a "sense of place" analysis to understand how local culture addresses real problems of the Bay. Students research environmental and economic viability through various pollution studies and integrated assessments using science, technology, engineering, art and mathematics skills.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Providence

3 Semester Credits

**ILS4290 Science or Pseudoscience?**

Pseudoscience is any area of beliefs that sells itself as scientific but upon investigation is found to have little or no scientific evidence. Examples include areas such as alternative medicine, astrology and "creation science." This course looks at the basis for how science works and how we distinguish between real science and pseudoscience. This course focuses on the scientific method and how it is used to test claims in any area, but exploration of psychological issues for why people believe strongly in things that are not supported by facts is also examined. Exploration of the difference between science and pseudoscience is done using some of the areas discussed above as well as topics such as organic and GMO foods, climate change and others. The application of the scientific method provides the basis to the evaluation of these fields. Finally, the history of pseudoscience is briefly explored as well as the role that the internet and social media plays in the propagation of pseudoscience.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Providence

3 Semester Credits

**ILS4302 Abuse of Power: Corruption in Contemporary Society**

This course examines how (in the hands of certain individuals and groups and under "favorable" social, political, historical and economic conditions) the abuse of power and corruption impacts lives in all social strata. Students analyze this question and propose research-based recommendations for transforming dysfunctional systems into sustainable and productive models.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4320 (De)Constructing Race and Color**

This course addresses the racialization processes involved in the social construction of the color of race — White, Yellow, Brown, Red and Black — through interdisciplinary studies including the arts, humanities, social sciences, biology, law and education. The course identifies the key parameters of the racialization process (historical subjugation through involuntary immigration and migration, voluntary immigration, prejudice, stereotypes, scientific racism, cultural racism, and systemic) of institutional racism and how various groups in the United States were raced into a color. Students are tasked with thinking about why race matters within educational, economic, political and social institutions. The course involves intentional discourse on the complexity of the color of race through scientific interrogation, analysis and interpretation of the course materials to understand the social construction of the color of race and how race can be deconstructed in the 21st century.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4340 Global Food Security and Leading Change Locally**

This interdisciplinary course critically assesses the global challenges of food security and how leadership in a local community organization addresses food access. Food is explored from a cultural, nutritional, ecological and ethical context while analyzing issues of food production, causes of insufficient supply, nutritional and health implications, and effects on quality of life. Evaluation of political, environmental, technological and economic factors that contribute to the perpetual issue of food insecurity and the social consequences also occurs. The critical issue of the course examines whether access to food is a basic human right and whose responsibility it is to provide societal members with the nourishment needed to be productive. These perspectives are explored theoretically, on the global scale, and experientially, in the local community. Additionally the student utilizes his/her leadership skills to engage 40 hours of community service in an organization of his/her choosing, preferably nonprofit or with professor approval a for-profit socially responsible organization. The student completes a substantial agency-based project, in conjunction with his/her site supervisor that serves as a tangible contribution to the overall organization and its ability to address food security locally.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4430 Explorations in Symmetry**

The course introduces the student to the basic concept of symmetry and its important role as a unifying agent in the understanding of mathematics, nature, art, architecture and music. Topics covered include an introduction to group theory, the mathematical language of symmetry, transformations, general symmetry principles and applications.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, MATH1040 or MATH2001 or MATH2010 or MATH2020, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4490 Statistics of Popular Culture**

This course is designed to give students a unique look at statistics topics applied outside the classroom, specifically in the world of popular culture. Examples of popular culture include but are not limited to movies, television, books, music, sports and video games. These topics are analyzed through a unique guise of combining statistics with sociology. Students should be able to practice what they have learned in basic statistics course(s) to further prepare them to use research design outside of academics.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, MATH2001 or MATH2010, senior status.

Offered at Charlotte, Providence

3 Semester Credits

## Interdisciplinary Studies (IDST) Courses

**IDST1001 Introduction to Interdisciplinary Studies**

This interdisciplinary studies course focuses on preparing students to design and plan a major in Interdisciplinary Studies: DYO. Students learn about academic disciplines and the growth of interdisciplinary programs in universities and analyze interdisciplinary research to understand the strategies used in interdisciplinary academic work. In addition, they apply self-assessment, interviews and library research on the uses of interdisciplinarity in the workplace and civic life. Each student creates a potential course of study for an individualized Interdisciplinary Studies: DYO major that addresses a theme, problem or issue.

Offered at Providence

1.5 Semester Credits

**IDST3100 Interdisciplinary Project Development**

This Interdisciplinary Studies: DYO course focuses on interdisciplinary project development. Students analyze various methods of communicating interdisciplinary ideas in a variety of forms and genres including personal reflection, narrative, scholarly writing, oral presentation, portfolio building, and writing a proposal. Students use research and self-assessment strategies to evaluate their self-designed major and propose any necessary revisions. The course will culminate in the creation of a plan for a senior-year capstone project.

Prerequisite(s): IDST1001, junior status.

Offered at Providence

1.5 Semester Credits



### **IDST4900 Interdisciplinary Studies: DYO Capstone Project**

This course offers Interdisciplinary Studies: DYO students the opportunity to develop and complete a self-designed capstone project. This project is completed in consultation with their faculty advisers. Students engage in independent research, writing, and other appropriate forms of independent engagement with their chosen project.

Prerequisite(s): IDST3100, senior status.

Offered at Providence

3 Semester Credits

## International (INTL) Courses

### **INTL4799 International Internship**

This course is a variable-credit placeholder used to maintain student status while participating in an internship outside of the U.S. as part of an approved JWU exchange or affiliate partner program. Students may complete the internship while participating in the study abroad program or as an extension after completing the coursework.

Offered at Charlotte, Online, Providence, Providence CE

3-12 Semester Credits

## International Business (IBUS) Courses

### **IBUS2002 International Business**

This course is designed to provide structured approaches for analyzing the rapidly evolving field of international business. Topics include the nature of international business, the international monetary system, the foreign environment, and strategies of how management can deal with environmental forces. Selected case studies should encourage students to evaluate and discuss courses of action taken by companies and industries in the global marketplace. Theoretical foundations of international business and real-world scenarios help prepare students to operate more effectively in the changing global business environment.

Prerequisite(s): BUS1001 or MGMT1001, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **IBUS2020 Seminar on the European Union**

This course deals with the detailed study of the development of the European community and the implications that it has for American business. Specific companies in selected countries are studied as to how they are affected by community laws, tariffs and production regulations. Considerable emphasis is placed on outside speakers, articles and video cases.

Prerequisite(s): ECON1001.

Offered at Providence

3 Semester Credits

### **IBUS2031 Global Studies: China**

This course provides an integrative view of Chinese business, economics, politics, culture and history. Students discuss current events and their relevance with respect to international trade and business relations. The interdisciplinary approach challenges students to critically evaluate existing business models for China and provides them with the information and intellectual flexibility that cross-cultural managers need to keep up with the fast pace of business development in the region.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS2032 Global Studies: Pacific Rim**

This course introduces students to the cultural, political, business, trade and economic contexts of the United States' most important trading partners on the Pacific Rim. Students immerse themselves in discussions and workshops that are focused on all business related dimensions of international trade. The course is intended for students who are interested in International Business or are considering business careers that require interdisciplinary skills and the emotional intelligence to navigate a multidimensional global business environment.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS2033 Global Studies: Latin America & the Caribbean**

This course addresses the many characteristics of this region, from wealthy areas to poverty stricken countries. Our southern neighbors are struggling with democratic norms, repression, and economic and business development. Culturally diverse, people of the region have found ways to express themselves through modern and traditional art. Students engage in discussions and projects that challenge them to analyze a variety of business and trade models for this dynamically growing area of the world.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS2034 Global Studies: Russia & Eastern Europe**

This course give students insight into two regions that despite economic modernization and democratization have yet to catch up to the living standard of their western neighbors. Russia and Eastern Europe are facing challenges that are — in part — created by their vast geographical expanse, diverse cultures and struggles to leave communist political, economic and business structures behind. Students work with case studies and engage in project work to analyze dynamically evolving business and trade opportunities.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS2036 Global Studies: Africa & the Middle East**

This course enables students to undertake interdisciplinary research of African and Middle Eastern business, economic development, politics, culture, art and history. As a foundation, students gain insight into the geographic, demographic and socio-economic characteristics of the region. Rigorous discussion addresses the problems of economic development, with emphasis on economic growth, international trade, and structural change. In case studies using recent business scenarios, students analyze current problems and propose strategies that might address them. Projects help students focus on how to expand business relations to the region.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS3040 International Culture and Protocol**

This course focuses on cultural diversity. Students gain knowledge of international cultures and protocol, which are the critical building blocks of success in conducting business internationally. The ability to build bridges between people from different countries and with different ethnic backgrounds is emphasized in this course.

Prerequisite(s): BUS1001 or MGMT1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS4055 International Resource Management**

Slow economic growth and sovereign debt mark an era of economic and managerial reorientation and renewal. Students explore the opportunities of efficient resource use and innovation as a creative response to changed international economic and trade conditions. The course analyzes environmental realities on five continents and uses methods of environmental economics and business management to explore the effects of trade patterns and their impact on the quality of life internationally. Alternative approaches to energy production, trash management, and other resource relevant issues are discussed. Students completing this course have a better understanding of the new, post-material economy and its demands on individual and managerial change.

Prerequisite(s): ECON1002 or IBUS2002, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **IBUS4082 Operations Management and Process Improvement Abroad**

In this course, students actively participate in an operations continuous improvement project with an international corporation abroad. Hosted by an international partner, students spend a week in classes and lectures, preparing for an intensive project week. Students focus on a continuous improvement and cost management project, working directly with the corporation's executives and staff. Along the way students have a chance to tour the host country and visit key cultural sites. This experience provides a professionally focused work experience in their future field and opportunities to learn to navigate cultural barriers when working with an international management team.

Prerequisite(s): ACCT3035 or MGMT2030, 3.0 cumulative GPA.

Offered at Charlotte, Providence

3-6 Semester Credits

### **IBUS4093 Intercultural Management in a Global Context**

This course is taught as a short-term study abroad program. Students are placed in an international context to study how culture impacts management practices while developing their own intercultural management competencies through the study of intercultural management theories and practice. Differences between the United States and the host country/region practices are analyzed. Industry visits, cultural excursions and experiential projects are included in the course to provide students with a comprehensive and immersive learning experience.

Prerequisite(s): MGMT2001, sophomore status.

Offered at Charlotte, Providence

3-6 Semester Credits

### **IBUS5511 Global Economic Environments**

This course presents various theories and practices of globalization, international trade, importing, exporting, finance and international risk assessment. Topics examined include globalization, absolute and comparative advantage, tariffs, non-tariff barriers to trade, importing and exporting, regional trade agreements, trade policies for developing nations, immigration, foreign investment, and the effect of public policy on international trade. In addition, students gain insight into the ethical, international and multicultural dimensions of organizational behavior.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

### **IBUS6020 Global Business Negotiations**

This course is designed to provide students with the theory and practice of international business negotiation that would allow them to conduct talks successfully in a variety of international settings. It exposes students as managers to a broad spectrum of business negotiation issues across the board and assists them to feel comfortable in an interactive international trade environment. A basic assumption of the course is that the contemporary manager handling business internationally is required to have both analytic and interpersonal skills to conduct full-fledged negotiation effectively and successfully. This course is designed to give students the opportunity to develop these types of negotiation skills through a learning experience. Every class deals with an aspect of negotiation in-depth, explains various key notions, discusses home-assigned readings, and investigates important issues that have been brought up with regard to the way prospective managers handle negotiation.

Offered at Online, Providence

3 Semester Credits

## **Law (LAW) Courses**

### **LAW2001 The Legal Environment of Business I**

This course provides an overview of the legal, regulatory and ethical environment in which business decisions must be made. Students are exposed to a variety of legal topics; basic concepts, such as court procedures, contracts and torts, are followed by a selection of more advanced related fields which may include sales, intellectual property, real property law, constitutional law and alternative dispute resolution. Attention is paid to both the letter of the law and its practical effect on business decision-making. This course relies on, and develops, the student's ability to read and reason critically.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **LAW2005 Hospitality Law**

This course provides an overview of the legal and regulatory environment in which business decisions must be made within the hospitality industry. The course exposes the student to a variety of basic legal topics such as contracts and torts which are followed by a selection of more advanced related concepts which may include service of food and alcohol, innkeeper-guest relations, liability for the personal property of others and employment relationships. Attention is paid to both the letter of the law and its practical effect on business decision-making. This course relies on, and develops, the student's ability to read and reason critically.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **LAW3002 The Legal Environment of Business II**

This course is a continuation of LAW2001, The Legal Environment of Business I. Students are exposed to the laws governing the internal organization and relationships within a business, the laws governing relationships between a business entity and its clientele, and the laws governing relationships between a business and its employees. Attention is paid to both the letter of the law and its practical effect on business decision-making and managerial policy. This course relies on, and develops, the student's ability to read and reason critically.

Prerequisite(s): LAW2001 or LAW2010, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **LAW3010 Business Law for Accountants**

This course provides the Accounting major with an understanding of the legal framework within which accountants must operate. The course concentrates on the following topics: business organizations, professional responsibilities, contracts, government regulation of business, the Uniform Commercial Code (Articles 2, 3 and 9) property and debtor-creditor relationships.

Prerequisite(s): LAW2001.

Offered at Online, Providence

3 Semester Credits

### **LAW3015 Criminal Procedure**

This course presents an overview, analysis and critique of American criminal procedure in the context of the U.S. Constitution, with special emphasis on the Fourth Amendment with respect to search and seizure, stop and frisk, arrest, evidence, interrogations, confessions, identification, and remedies such as the exclusionary rule. Other constitutional issues relevant to the foregoing, including the Fifth and Fourteenth Amendments' due process and equal protection doctrines, shall be examined.

Offered at Online, Providence

3 Semester Credits

### **LAW3025 Criminal Law**

This course is an introduction to the basic elements of, and defenses to, criminal liability. Topics include the basic crimes against the person (homicide, assault, battery, rape, etc.), the basic crimes against property (larceny, fraud, embezzlement, burglary, etc.), and the basic defenses and justifications (diminished capacity, self-defense, mistake, etc.).

Offered at Online, Providence

3 Semester Credits

### **LAW3055 International Business Law**

This course introduces the student to the principles of public and private international law. It addresses the legal problems of doing business in developed, developing, and non-market economy countries, together with the economic and political issues that commonly arise.

Prerequisite(s): LAW2001.

Offered at Online, Providence

3 Semester Credits

### **LAW3065 Employment Law**

This course acquaints students with the different legal rules governing the employer/employee relationship. Topics include employment discrimination, sexual harassment, employment contracts, labor relations, Fair Labor Standards Act, The Americans with Disabilities Act (ADA), OSHA and vicarious liability. There is heavy emphasis on discussion and written work.

Prerequisite(s): LAW2001 or LAW2010.

Offered at Online, Providence

3 Semester Credits



### **LAW3080 Cyberlaw**

This upper-level course confronts students with the changes and adaptations of U.S. law resulting from the ascendancy of computers and the Internet. Fundamental common law and statutory assumptions about the nature of person, place, thing and action are called into question by data transactions between computer memories, unprecedented wealth concentrated in the development and distribution of software, widespread access to large quantities of data with minimal quality control, and the blurring of geographical boundaries. Students examine how contract formation, defamation, obscenity, copyright, trademark, privacy and other legal issues have been changed by technology and the online world.

Prerequisite(s): LAW2001.

Offered at Online, Providence

3 Semester Credits

### **LAW3610 Cannabis Law**

This course provides an understanding of the legal issues that affect any business involving the sale/distribution of cannabis as well as any of its derivatives. The course concentrates on the following topics: the different legal frameworks existing between the federal government and the states; the legality of THC products (cannabis, CBD oil, hemp, etc.); medical marijuana versus recreational marijuana (including edibles); banking/financing/intellectual property regulations; siting/leasing regulations; and the taxing systems imposed on marijuana related businesses.

Prerequisite(s): LAW2001, sophomore status.

Offered at Providence

3 Semester Credits

### **LAW5410 Food Law and Policy**

This advanced course examines legal rules, especially federal statutes and regulations, that impact the production, processing, transportation, labeling, advertising and sale of food. These legal tools touch on a wide variety of food-related concerns, including but not limited to genetically modified and organic food, labels and advertising, obesity and malnutrition, food equity and animal welfare, and environmental practices. Special attention is paid to the power of government to regulate various aspects of food, and to the limitations on that power.

Prerequisite(s): LAW2001 or LAW2005.

Offered at Online, Providence

3 Semester Credits

### **LAW6000 Law for Accountants**

This course offers the student a practical approach to understanding the complexity in the area of law and the implications upon the accounting profession. Discussion centers on the study of business organizations, contracts, bankruptcy, wills and estates, antitrust, employment law and products liability. Emphasis is placed on the legal liability of the accountant and professional responsibility. Students gain an understanding that the accounting profession is a self-regulating industry whereby theory and reporting requirements are initiated, developed, implemented and enforced by the accounting profession.

Prerequisite(s): LAW2001 or LAW2010, completion of required accounting prerequisite and foundation courses.

Offered at Online, Providence

3 Semester Credits

## **Leadership Studies (LEAD) Courses**

### **LEAD1010 Foundations of Leadership Studies**

This course draws upon a variety of research-based theories and applications germane to the study of leadership. Theoretical paradigms of motivation are discussed and applied to communication styles, decision making, risk taking, team building, conflict resolution, negotiation, diversity and inclusion. Leadership traits, leadership styles and roles are examined in the context of ethics, power and social responsibility.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **LEAD2012 Power and Leadership**

This course provides an overview of the nature and types of power and their connections to leadership. Relationships between concepts and practices of power, and their role and influence across a number of spheres, settings, roles and relationships are explored. Since issues of power present unique challenges in today's complex, networked and digitized world, special attention is given to the topics of supportive communication, relationship building, organizational politics and the effective management of power relations.

Prerequisite(s): LEAD1010 or SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

### **LEAD2080 Sustainability, Community Engagement & Leadership**

This course focuses on sustainability, community engagement, leadership and global citizenship through interdisciplinary course materials and cultural immersion. Interdependence, as it is reflected through social, political, economic, spiritual and environmental perspectives, is examined. Students use this systems perspective to understand the complex factors that contribute to the challenges and proposed solutions to community and individual health, specifically in Nepal. This course introduces the Kevin Rohan Memorial Eco Foundation (KRMEF) in Nepal as an innovative and replicable model for sustainable community and leadership development. KRMEF represents an ecological systems (biodynamic) model for addressing the needs of the people and communities specifically in the Kathmandu Valley region of Nepal, with relevance to similar concerns within a global context. While in the country, students experience the impact of complex development problems in Nepal through readings, structured site visits and excursions, cultural events, and community interaction. Ongoing, intentional reflection provides opportunities for participants to engage with, synthesize and act upon what they learn from their experiences and how that relates to academic, professional, civic and leadership interests.

Offered at Online, Providence

3 Semester Credits

### **LEAD3020 Creative Leadership**

The objective of this course is to develop and enhance one's own creativity, allowing each individual the opportunity to become a more productive leader of tomorrow. Extensive classroom participation and a variety of activities allow each student to experience personal growth and influence the growth of others.

Prerequisite(s): LEAD1010 or SEE2015.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Liberal Studies (LIBS) Courses**

### **LIBS4900 Liberal Studies Capstone: The Great Conversation**

This seminar draws on coursework from the Liberal Studies major and synthesizes it in the form of a research-based project on an original topic. Projects focus on substantive issues that explore the seminal works of Western civilization and the questions that they raise: Where did we come from? What does it mean to be free? What is justice? What is truth? What does it mean to be virtuous? Students explore substantive areas of scholarship and creative works throughout history encompassing philosophy, politics, science, religion, literature, film, music and the arts. Through problem-based learning, students develop the characteristics of self-reliant thinkers and learners and demonstrate their capacity to cultivate a rich intellectual experience.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Literature (LIT) Courses**

### **LIT1020 Introduction to Literary Genres**

This survey course prepares students to read, analyze and write about the major literary genres: poetry, fiction and drama. Students are exposed to a variety of forms and styles in each genre from a wide range of historical periods. Literary selections represent a diverse group of classic and contemporary writers, poets and playwrights.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT2030 African-American Literature**

This course examines African-American literature in a variety of genres from its conception in the days of slavery to contemporary times. Emphasis is on the historical and social significance of major works of African-American literature as well as the unique artistic contributions of African-American authors to the American literature canon. Literary movements are examined in their historical, political, intellectual and social contexts through a number of contemporary theoretical perspectives.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**LIT2050 American Literature II**

This course surveys American literature from Reconstruction to the present. Literary movements are examined in their historical, political, intellectual and social contexts through a number of contemporary theoretical perspectives. Students engage with major issues, past and present, as constructed and revealed through literary texts. Students study representative authors, poets and playwrights working in a variety of forms, styles and genres. Special attention is paid to the formation of the American literary tradition.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**LIT2070 Studies In The Short Story**

This course prepares the student to read, analyze, and write about the short story from different critical perspectives. Students study representative authors and are exposed to a variety of forms and styles of the short story from a wide range of historical periods.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**LIT2090 Multi-Ethnic Literature**

This course introduces students to fiction, autobiography, poetry, drama and many other forms of literature by writers from many racial and ethnic backgrounds including African American, Asian American, Latino, Chicano, American Indian and more. Emphasis is placed on the historical context in which the writings have evolved as well as the problems encountered by these various cultural groups as they intersect with American culture. Through reading the literature of many cultures and countries, students search for the common themes that unite humanity across the globe.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**LIT2140 British Literature Survey I**

This course surveys British literature from the Middle Ages through the Renaissance, Restoration and 18th century. Literary movements in their historical, political, intellectual and social contexts are explored through a number of contemporary theoretical perspectives. Students discuss major issues, past and present, as constructed and revealed through literary texts. Students study influential works from diverse authors such as Chaucer, Malory, Spenser, Shakespeare, Wroth, Bacon, Milton, Behn, Swift and Burney, among others, who present a range of views on gender, class, race, religion, politics and other controversial subjects.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**LIT3001 Studies In Drama**

This is an introductory course in the history of drama. Critical analyses of literary elements are conducted in the context of genres from the ancient Greeks to contemporary drama. Both written works and performances are examined and analyzed.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**LIT3015 Food In Film And Literature**

This reading, screening and discussion-intensive course explores representations of food in both literature and film. Students examine how narratives are framed, how characters are developed, and how reoccurring themes of food are used symbolically and metaphorically. Utilizing a wide range of influential texts and select films, our inquiry includes extensive analyses of the role that food plays in contributing to the development of our cultural and personal identities as well as creating and maintaining communities. The readings and films provide a comprehensive overview of different time periods to allow for analyses of themes such as gluttony, desires and appetites, and celebrations of nature's bounty among many others.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT3018 Honors Seminar: Food in Film and Literature**

This reading and writing-intensive Honors seminar traces the use of food as both subject and metaphor in literature and film throughout the ages. The first half of the course examines the relationships between food and philosophy, food and politics and food and history as portrayed through a wide variety of literary and film genres. The second half of the course focuses on analytical comparisons of food-centered texts and their film adaptations. Through discussion of course readings & screenings students develop an analytical perspective on the study of food in film & literature that they apply to a research project of their own design.

Prerequisite(s): ENG1027, honors status, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**LIT3030 Studies In Poetry**

This course prepares the student to read, analyze, and write about poetry from different critical perspectives. Students study representative poets and are exposed to a variety of forms and techniques of poetry from the Middle Ages to the contemporary.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT3120 Masterpieces of World Literature**

This course provides students with the opportunity to explore the texts that have shaped and continue to shape the literary canon, starting with ancient texts dating from the earliest works of literature to major works from many historical periods and civilizations. Students read and think critically about literary works to examine them carefully. Close readings allow students to gain insight into the works in their cultural/historical contexts and of the enduring human values and conflicts that span various literary traditions.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**LIT3180 The Graphic Novel**

This course serves as an introduction to critical methods in popular culture studies, with a focus on the graphic novel as cultural product and practice. Students explore the role graphic design plays in storytelling, as well as the ways in which meanings emerge in several celebrated texts of the graphic novel genre. Through diverse theoretical perspectives, students explore notions of identity, character interaction, intertextuality, comic art and caricature within both fictional and autobiographical works.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT4010 Science Fiction**

This course analyses the evolution of science fiction from its early origins to the present. Fantastic and futuristic elements of plot are examined as social commentary. A variety of styles in several genres include traditional science fiction, fantasy, horror and cyberpunk.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

#### **LIT4040 Shakespeare**

This course presents an introduction to the world of William Shakespeare by examining the historical contexts of his work, his life and his theatre. Works read and analyzed during the course are representative of Shakespeare's achievements in history, tragedy, comedy and poetry. Students trace Shakespeare's continuing relevance and influence on modern art and thought.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Online, Providence

3 Semester Credits

## **Management (MGMT) Courses**

#### **MGMT1002 Contemporary Business Management II**

This course provides students with the opportunity to apply business knowledge within the context of simulations, business projects and/or business cases while developing personal and professional planning skills, as well as written and oral communication skills. The appropriate use of decision-making frameworks and best practices to stimulate creativity and innovation are reviewed. Students are introduced to the concepts and skills associated with management, group facilitation, team development and leadership as applied to contemporary business issues.

Prerequisite(s): BUS1001 or MGMT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **MGMT2001 Human Resource Management**

Human Resource Management (HRM) is the strategic approach to the management of people in an organization. Organizational Behavior (OB) is the way people think, work and behave in an organization. The field of HRM is reliant on OB; it considers the behavior of individuals and groups within organizations and explores how to effectively lead employees to achieve the organization's goals. This course provides students with knowledge, skills and understanding of HRM and OB to prepare them for using organizational behavior knowledge to practice effective management of human resources (employees). Topics in HRM include job design, recruitment, selection, training and development, performance appraisal, compensation, compliance with employment regulations and laws, labor relations, and strategic human resource management. Topics in OB include motivation, learning, and organizational culture.

Prerequisite(s): BUS1001 or EVNT1001 or FSM1001 or HOSP1001 or SEE1001 or SPM1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **MGMT2020 Organizational Dynamics**

This course prepares students for changing workplace dynamics and professional, personal and group behaviors in organizations. In this course students apply business and organizational behavior knowledge within the context of interactive business projects and/or business case(s) while developing their team facilitation skills. Students are introduced to and practice concepts and management skills associated with team facilitation, team development, project management, decision-making, providing/receiving feedback, negotiating, communication, leadership, and personality/dispositions.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **MGMT2030 Operations and Supply Chain Management I**

This course provides an overview of the fundamentals of operations and supply chain management in the manufacturing and service sectors. The course reflects the changing face of operations from an internally focused supportive function to a strategic part of the enterprise value chain. Topics include the supply chain model, product and process design, project management, process analysis, total quality management, and sustainability.

Prerequisite(s): FIT1040 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **MGMT2040 Purchasing and Supply Chain Management**

This course examines the dynamic field of production and the management of the entire supply chain. Major areas of study include purchasing's role in the organization, global sourcing, new models for supplier involvement and management, and new product development. The role of purchasing and total quality management is a pervasive theme throughout the course. Students are exposed to the theoretical and practical issues to prepare them for the National Association of Purchasing Managers (NAPM) certification exam.

Prerequisite(s): BUS1001 or ENTR1001 or ENTR2001 or MGMT1001.

Offered at Charlotte, Providence

3 Semester Credits

#### **MGMT3005 Workforce Planning and Deployment**

This course explores the human resource processes of workforce planning, including sourcing, recruiting, hiring and retaining and mobilizing talent within the organization. Subtopics include developing and evaluating sources of talent, succession planning, and the legal environment's impact on such managerial actions.

Prerequisite(s): MGMT2001.

Offered at Online, Providence

3 Semester Credits

#### **MGMT3015 Labor Relations**

This course explores labor relations within organizations and the processes used to clarify and manage relationships with employees, specifically in unionized environments. Emphasis is on assessing how union, governmental and workforce policies, practices, history and functions relating to labor management in the public and private sectors affect business and human resource management.

Prerequisite(s): MGMT2001.

Offered at Online, Providence

3 Semester Credits

#### **MGMT3030 Managerial Technology**

This course surveys the relationship of technology with the managerial process, strategic competitiveness, operational effectiveness and the business enterprise. The course explores technologies typically available to business managers, and how those technologies can be leveraged to increase organizational and professional success. Students are also exposed to approaches and managerial practices through demonstrations, case studies, simulations and experience-based exercises.

Prerequisite(s): FIT1003 or FIT1040, MGMT2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **MGMT3035 Operations and Supply Chain Management II**

This course expands on students' knowledge of operations and the supply chain by introducing students to qualitative and quantitative methodologies used by operations and supply chain professionals. The course covers key concepts in the areas of forecasting, capacity, utilization, scheduling, inventory management, and planning including MRP and ERP. Students apply these concepts and their associated methodologies to common problems faced by organizations.

Prerequisite(s): MATH2001, MGMT2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

#### **MGMT3040 Process and Quality Management**

This course thoroughly examines the concept of quality management as well as tools and approaches used to manage quality improvement efforts in organizations. Students are exposed to the theoretical and practical issues to prepare them to initiate quality and process improvements in their business careers, suitable for operations management and other functional professionals.

Prerequisite(s): MGMT2030, MATH2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT3045 Logistics**

This course acquaints students with the basic concepts of product distribution and the terminology used in the logistics field. The course recognizes the changing face of logistics from an internally focused supportive function to a strategic part of the enterprise value chain. Students learn the process of planning effective product distribution and discuss methods of transportation and traffic management techniques. Emphasis is on the following major areas: the supply chain model, product and process design, project management, inventory and inventory management, warehouse management, global logistics and sustainability and risk management.

Prerequisite(s): MGMT2030.

Offered at Online, Providence

3 Semester Credits

**MGMT3050 Compensation, Benefits and Total Rewards**

This course explores the dynamic profession of compensation, benefits and total rewards management. Topics are explored through the perspective of the human resources professional, which provides a view of the ever-changing world of employee reward development, government and regulatory changes, and expectations of both the employer and employee in a competitive business arena.

Prerequisite(s): MGMT2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT3055 Procurement**

This course acquaints students with the basic concepts of purchasing and supply chain management. Emphasis is on the organization and operation of the procurement department, principles and procedures in purchasing processes, strategy, and planning (ERP, MRP, WMS, etc.). This course covers price considerations, quality, commodity management/sourcing, the negotiation process, legal aspects in purchasing, social responsibilities/ethics, supplier selection, supplier management and e-commerce/technology management.

Prerequisite(s): MGMT2030.

Offered at Online, Providence

3 Semester Credits

**MGMT3060 Training and Development**

This course explores training and development in a competitive global business environment. The course reviews research findings that support training and development as an essential component of effective business performance. Students explore the relationship between business strategy and strategic training and development, as well as the relationship between learning theory and effective training and development. Students design and deliver training in the classroom setting.

Prerequisite(s): MGMT2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT3070 Special Topics in Human Resource Management**

This course is a forum for special issues and emerging areas within the field of human resource management. Students examine current research and commentary on the selected special topics. Practical skill exercises (such as in-class exercises), case studies, site visits and visiting experts in the field enhance learning. Students apply theory and concepts from earlier coursework, and benefit from the opportunity to think critically and assess current human resource issues.

Prerequisite(s): Two of the following: MGMT3005, MGMT3035, MGMT3050, MGMT3060.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT4001 Process Planning and Control**

This course offers a quantitative approach to operations and supply chain management problems. Key areas of focus include the management of waiting lines, forecasting, inventory, location/scheduling and project management. Particular emphasis is placed on the application of tools and techniques to solve problems such as linear programming and other methodologies widely used in business settings.

Prerequisite(s): MGMT2030 or MGMT3035, MGMT3040.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT4020 Strategic Management**

This course provides students with the fundamentals of business strategy. The first part of the course addresses environmental analyses and the tools used to assess these environments. The second part of the course addresses the different strategies a firm may choose at both the firm- and business-unit level, and how the chosen strategic position is strengthened through internal alignment. The third part addresses the theories behind developing sustainable competitive advantage. Leadership and corporate ethics are also discussed.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT4030 Senior Business Capstone**

This capstone course requires students to synthesize knowledge gained from previous coursework in business strategy, operations, finance, production, marketing, information technology, human resource management and corporate social responsibility to make decisions in a simulated business environment.

Prerequisite(s): MGMT4020, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT4050 Contemporary Issues in Operations and Supply Chain Management Strategy**

This course examines the operations and supply chain function as an organization's source for developing a sustainable, competitive advantage. The concept of operations is viewed from the perspective of the firm's entire value chain. The impacts of technology, globalization and contemporary issues are examined in depth. Through the use of business cases and/or simulations, students apply operations management techniques and tools to determine strategies and make operational and supply chain decisions.

Prerequisite(s): BUS3010 or MGMT4020, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT4070 Strategic Human Resource Management**

This capstone course focuses on the strategic deployment of human capital to support organizational strategy. Students engage in case study and team exercises to develop human resource strategies and arguments to advocate for their implementation. Students are asked to assess the competitive environment and align human resource systems behind these strategies while building a high-performance work system. Students are also asked to identify the appropriate changes within the human resource systems to support day-to-day operations.

Prerequisite(s): MGMT4020, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MGMT4140 Human Resource Management Seminar**

This seminar course focuses on emerging areas within the field of human resource management and the strategic deployment of human capital to support organizational strategy. Students research and examine these areas within the context of strategic and human resource management. Students then apply concepts from earlier coursework and assess the emerging area while identifying the appropriate changes within the human resource management practices to support day-to-day operations.

Prerequisite(s): MGMT3050, MGMT3060, junior status.

Offered at Online, Providence

3 Semester Credits

**MGMT5323 Communication and Conflict Resolution**

This course examines the underlying sources of conflict in professional settings and interactions, and how mindful, productive communication helps to minimize both tension and anxiety in communication exchanges. This course introduces daily organizational conflicts and how they impact organizational performance and outcomes. Students assess how communication can effectively alter their perceptions of conflict and how it can be used as a positive force for change and growth. Additionally, students diagnose a significant conflict in their own professional lives and develop an effective communication plan that eliminates workplace conflict that impacts the organization's overall effectiveness.

Prerequisite(s): COMM5200.

Offered at Online, Providence

3 Semester Credits



**MGMT5350 Talent Development**

This course examines the specific elements that go into the identification of organizational talent and the methods by which that organization attracts, develops, engages and retains quality employees. Strategies to improve required competencies, encourage professional development and maintain the motivational levels of high-performing employees are also discussed.

Offered at Online, Providence

3 Semester Credits

**MGMT5575 Operations Management**

This course provides students with a broad introduction to the field of operations management in a realistic and practical manner. The course blends accounting, industrial engineering, management science and statistics to assist in solving real-world operations management problems. The course integrates case studies in many of the operations management areas of study, such as product design, quality, globalization and inventory control.

Prerequisite(s): EMG5010 or MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT5800 Effective Leadership**

This course reviews how mid- to upper-level managers can become effective leaders by drawing on knowledge of the major concepts, theories and skills used in the field of organizational behavior. A major focus of this course is on developing leadership diagnostic and problem-solving skills through numerous analyses of situations that mid- to upper-level executives are likely to encounter and require their attention. Throughout this course, particular emphasis is placed on the ethical, international and multicultural dimensions of organizational leadership. Students conduct research on selected topics in the fields of leadership and organizational behavior. Students also participate in a wide variety of self-assessment exercises that will help them better understand what they need to do next to become more effective leaders.

Offered at Online, Providence

3 Semester Credits

**MGMT5850 Women and Leadership in Society**

This course is designed to offer students a critical analysis of interpersonal, social and cultural barriers related to women and leadership positions/roles within organizations in the US. Through a review of selected autobiographical stories of female leaders and historical data that explains the challenges faced by women within society, students develop a greater understanding of issues related to female leaders. In addition, students study the existing biases and expectations found in current organizations in order to identify ways to reduce the gender divide within their organizations.

Prerequisite(s): MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT5885 Workplace Emotional Intelligence**

In today's business world, communication skills that demonstrate clarity and conciseness are often considered among the most valuable to possess. However, another kind of communication skill has become significantly important in contemporary organizational life. Emotionally intelligent communication is the ability to read individuals and successfully gauge their emotional tenor as they deal with others in a variety of workplace challenges. This course examines what emotionally intelligent and mindful communication is and how the practice of bringing presence to everyday work communications can be applied to numerous business interactions. The benefits and challenges associated with this kind of communication are also explored. Lastly, students are introduced to a number of tools and techniques that can enhance their mindful approach to communication and help build the interpersonal relationships critical to organizational success.

Prerequisite(s): MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT5900 Ethics, Corporate Social Responsibility and Law**

This course challenges students in making difficult and necessary ethical choices on the basis of limited information and frequent conflicting values. In their future roles as professionals in a chosen field, students face moral temptation and ethical dilemmas that resist easy answers or simple formulas for action. A major goal of this course is to develop an analysis of the important role of all stakeholders in a corporation. The firm's interaction with its environment, navigation through national and international laws reconciling various legal obligations, and impact as it discharges its responsibility to the world and local community is extensively shared through case studies and community service projects.

Prerequisite(s): Completion of required foundation courses or EMG5010, EMG5020.

Offered at Online, Providence

3 Semester Credits

**MGMT6030 Entrepreneurship**

This advanced management course enables students to gain competence in the specific techniques used by successful entrepreneurs. This course examines entrepreneurial myths and realities, as well as the concept of corporate entrepreneurship.

Prerequisite(s): MGMT5800, RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

**MGMT6056 Contemporary Leadership Issues and Strategies**

Building on concepts and skills acquired in the core leadership course (MGMT5800), this is an advanced leadership course that explores in depth the topic of how to deal with the multifaceted nature and challenges of contemporary leadership. Key themes in this course include identifying contemporary leadership issues and exploring the pros and cons of using different strategies to address these issues. Primary emphasis is on learning techniques that students can use to continue to develop their leadership skills as they progress in their respective careers. Employing a seminar/workshop format, students are required to research strategies for dealing with important contemporary leadership issues that they will pursue in depth and then present to the class. By the conclusion of this course, students are required to describe in writing the particular strategies, skills and sensibilities that they will need to continue to develop in order to fully realize their potential as leaders.

Prerequisite(s): MGMT5800, RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

**MGMT6150 Coaching and Consultation Skills**

This course examines the theories that undergird the practices of executive coaching and organizational consulting. Topics covered include coaching and leadership principles, relevant competencies and communication skills, and contemporary ethical and legal issues. Students investigate applicable assessment tools and resources to apply effective ethical and professional principles of coaching and consulting to practice through the analysis of economic, market and competitive forces that impact business strategy and performance.

Offered at Online, Providence

3 Semester Credits

**MGMT6210 Project Management**

This course covers all knowledge areas in the project management body of knowledge (scope, schedule, budget, risk, procurement, communication, human resources and quality) and combines theory with practice. Students analyze real-world project scenarios and apply concepts of knowledge areas, tools and techniques to create concrete project management artifacts and solve typical problems that arise in business. This course provides industry best practices and current trends, going beyond the standard project management textbook material. Students work in teams to experience project management situations and practice leadership, communication and negotiating skills.

Prerequisite(s): EMG5010 or MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT6225 Team Dynamics**

In today's world, teams are a keystone of work life and managing change. The process of establishing and leading effective teams involves thoughtful attention to diverse personalities, perspectives and skill sets in addition to many other sociocultural factors. This course analyzes the impact of individual, group and organizational variables on team dynamics, and vice versa. Students critically discuss key theories, research and principles on teamwork and apply them to address an array of problems faced in modern actual and virtual team settings through case studies, as well as group and individual projects.

Offered at Online, Providence  
3 Semester Credits

**MGMT6310 Designing & Managing Supply Chains**

This course examines the logistics management and components, design and operations, and administration and risk of supply chains, including technology. Areas covered include supply chain theory and practice, logistics and planning, procurement and buying, information management, inventory management, transportation infrastructure, network and operations design, and performance and risk measure. Upon completion of the course, students have an overall understanding of how to build and operate an efficient supply chain and understand the individual components of the chain.

Prerequisite(s): MGMT5575.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6320 Global Strategic Sourcing**

In this course, students learn to design, build, evaluate and manage a global sourcing network for a business. Focus includes theories of how strategic global sourcing benefits the firm including make/buy analysis, supplier evaluation and other key aspects. The majority of the course examines the components of global sourcing networks and how to build and combine these components into a full strategic sourcing supply model.

Prerequisite(s): MGMT5575.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6330 Global Logistics**

This course examines the practice of global logistics. Students learn the aspects of current logistical practices, how logistics incorporates information technologies, the impact of logistics on financial measures of the firm, and how logistics are used in inventory management, facility location, warehouse operations and transportation management. Focus is on logistics in the global market; special attention is given to the application and understanding of international issues in the field.

Prerequisite(s): MGMT5575.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6340 Lean Production and Quality Control**

This course examines various quality control techniques and methods with a concentration on achieving lean efficiency in all areas of operations. Areas covered include lean thinking, value-stream mapping, Gemba Kaizen, continuous process improvement methods, Kaikaku methods, work flow analysis, and error proofing operations and supply chains. Upon completion of the course, students are prepared to take the Lean Bronze Certification Exam.

Prerequisite(s): MGMT5575.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6440 Project Management Simulation I**

This course is the first of two courses designed to be an advanced successor to MGMT6210. It allows students to apply their knowledge of project management to real-world projects in a simulated environment. Students are assigned projects at the beginning of this course and then create all of the required project management artifacts. They manage change and measure results of the deliverables throughout the term. Project "updates" are submitted each week and reviewed by the instructor (project sponsor). This first of two courses closes with the project sponsor changing scope of the project.

Prerequisite(s): MGMT6210.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6450 Project Management Simulation II**

The second of two advanced courses, this course allows students to apply their knowledge of project management to real-world projects in a simulated environment. This course continues to build on the project assigned in Project Management Simulation I by adding the business components of human resource management, communications management and procurement management after the initial scope was modified at the conclusion of Project Management Simulation I. The course concludes with project closure procedures while continuing to manage change and measure results of the deliverables at the end of the term. Project "updates" are submitted each week and reviewed by the instructor (project sponsor).

Prerequisite(s): MGMT6440.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6800 Business Policy and Strategy**

This interdisciplinary capstone core course focuses on how to create, identify and manage competitive advantage within an organization. Students are encouraged to use skills and insights developed during prior coursework as they strategically analyze contemporary business issues and cases. Throughout the course, particular emphasis is placed upon developing both a strategic perspective and a global viewpoint. Students formulate strategies and tactics that are appropriate for the different organizations under consideration. Readings, exercises and class discussions focus on real-world examples of strategic issues that students are likely to encounter as managers of organizational units. Tools and techniques for performing strategic analyses and stimulating innovative problem solving in a highly competitive global environment are covered in detail. Students complete a major comprehensive project that is graded collaboratively.

Prerequisite(s): Completion of required core courses.  
Offered at Online, Providence  
3 Semester Credits

**MGMT6810 Graduate Seminar in Strategic Management**

This elective seminar offers a review and discussion of the contemporary literature on management and strategy using source documents from the most recent professional publications and academic research. Students conduct and present in-depth analyses of selected topics in management science, including relevant research from organizational and social psychology. Through readings and discussions, students become familiar with evidence-based approaches that can lead to better decision-making processes. The wisdom of many management fads and conventional wisdom are questioned through examinations of the research in those areas.

Prerequisite(s): MGMT6800 (or concurrent).  
Offered at Online, Providence  
3 Semester Credits

## Marketing (MRKT) Courses

**MRKT1001 Marketing Foundations**

In this course, students learn the dynamic role that advertising, marketing, media and branding play in today's business, retail and public sector environments. Emphasis is placed on all aspects of integrated marketing communications and understanding the relationship between the brand and the consumer. Marketing fundamentals across multiple forms of media are explored in this course. Industry best practices and innovative marketing strategies are analyzed across digital and traditional forms of media.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**MRKT1002 Consumer Behavior**

Consumer behavior is a social science that applies sociology, psychology and marketing to examine the motivations and influences of purchase behavior. Students examine the various facets of the consumer decision process, including need recognition, consideration, conversion, purchase and post-purchase evaluation and digital aspects of the consumer decision journey.

Prerequisite(s): MRKT1001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits



### **MRKT1011 Key Account Management**

Students learn about buying processes and personalities, and how to target, prospect, approach and interview customers in order to determine unmet needs and potential opportunities. Consultative selling, learning about the customer before talking about the product, is explored in this course. Students learn through role-plays and skills-based training to build relationships with customers and other business partners in a relationship-oriented world.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT2050 Marketing Research**

This course provides students a broad overview of marketing research methods and the marketing research industry. Through both qualitative and quantitative research techniques students familiarize themselves with the appropriate uses and limitations of marketing research. Students increase their understanding of various marketing research techniques and gain insights into data-driven decision-making.

Prerequisite(s): MRKT1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3002 Brand Design**

This is an advanced course with an emphasis on corporate brand identity development. The course sequence focuses on the development of research, strategy, and design, in particular the areas of organization, culture, and identity. Students study how complex organizations are defined by their public identities, and how those identities can be strategized and designed with the goal of applying the concepts to a client-based project. Topics include a five-step brand identity process and a showcase of best practices. Project-based activity include brand research, logo development, product packaging, marketing and advertising collateral, web branding, and broadcast advertising development as applicable to client need.

Prerequisite(s): ADVC1010 or MRKT2050 or MRKT3005, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3005 Brand Marketing**

This course examines the role of a brand as an asset to an organization and the advantages of creating strong brands. Emphasis is placed on the creation, measurement, and strategic applications of brand equity. Topics covered include choosing brand elements, designing supporting marketing programs, leveraging secondary associations, building brand portfolios, and adjusting brand strategy over time and geographic boundaries. Particular emphasis is placed on the role of promotional mix elements in the communication of brand equity.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3011 Data-Driven Marketing**

This course is designed to give students an understanding of the elements of data-driven marketing as an integrated part of a total marketing program. Upon completion of this course, students should have an understanding of databases, data-driven marketing, email marketing, social media advertising, direct mail, catalog marketing and other forms of electronic media as they are used in data-driven marketing programs.

Prerequisite(s): MRKT1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3020 Product Development**

This course examines the role of product development as a function of an integrated marketing system. Students explore the synergy of design and technology to create consumer value. Topics include innovation, concept generation, global sourcing, and manufacturing processes.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3025 Business-to-Business Marketing**

This course is a study of the development and maintenance of relationships in the business-to-business marketing channel. Special emphasis is on understanding various forms and appropriate uses of power in the channel. Topics also include the marketing of services as well as tangible goods in the business-to-business channel.

Prerequisite(s): BUS1001, junior status.

Offered at Charlotte, Providence

3 Semester Credits

### **MRKT3033 Product & Brand Management**

This course examines the role of product and brand management as an essential asset to an organization and the advantages of creating, developing and managing strong relevant products of value and the relation of its value to the organization's supply chain. Product and brand management is designed to improve student's marketing skills and understanding of specific marketing topics, as well as big picture issues of how various aspects of marketing fit together from a brand equity perspective and the nature of decision-making required to build and manage brand equity.

Prerequisite(s): BUS3010, MRKT2050.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3045 Social Media Marketing**

This course focuses on the strategic use of current and future social media platforms. Students develop a social media marketing plan using the major social media platforms and user-generated content tools for business. Students explore the use of social media for creating personal and professional branding goals with measured results. Students are expected to have a basic understanding of various online and offline marketing strategies.

Prerequisite(s): FSM3075 or HOSP3075 or MRKT1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3050 Contemporary Sales in the Global Economy**

In this course students view the sales process in the global economy. In addition, students explore the selling profession and sales management. Students demonstrate expertise in important sales management responsibilities such as territory management, account management, leadership, influence, motivation, recruiting, selection, training, compensation, forecasting and budgeting. Students learn through role-play and skills-based training to build relationships with customers and other business partners in a relationship-oriented world.

Prerequisite(s): ENG1030, MRKT1001, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3055 Survey Research**

This course provides an overview of contemporary topics in quantitative research such as sampling, survey design, scale measurement, and data analysis. Students utilize current technology and software tools to create, distribute, analyze and interpret quantitative data gathered via survey research. The students gain an understanding of modern market research techniques used to make sound business decisions.

Prerequisite(s): MRKT2050, MATH2001, junior status.

Offered at Charlotte, Providence

3 Semester Credits

### **MRKT3085 Marketing Analytics**

This course is designed to teach students how to read and analyze marketing dashboards, which provide key insights about consumers that align with organizational objectives. Students compare and contrast different types of marketing metrics categories. Students learn how to understand brand loyalty from the customer's data profile. Students gain experience with dashboard systems, which better prepares them for positions in the world of big data and the marketing analytics field.

Prerequisite(s): FSM3075 or HOSP3075 or MRKT1001, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MRKT3150 Special Topics in Marketing**

This course is a study of selected current topics in the field of marketing. This course helps students understand how marketing impacts and is part of consumers, business and society. Emphasis is on exploring current literature, advanced problems and research tools applicable to the chosen topic. Focus is on a different area, issue or theme each year, depending on student interest. The topic area may not be usually found in the conventional classroom course. The description for each topic is noted in each of the specific course outlines.

Prerequisite(s): MRKT1001, junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **MRKT4030 International Marketing**

This course explores various differences in cultural, economic and legal factors as they relate to the marketing process. This is a systematic treatment of marketing on a global scale, extending basic principles into foreign marketing requirements. Students learn to identify and evaluate problems in the international marketplace and propose solutions and implementation strategies to resolve those problems.

Prerequisite(s): BUS3010 or MRKT3005, junior status.  
Offered at Charlotte, Providence  
3 Semester Credits

### **MRKT4055 Global Strategic Marketing**

This capstone course is designed to develop the students' ability to implement an exciting and cohesive marketing strategy, adaptable to a changing business environment. It is a necessity for meaningful career preparation and placement of students in the field of marketing. This capstone course requires participants to develop skills essential to anticipating and responding to constantly changing needs of customers and markets. It is a thorough examination of marketing strategy, using a combination of text and case materials.

Prerequisite(s): BUS3010 or MRKT3005, MRKT2050, senior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **MRKT5500 Strategic Marketing**

This course is designed for students who can apply skills and knowledge gained through previous courses or experience. The course emphasizes issues of setting a viable marketing strategy through segmentation, targeting and positioning in today's competitive global marketplace. Through case studies, course readings, lecture and student presentation opportunities, students address a wide range of marketing problems, many of which involve strategy. Additionally, through the cases and readings, students are exposed to a broad spectrum of marketing environments such as products and services or consumer markets versus business markets. The role of brand management in today's competitive environment is presented.

Prerequisite(s): RSCH5700 or RSCH5800.  
Offered at Online, Providence  
3 Semester Credits

### **MRKT6010 Advertising and Promotional Strategies**

This course is focused on researching the marketplace, forecasting, planning, problem-solving and decision-making as they apply to promotional activities. Students investigate the various areas of promotion, learn the skills necessary to work with an outside agency or an internal department, and analyze the major components of personal selling, advertising, sales promotion and public relations. Topics discussed include advertising objectives, budget, media strategies, client-agency relationships and measuring advertising effectiveness.

Prerequisite(s): MRKT5500, RSCH5700.  
Offered at Online, Providence  
3 Semester Credits

### **MRKT6035 Brand Management**

This advanced marketing course focuses on the role of brand management in organizations, both large and small. A key component of this course is the historical development and current evolution of brands. The role of technology is explored. Current issues in brand management are an integral part of this course.

Offered at Online, Providence  
3 Semester Credits

### **MRKT6125 Marketing in the Digital Environment**

This course is designed to give students an understanding of the elements of data-driven marketing as an integrated part of a total marketing program. Upon completion of this course, students should have an understanding of databases, data-driven marketing, email marketing, social media advertising, and other forms of electronic media as they are used in data-driven marketing programs.

Offered at Online, Providence  
3 Semester Credits

### **MRKT6140 Digital Analytics for Marketing Managers**

This course is designed to teach students how to utilize marketing analytics to measure, analyze and manage marketing performance efficiency and cost-effectiveness. Students learn how to read and analyze marketing dashboards, which provide consumers insights and prepares them for positions in the world of big data and marketing analytics. Students learn how to understand brand loyalty from the customer's data profile and apply analytics tools such as web analytics, competitive analysis, customer journey, and market segmentation to inform marketing decisions, forecast sales, create customer profiles, and customize elements of the marketing program.

Offered at Online, Providence  
3 Semester Credits

### **MRKT6543 Social Media & Internet Marketing**

This course provides students with a broad view of the evolution of social media and internet marketing. Social media and internet marketing integration into a communication strategy are presented for both for-profit and nonprofit organizations. Students are challenged to execute social media and internet advertising and measure the results. Analyses of research include qualitative and quantitative examination. Students are expected to have a solid understanding of the traditional marketing mix and a working understanding of social media and internet advertising.

Prerequisite(s): MRKT5500.  
Offered at Online, Providence  
3 Semester Credits

## **Mathematics (MATH) Courses**

### **MATH0010 Pre-Algebra**

Students are assigned to this course based on placement tests given prior to taking MATH1020 or MATH1002. The course is designed to teach students the basic mathematical concepts and methods that will prepare them for studying college-level mathematics. Topics include a review of basic arithmetic, an introduction to algebra, and problem-solving techniques.

Offered at Charlotte, Online, Providence  
1.5 Semester Credits

### **MATH1002 A Survey of College Mathematics**

This course is designed to teach students the basic mathematical concepts and methods that will assist them in using mathematics in both their personal and professional lives. Topics include problem solving, sets, probability, statistics, consumer mathematics, and the rudiments of college algebra.

Prerequisite(s): MATH0010 or math placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **MATH1020 Fundamentals of Algebra**

This course provides students with a working knowledge of the basic elements of algebra. Topics covered include graphing, inequalities, exponents and roots, logarithms, and factoring, and the solution of linear, quadratic, logarithmic, rational and radical equations, as well as systems of linear equations.

Prerequisite(s): MATH0010 or math placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **MATH1030 Precalculus**

This course features the concepts and techniques essential for the study of calculus. Topics include functional notation; algebraic, trigonometric, exponential and logarithmic functions; analytic trigonometry; and matrix algebra.

Prerequisite(s): MATH1020 or math placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**MATH1035 Quantitative Analysis I**

This is a business-oriented mathematics course that features applications in algebra and differential calculus. Topics include linear, quadratic, exponential and logarithmic functions as well as matrices, linear programming, and derivatives.

Prerequisite(s): MATH1020 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH1040 Calculus I**

This course provides students with an introduction to the basic elements of differential and integral calculus. Topics include functions and limits, continuity, differentiation and its applications, relative extrema, and an introduction to integration.

Prerequisite(s): MATH1030 or math placement.

Offered at Providence

3 Semester Credits

**MATH2001 Statistics I**

This course is designed to provide students with the basic statistical concepts and techniques that will assist them in both their personal and professional lives. Topics include measures of central tendency and dispersion, probability distributions of both discrete and continuous random variables, sampling distributions, estimation theory, and an introduction to hypothesis testing.

Prerequisite(s): MATH1002 or higher (minimum grade of C in MATH1002 or MATH1020 required for hybrid sections of MATH2001).

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2002 Statistics II**

This course is a continuation of Statistics I. It is designed to provide students with the statistical concepts and techniques of inferential statistics. Topics include hypothesis testing; testing the difference between two means, two proportions and two variances; correlation and regression; Chi-square tests; analysis of variance; and nonparametric statistics.

Prerequisite(s): MATH2001 or MATH2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2010 Introduction to Biostatistics**

This course is an introductory statistics course with a focus on applications to biomedical and related fields such as nutrition, pharmacology, ecology, genetics, health and physiology. Topics include descriptive statistics, correlation and regression, statistical studies, elementary probability theory, probability and sampling distributions, estimation theory, and hypothesis testing.

Prerequisite(s): MATH1002 or MATH1020 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2020 Discrete Mathematics**

This course is designed to give students the basic mathematical concepts and methods that are prevalent in information science. Topics include logic, sets, relations, functions, algorithms, recurrence relations, elementary graph theory and trees.

Prerequisite(s): MATH1020 or math placement.

Offered at Online, Providence

3 Semester Credits

**MATH2035 Quantitative Analysis II**

A continuation of MATH1035, this course further examines the applications of the derivative such as maxima and minima, and marginal analysis. Both indefinite and definite integration are discussed along with their application to business and economics. Partial differentiation and functions of several variables are also presented.

Prerequisite(s): MATH1035 or math placement.

Offered at Providence

3 Semester Credits

**MATH2040 Calculus II**

This course is a continuation of MATH1040. Topics include a detailed treatment of the calculus of transcendental functions, formal integration methods, improper integrals, infinite series, and further topics in analytic geometry.

Prerequisite(s): MATH1040.

Offered at Providence

3 Semester Credits

**MATH2043 Ordinary Differential Equations**

This course introduces the student to the field of ordinary differential equations. Topics include methods for solving linear differential equations and their applications, Laplace Transform Methods, and the solution of systems of linear differential equations along with their applications.

Prerequisite(s): MATH2040.

Offered at Providence

3 Semester Credits

**MATH2220 Linear Algebra**

Linear algebra is a branch of mathematics that studies systems of linear equations, vector spaces, linear transformations, and the properties of matrices. Main topics covered include linear systems and their solutions, linear transformations, matrix and vector algebra, vector spaces, determinants, eigenvalues and eigenvectors. Students study a variety of interdisciplinary applications and related strategies throughout the course.

Prerequisite(s): MATH1035 or MATH1040.

Offered at Providence

3 Semester Credits

**MATH3040 Calculus III**

This course is a continuation of MATH2040. It is designed to provide students with a detailed treatment of the calculus of functions of several variables and vectors. Topics include vector algebra, vector-valued functions, partial derivatives, vector differential calculus, and the integration of vector fields including the Divergence Theorem and Stokes' Theorem.

Prerequisite(s): MATH2040.

Offered at Providence

3 Semester Credits

**MATH4900 Applied Statistics**

In this capstone course, students have the opportunity to apply knowledge obtained in statistics courses to further develop their research and analytical thinking skills. Students take part in three research projects: (1) critical analysis of existing professional statistical papers, (2) data collection in an attempt to support a personal hypothesis, and (3) collaborative research to support one side of an argument in a debate format.

Prerequisite(s): MATH1035 or MATH1040, MATH2002, senior status.

Offered at Providence

3 Semester Credits

**MATH5100 Statistical Methods**

This course features the statistical content tested on the Chartered Financial Analyst (CFA) certification exam. Topics include descriptive statistics, probability and probability distributions, sampling and hypothesis testing.

Offered at Online, Providence

3 Semester Credits

## Media & Communication Studies (MCST) Courses

**MCST1005 Introduction to Media & Communication Studies**

This is a survey course that introduces students to the study of media across time and space. The course focuses on the histories of various modalities, from speech and print to television and social media. Students also engage with a variety of concepts from the field of media studies, as well as with political-economic and social-cultural approaches to media research.

Offered at Charlotte, Providence

3 Semester Credits

**MCST1070 Writing for Radio, Television and Film**

This course teaches students how to successfully write for radio, television and film by introducing them to the key elements of production for each medium. Students become familiar with a broad range of standard formats, acquire fundamental industry terminology and closely examine a variety of creative techniques for producing professional copy. The course balances theory and practice, providing students with many concrete examples through which to learn the essential components of script writing, from commercials, PSAs and talk shows to documentaries and a host of fictional formats. Students demonstrate their understanding of important concepts and develop their own skills and talents by writing a series of short scripts for each medium. This is a writing-intensive course in which assignments are designed to cultivate the strengths and interests of each student, while always requiring the student-writer to consider the demands of form and content, as well as audience and marketability.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST1150 Introduction to Media Production**

This production course introduces students to several modes of professional practice in the field of media production. Through the creation of short works of visual and auditory media, students acquire practical, professionally focused experience as well as the necessary technological skills to effectively communicate their message to an audience. With emphasis on the craft of storytelling, this course provides students with the foundational experience they need to engage in more complex, independent media productions.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**MCST1210 Foundations of Digital Photography**

This introductory course provides students with an overview of important concepts, terminologies and best practices associated with digital photography. Through a number of hands-on exercises, assignment work, and discussions and critique, students discover the many overlapping connections between image-based communication and personal expression. While learning how digital cameras work, students become immersed in a critical discourse which allows them to identify and create more successful imagery. Topics include portraiture, food and event-based photography, documentary and technological considerations.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**MCST2010 Media Industries**

This course provides an in-depth look at the industrial contexts within which media professionals work. Of primary concern are the ways in which a range of factors (i.e., organizational philosophies, economic structures, regulatory contexts, technological innovations and day-to-day business practices) work to determine the ways in which media organizations operate, as well as how such contexts shape the kinds of media texts these industries produce. Ultimately, the course introduces future media professionals to concepts necessary for understanding and navigating the contemporary media landscape.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2030 Media Texts**

This course surveys key theories and methods for conducting analysis in relation to media texts. As such, this course tackles advanced questions of textual construction, meaning and interpretation. Students closely read various media texts from a variety of theoretical perspectives, such as semiotics, narrative theory and discourse analysis. Through the application of such theories and methods, students develop a conceptual vocabulary with which to articulate the myriad ways in which media texts create meaning, elicit responses, and mobilize feelings and attitudes within audiences. Students also think deeply about the role media texts play in the construction, maintenance and transformation of our social world.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2050 Media Audiences**

This course asks students to think critically about how they (as well as their friends, families and communities) influence and are influenced by mediated messages. Students compare and contrast the behaviors of film, radio, television and internet audiences from the nineteenth, twentieth and twenty-first centuries. By reading and writing about media audiences in historical and contemporary contexts, students come to understand the effects of, as well as their own responses to, mediated messages.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2100 Children, Youth and Media**

This course examines selected works aimed at children and young adults, and focuses on the interpretation and analysis of how media engages and affects young viewers. In addition to viewing selected works, students read what researchers and critics have to say in their analyses.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2200 Television Studies**

This course offers critical perspectives on American television and its complex relationship to contemporary culture and everyday life. Specifically, the course covers several aspects that are crucial to understanding television as a cultural artifact: economic structure, aesthetic practices and technological developments, the consumption habits of audiences, government regulation, and social impact. Along the way, students gain a solid grasp of television's history and speculate about its future.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2300 American Film**

This course explores major developments in the U.S. film industry during its first 100 years. The course is structured chronologically and focuses on moments in film history that are particularly relevant to the medium's development as an aesthetic form, industrial product and cultural practice. While a large portion of the course covers the Hollywood film industry, focus is also on the development of independent film in the U.S., which has always existed alongside the mainstream industry in various and ever-changing states of co-dependence. Students gain a strong appreciation for the wide variety of cinematic movements and styles that make up U.S. cinema, as well as a deep understanding of the way in which economic factors and industrial logic determine the kinds of films that are made. American cinema is also discussed in a global context, considering the ways in which international films and filmmakers have influenced, and been influenced by, the U.S. film industry.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2400 Writing for Publication**

This course focuses on the various sectors and processes of the publishing industry, including (but not limited to) periodicals, book publishing, professional journals and online publishing. Throughout the term, students explore the various sectors of the industry and become adept at researching the market and identifying appropriate venues for a variety of works. Instruction begins with critical analysis of the market and develops into an in-depth discovery of the industry from the genesis of a piece to representation, acquisition, editing, distribution and marketing. Issues of copyright laws, collaboration and issuance of contract terms are central to the course. By the end of the term, students are challenged to assess their own writing in regard to audience, timeliness and marketability in today's publishing industry.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits



**MCST2450 Writing in Digital Media**

This course examines the theory and practice of writing in a digital age. Special emphasis is on ethics and the rhetorical conventions for online communication and the design of information, particularly for professional purposes. Topics include designing an effective blog, Web style and identity online, social media applications, copyright and authorship issues, and participating in collaborative online environments.

Prerequisite(s): ENG1021 or ENG1027 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST2500 Digital Journalism**

This course prepares students for reporting and delivering news stories. By researching, writing and reporting on newsworthy events, students assume the many responsibilities of a journalist in the 21st century: reporter, producer and content creator. Through both lecture and experiential coursework, students are trained in best practice techniques necessary for a career in professional journalism. Lessons include writing copy and recording voice tracks as well as video recording, editing and distribution — all of which culminate in the production of multimedia news packages.

Prerequisite(s): DME3300 or GDES3300 or MCST1150.

Offered at Providence

3 Semester Credits

**MCST2520 Introduction to Environmental Journalism**

This course provides students with an opportunity to concentrate on environmental journalism for books, magazines, newspapers and websites. Exploring the genre, they learn how to write news and feature stories, as well as how to create multimedia packages. Topics also include developing sources, conducting interviews, crafting query letters and tailoring work to publications.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**MCST2550 Introduction to Multimedia Storytelling**

This course examines the practice of journalism and multimedia coverage in a digital age. Special emphasis is placed on preparing students to create content and to package news for a multi-platform audience. Topics include reporting and writing for the web; using photography, graphics, sound and videos to tell a story; designing and publishing online; and incorporating social media and networks.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**MCST2610 Motion Picture Editing**

Motion Picture Editing is a video post-production course which provides students with a thorough overview of non-linear editing software and techniques. Students work on a number of short video projects while gaining a thorough understanding of professional editing applications and their user-interfaces. Media management, post-production workflow, audio trimming, and mixing as well as color correction and file compression are studied.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

**MCST2650 Sound Production**

This is an audio-based course that provides students with the necessary recording skills required to inform and entertain an audience sonically. While primarily focusing on the delivery of effective aural messages, students are responsible for the writing, recording, assembly and post-processing of short audio products such as podcasts and voice-over narration for television and film. Techniques in microphone usage, foley recording and sound design are introduced as students put the pieces together using a digital audio workstation.

Prerequisite(s): MCST1150.

Offered at Providence

3 Semester Credits

**MCST3050 Media Identities**

This course analyzes the ways in which media texts, from films to television shows, represent contemporary forms of social identity such as gender, race, class and sexual orientation. Specifically, students are encouraged to ponder the role contemporary media plays in constructing popular understandings of social identity, as well as how audiences use media representations to form their own sense of identity. Students engage with contemporary theoretical perspectives on media representation, evaluate current research in the field, and perform their own analyses based on this material.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST3090 Critical Perspectives on New Media**

This course examines the rise of digital media technologies and their impact on contemporary culture. Topics include: economic issues, such as how the new digital landscape contributes to the consolidation of media ownership; industrial issues, such as how digital technologies cultivate new kinds of relationships between media producers and consumers; social issues, such as how the internet and social media change the way that individuals interact with one another and re-imagine themselves; and political issues, such as digital technology's potential to break down some barriers (i.e., global, national, cultural), while erecting others (i.e., economic barriers related to access). Through critical engagement with these issues, students are encouraged to think deeply and ethically about the media's past, present and future.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST3100 Radio, Records and Popular Music**

This course is divided into three interlocking sections: genres, industries and technologies. The genres section explores major forms of popular music, such as jazz, blues, country and rock. The industries section examines how the businesses of radio and music produce culture. The technologies section describes the gramophone, phonograph, radio, jukebox, tape recorder and digital files in their social and technological contexts. Borrowing from multiple fields, such as media studies, sociology, anthropology, history and musicology, the course situates these genres, industries, and technologies alongside several themes, including noise and silence, listening and recording, body and voice, regionalism and urbanism, race and class, and creativity and commerce.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST3200 History of Photography**

This course covers important photographic inventions, from the camera obscura and the daguerreotype to the 35mm still camera and the Polaroid. Various formats and prints are studied from social-cultural perspectives, such as banquet camera photographs, cartes de visite, magic lantern slides, news photographs and picture postcards. The documentary quality of photographs is also addressed, with examples that draw from the works of Margaret Bourke-White, Dorothea Lang and Walker Evans, among others.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST3300 Hip-Hop Culture**

Hip-Hop culture, over the course of its recognized existence, has given rise to much controversy, admiration and study. Now recognized as a global phenomenon that appeals to youth cultures, the Hip-Hop movement can be identified in nearly every aspect of human existence. Hip-Hop is also the subject of transnational dialogues about race, gender, sexual orientation, class, tradition and change. In the spirit of such dialogues, this course facilitates discussion and research about the creation, circulation and consumption of Hip-Hop culture. Course readings cover Hip-Hop's history from the African diaspora to contemporary influences around the world.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

**MCST3400 Latinx Music Culture**

This course traces the origins and evolutions of genres and styles of Latinx music in the United States during the twentieth and twenty-first centuries. Through its chronological approach, the course places a significant emphasis on the geographies of Miami, San Antonio, New York, Los Angeles, and San Francisco as key sites of cultural production. Students consider the commercial appeal of crossover performers and independent musicians' approaches to folk and underground music. Throughout the course, students interpret the aesthetic, semantic, and symbolic properties of genres and styles such as Latin rock, salsa, and reggaeton, often in political and economic contexts. In the process, they are exposed to the stories of musicians, album producers, record shop owners, music critics, and radio DJs involved in the creation and circulation of Latinx music—all cultural workers with their own transnational, generational, socioeconomic, racial-ethnic, and gender-sexual identities.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

**MCST3600 Narrative Filmmaking**

This course provides students the opportunity to collaborate on the production of a number of short films that explore fiction-based storytelling. Emphasis is on creating visual dynamism as students develop, write, direct and produce their own short films. Advanced techniques in lighting, cinematography and directing actors allow participants to create work of high-production value.

Prerequisite(s): MCST1150.

Offered at Providence

3 Semester Credits

**MCST3650 Documentary Filmmaking**

This course goes in-depth into how nonfiction films are made from initial concept through distribution. Strategies for producing, including solutions to the unique challenges inherent to documentary production, are explored. Through a combination of screenings and critiques of documentary films (which may include genres such as political, sports, music and/or biographic), shooting exercises and critical analysis of work produced in class, the course culminates in a final project: a short, student-developed work of nonfiction or a written treatment.

Prerequisite(s): Junior status.

Offered at Charlotte, Providence

3 Semester Credits

**MCST3700 Media Research Methods**

This course provides essential training on how scholars think by asking students to participate in the process of knowledge creation. Students are familiarized with a variety of qualitative research methods used by media scholars, such as interview studies, focus groups, participant observation, historical and textual analysis. Not only do students read and critique prior research performed by media scholars, they also gain practical, hands-on experience with these methods through a series of method-based projects. This course is beneficial to students who wish to pursue research positions in the media industries as well as for those who plan to continue their studies in graduate school. As part of the MCST core curriculum, it also prepares students for the research-based capstone project in MCST4200.

Prerequisite(s): ENG1021 or ENG1027, MCST1005 or MCST1010.

Offered at Charlotte, Providence

3 Semester Credits

**MCST4010 Global Media**

This course takes a critical look at the practices of media corporations, governments and audiences, mostly through the lenses of nationalism and imperialism. Particular emphasis is placed on the idea of globalization and its connection to contexts of reception at local, national and international levels. The course also addresses key themes such as trade, tradition, nation, globalism and localism. Students read political-economic and ethnographic analyses of cultural artifacts and production sites that bear the imprints of, on the one hand, transnational media corporations, and, on the other, regional audiences.

Prerequisite(s): ENG1021 or ENG1027, MCST1005 or MCST1010.

Offered at Charlotte, Providence

3 Semester Credits

**MCST4050 Media & Popular Culture**

This course surveys the ways in which everyday acts and artifacts communicate messages. Students interpret how fashion, food, fiction and other forms of communication influence and are influenced by social structures and global institutions. Students also consider the ways in which icons and symbols generate meaning for diverse audiences. Course readings address ideology, identity, community, subjectivity and the body, among other topics.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**MCST4100 Media Theory**

This course examines the major critical, cultural and social theories of media that have emerged from various schools and sites, such as Birmingham, Chicago, Columbia, Frankfurt, Paris and Toronto. Representative theorists studied include Stuart Hall, Louis Wirth, Paul Lazarsfeld, Walter Benjamin, Paul Virilio and Marshall McLuhan, among others. Students are expected to analyze, synthesize and evaluate multiple approaches to media studies.

Prerequisite(s): ENG1021 or ENG1027, MCST1005 or MCST1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST4200 Senior Seminar in Media & Communication Studies**

This seminar draws on coursework from the major and synthesizes it in the form of one research-based project on an original topic. Projects focus on substantive issues and utilize research methodologies central to the field of media studies. Students may choose to deliver the results of their research in a format that best reflects their acquired skill set, such as an academic journal-style research article, a video documentary or a podcast.

Prerequisite(s): ENG1021 or ENG1027, MCST1005 or MCST1010.

Offered at Charlotte, Providence

3 Semester Credits

**MCST4300 Special Topics in Media Studies**

This course focuses on a different area, issue or theme each year, depending on student interest. Possible topics under consideration include dead media, documentary media, Latin media, media philosophy, mediated bodies, mediated cities, mediated memories and mediated war.

Prerequisite(s): ENG1021 or ENG1027, MCST1005 or MCST1010, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCST4400 Cinematic Lighting Studio**

Lighting is explored as a narrative element in this advanced studio course. Students create short video sketches through their hands-on use of specialized tools, designed to produce the look of high-end cinematography. Through the analysis and reconstruction of various lighting studies from classic and contemporary films, techniques are put to practice in studio environments and field locations. Topics include how quality and placement of lights convey emotion, interview lighting, chromakeying and safety considerations.

Prerequisite(s): Junior status and two of the following production courses: GDES3300, GDES3310, MCST1210, MCST2500 or MCST3600.

Offered at Providence

3 Semester Credits

## Nonprofit Management (NPM) Courses

**NPM5010 Theory and Practice of Nonprofit Management**

This course introduces students to the critical aspects of managing and leading in a nonprofit organization. An overview of components of a nonprofit company's operations (including human resources, resource development, marketing and communications) is presented. Students are expected to gain a foundational understanding of how nonprofit organizations function as social and organizational entities, and build upon this understanding in future courses in the program.

Offered at Online, Providence

3 Semester Credits



### **NPM5020 Methodological, Decision-Making and Analytic Techniques**

This course is designed to introduce students to techniques in problem articulation, assessing alternatives, gathering data, analyzing data and making decisions in the nonprofit sector. Students are introduced to how the decision-making process is accomplished in both the practice and study of nonprofit administration. The course presents an overview of how to select the appropriate method for a particular problem area, analyze the problem and arrive at an appropriate decision.

Offered at Online, Providence

3 Semester Credits

### **NPM5030 Financial Management and Budgeting in Nonprofit Organizations**

This course is an overview of the practice of budgeting and financial management in nonprofit organizations. It covers various budgetary processes, including how budgets are developed, implemented and enacted. The course also covers how budgeting and financial management fit in with the structure of nonprofit function and the impacts of budgeting on the overall organization. Students are expected to learn how to navigate the practical aspects of budgeting and finance through case studies and actual reports from nonprofits.

Offered at Online, Providence

3 Semester Credits

### **NPM5040 Program Evaluation**

This course in program evaluation is designed to introduce students to practical methods of evaluating nonprofit programs. Emphasis is on currently used methods of program evaluation, using case studies to illustrate how theoretical methods are practically applied. Students are expected to gain an understanding of theoretical frameworks as well as practical qualitative and quantitative tools used to evaluate programs against standards of efficiency, equity and other goals.

Offered at Online, Providence

3 Semester Credits

### **NPM5050 Resource Development for Nonprofits**

This course is designed to provide students with a working knowledge of resource development and management, including fundraising, donor management and volunteer management. Students are expected to gain an understanding of practical methods currently used to develop resources to be used in the capacity of nonprofit organizations.

Offered at Online, Providence

3 Semester Credits

### **NPM5060 Social Entrepreneurship**

This course provides students with a practical overview of developing a social entrepreneurship initiative within the nonprofit context. Students are expected to gain an understanding of different components and considerations in social entrepreneurship, including developing a business plan, articulating financial considerations and considering feasibility of the initiative.

Offered at Online, Providence

3 Semester Credits

### **NPM6010 Public, Private and Nonprofit Collaboration**

This course introduces students to the main concepts, ideas and theories of nonprofit collaboration with public and private organizations. Through the use of practical worksheets and cases, students are expected to gain insight into the structure, benefits and potential pitfalls of collaborative alliances. Further, students are expected to gain a working knowledge of how to plan for, manage and maintain collaborations with public agencies and private businesses.

Offered at Online, Providence

3 Semester Credits

### **NPM6020 Personnel Deployment in Nonprofits**

This course presents an overview of personnel deployment and management concepts and practices within the nonprofit sector. Students are expected to gain a practical and working understanding of the process supporting the management of human resources, including paid employees and volunteers. The course will also cover the role of collective bargaining within the nonprofit sector.

Offered at Online, Providence

3 Semester Credits

### **NPM6030 Ethics and Social Change**

This course is an overview of the role of ethics in every aspect of the nonprofit organization. Students are expected to learn how to identify, analyze and solve common ethical issues and problems. The course covers how to identify, codify and implement ethical guidelines in a nonprofit context, as well as the role of the nonprofit manager as an ethical role model and agent of social change.

Offered at Online, Providence

3 Semester Credits

## **Nutrition & Dietetics (DIET) Courses**

### **DIET2020 Sports Nutrition**

This course provides an introduction to nutritional concepts that are unique to the needs of athletes. Students in this course learn about the impact of carbohydrates, fats, proteins and essential nutrients on an athlete's metabolism, health and performance. The class also stresses information not only for competitive athletes, but for other populations wishing to incorporate nutrition into a physically active lifestyle. Students design several diets that optimize performance based on topics addressed in this class.

Prerequisite(s): SCI1050.

Offered at Providence

3 Semester Credits

### **DIET2070 Lifespan Nutrition**

This course investigates the significance of nutrition throughout the lifecycle, including developmental stages, growth and aging. Students examine the role of specific nutrients in each life stage, from preconception through older adulthood. Meeting nutritional requirements as well as the relationship between nutrition and health throughout the human lifespan are emphasized.

Prerequisite(s): SCI1050.

Offered at Charlotte, Providence

3 Semester Credits

### **DIET3030 Nutrition Assessment**

This course introduces students to the scope of practice of the Registered Dietitian Nutritionist as well as the standardized nutrition care of patients. Students explore each step of the Nutrition Care Process, practice various assessment techniques, formulate nutrition problem statements, and implement terminology related to nutrition intervention, monitoring and evaluation. Focus is on the measurement techniques used to evaluate nutritional status and the application of medical terminology in patient health records.

Prerequisite(s): SCI1050, DIET2050 or DIET3080, sophomore status.

Offered at Providence

3 Semester Credits

### **DIET3080 Community Nutrition**

This course examines the role of nutrition in promoting, maintaining and improving the health of individuals and groups in the community. The course provides students with a foundational understanding of the professionals, organizations and policies that influence community nutrition. Students are introduced to epidemiological research methodology, educational theories and other strategies in order to maximize their effectiveness while working with diverse and potentially vulnerable populations.

Prerequisite(s): SCI1050.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **DIET4030 Medical Nutrition Therapy**

This course familiarizes the student with the principles of medical nutrition therapy. The critical role of food and nutrients and their effects on various disease states is discussed. Students explore a variety of issues that may impact the management of existing diseases.

Prerequisite(s): BIO2041 or SCI2031, DIET3030, DIET2070 or DIET3050.

Offered at Providence

3 Semester Credits

**DIET4630 Advanced Medical Nutrition Therapy**

This senior-level course provides the student with advanced medical nutrition therapy (MNT) theoretical knowledge and clinical nutrition skills required for postgraduate programs and advanced degrees in nutrition. Students utilize critical-thinking skills in solving complex medical cases that require nutrition intervention. Students research and apply a variety of evidence-based clinical nutrition practices. Emphasis is on the critical role of utilizing the standardized Nutrition Care Process in all aspects of Medical Nutrition Therapy. Prerequisite(s): DIET4030 or NUTR4030.

Offered at Providence  
3 Semester Credits

## Occupational Therapy (OTD) Courses

**OTD7020 Foundations of Occupational Therapy**

This course provides the conceptual foundation for occupational therapy practice. Students apply the concepts of occupation, activity analysis, and use of occupations in practice using the construct of the Occupational Therapy Practice Framework. The course also provides a historical and contemporary view of the ethical and philosophical base of the profession, while emphasizing the role of occupational balance in health, wellness and participation.

Offered at Providence  
2 Semester Credits

**OTD7030 Human Occupations and Participation Across the Lifespan**

This course explores the spectrum of occupations that influence health and independence of individuals throughout the lifespan through observation, communication, analytical and reflective skills. This course stresses normal occupational development and participation. It looks at what occupation means and the role occupations play in participation in the daily lives of individuals. It involves exploration of the impact of culture, environment, context, gender and age upon occupation, occupational performance and participation.

Offered at Providence  
2 Semester Credits

**OTD7060 Occupational Perspective on Health**

This course develops students' knowledge of population health and social determinants of health. It situates occupational therapy in global perspectives on health through the International Classification of Function (ICF) and explores the role of occupation in health. Students learn to analyze the epidemiological factors that contribute to public health and well-being of populations on a local and global scale. The course emphasizes health disparities and the effects of the sociopolitical climate on health. Additionally, students explore the role of occupation and participation in individual and population health. The course examines the significant role played by diversity of the human experience and various socioeconomic and cultural factors to expand students' abilities to meet the needs of individuals, groups and populations. It moves from the perspective of the community, to the country, to the world.

Prerequisite(s): OTD7210, OTD7260, OTD8240, OTD8320.  
Offered at Providence  
3 Semester Credits

**OTD7070 Introduction to Fieldwork**

This course prepares students for fieldwork placements through a series of guided learning experiences. Students complete documentation and tasks required for Level I and II fieldwork experiences. This course also prepares students to reflect on their professional behaviors and to understand how fieldwork is an integral and unique portion of occupational therapy education.

Prerequisite(s): OTD7010 or OTD7020, OTD7030, OTD7170, OTD7190.  
Offered at Providence  
1 Semester Credit

**OTD7110 Kinesiology**

This course begins the process of applying the theory of human kinetics to human movement. The course includes movement analysis, hands-on assessment and training of movement of muscles and muscle groups, assessment of posture and the impact on coordination and balance in assisting clients to move from surface to surface, proper body mechanics, ergonomics and an introduction to gait analysis. Labs provide an opportunity to use the information presented in class in a dynamic and interactive way. Prerequisite(s): OTD7010 or OTD7020, OTD7030, OTD7170, OTD7190.

Offered at Providence  
4 Semester Credits

**OTD7130 Occupational Therapy Assessment and Theory Across the Lifespan**

Students learn the role of theory in the development of assessments and how this theory can be utilized to frame selection of assessments and intervention techniques that follow. Occupational performance contexts found within the Occupational Therapy Practice Framework are utilized to emphasize the role of the occupational therapist in both standardized and non-standardized formats. Students learn the process of data collection, scoring, and interpretation of evaluation tools in order to develop appropriate treatment and discharge planning strategies across the lifespan. This course prepares the student to evaluate quality of tools and to understand how to select intervention tools within practice settings.

Prerequisite(s): OTD7010 or OTD7020, OTD7030, OTD7170, OTD7190.  
Offered at Providence  
3 Semester Credits

**OTD7160 Human Conditions I**

This course examines conditions of the musculoskeletal, connective tissue, endocrine, gastrointestinal, renal, auditory, visual and cardiopulmonary systems as they relate to people's ability to move within, sense and respond to their physical and social environments. Students examine the impact of these conditions on occupational performance and quality of life. Students learn the signs and symptoms of conditions, how they are managed medically, and how they can be prevented. They explore the scientific evidence regarding genetic, biologic, traumatic and social causes of the conditions.

Prerequisite(s): OTD7010 or OTD7020, OTD7030, OTD7170, OTD7190.  
Offered at Providence  
3 Semester Credits

**OTD7170 Occupational Performance and Participation in Groups**

This course allows students to understand, analyze and apply dyadic, group and team dynamics and therapeutic group process skills. Students learn about the role of occupational therapy within groups, while building upon the concept of therapeutic use of self. Topics include communication skills, conflict resolution, group process, group leadership, choosing developmentally appropriate group activities, assessing the effectiveness of the group process, and using behavioral management strategies. Labs engage students in real-time group development and process experiences that build in knowledge and complexity throughout the semester.

Offered at Providence  
3 Semester Credits

**OTD7190 Research I**

In this first course of the research courses, Effective Solutions thread, students learn to acquire basic knowledge of the principles of research in healthcare. In this course, students learn to appreciate research in occupational therapy. They read and interpret research articles and locate and critically appraise peer-reviewed literature. Students review statistical terms and analysis and begin to use evidence-based literature. Students look at the ethics of research and create an annotated bibliography on a topic relevant to occupational therapy.

Offered at Providence  
3 Semester Credits

**OTD7210 Neuroscience**

This course presents students with the study of the structure and function of the central, peripheral and autonomic nervous system. Lab gives students opportunities to explore the anatomy of the head and neck, brain, spinal cord and peripheral nerves. Lectures and laboratory experiences integrate the physiological and neurological components of the course to provide students with an opportunity to use clinical reasoning to explain the relationship of the neurological structures and system to occupational performance.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

4 Semester Credits

**OTD7260 Human Conditions II**

This course is a continuation of Human Conditions I. It focuses on conditions in motor, sensory, cognitive, interpersonal, self-care, productivity, and leisure areas that may be the result of neurological, genetic, developmental, sensory dysfunction and mental health conditions. Students examine the impact of these conditions on occupational performance and participation.

Students learn the signs and symptoms of conditions, how they are managed medically, and how they can be prevented. Students learn how these conditions contribute to disruption in occupational performance.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

3 Semester Credits

**OTD8140 Healthcare Systems and Policy**

In this course, students learn the various systems in which occupational therapists work and the payment, reimbursement and other policies that affect practice in different settings. Students gain knowledge and experience on how to address the needs of a variety of stakeholder groups, including regulators, payers and legislators. Students gain new knowledge about how they can affect and create policy and the mechanisms of change in health systems based on policy change.

Prerequisite(s): OTD7210, OTD7260, OTD8240, OTD8320.

Offered at Providence

3 Semester Credits

**OTD8210 Management and Entrepreneurship**

Students learn skills required to assume managerial and entrepreneurial roles in occupational therapy practice in today and tomorrow's healthcare, education and community systems. They also learn about ethics in practice, future trends in practice, developing a business plan, private practice, grant writing, developing new programs, and program evaluation. The major project of this course is to plan a new, grant-funded, community-based/ community-built program.

Prerequisite(s): OTD7060, OTD8140, OTD8250.

Offered at Providence

3 Semester Credits

**OTD8215 Introduction to Capstone I**

This is the first in a two-course sequence, preparing students for the doctoral capstone, which provides students in-depth learning focusing on clinical practice skills, research, administration, leadership, program development, policy development, advocacy or education. Students in this course develop their capstone topic through written and graphic models, including the theoretical framework used to address the problem/issue. This course includes the synthesis of the literature review and the development of a doctoral capstone plan for the capstone project and experience.

Prerequisite(s): OTD7060, OTD8140, OTD8250.

Offered at Providence

2 Semester Credits

**OTD8220 Research II**

This is the second course in the three-course sequence in research. In this course students build on what they have learned in Research I. They complete an annotated bibliography, prepare a research proposal and an IRB proposal, and expand the annotated bibliography into a literature review. This will ultimately lead to completing a systematic review in Research III.

Prerequisite(s): OTD7010 or OTD7020, OTD7030, OTD7170, OTD7190.

Offered at Providence

3 Semester Credits

**OTD8240 Occupational Therapy Practice I**

This course presents the occupational therapy process for people with mental illness or disorders in the psychosocial realm with an emphasis on evidence-based practice. Students apply theory to practice with people in various psychosocial practice settings. Students select and apply appropriate frames of reference for use with case studies that are presented via various media. Students learn safety skills specific to mental health settings and learn the importance of team approaches in this practice area. The course also includes a lab and level I fieldwork experience which places the students in a setting that emphasizes psychosocial practice for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in preparation of clinical and professional behaviors expected of a practitioner. Lab, simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

6 Semester Credits

**OTD8250 Occupational Therapy Practice II**

This course presents the occupational therapy process for adults with primarily physical, cognitive and perceptual disorders with an emphasis on evidence-based practice. Students apply theory to practice with adults in various contexts. Students select and apply appropriate frames of reference to cases presented via various media. Students learn safety skills specific to physical disabilities settings and learn the importance of team approaches in this practice area. Students further refine skills related to safety, clinical reasoning, therapeutic use of self and intra- and interprofessional communication presented in the previous occupational therapy practice course. In addition to lecture this course includes a lab and level I fieldwork experience which places the students in a setting that emphasizes adult rehabilitation practice for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in development of clinical and professional behaviors expected of a practitioner. Lab, simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7210, OTD7260, OTD8240, OTD8320.

Offered at Providence

6 Semester Credits

**OTD8270 Technology & Innovation in Occupational Therapy**

This course provides instruction on the use of technology and its applications to support inclusive and meaningful participation of individuals with disabilities in all settings. Students apply concepts of assistive technology to create devices and utilize services that provide alternatives for physical and sensory access, communication and learning. Students create adapted items using a 3D printer, build adaptive equipment, and modify environments through use of smart technology and other contemporary tools. Students identify barriers and potential solutions based on various case studies and real-life examples.

Prerequisite(s): OTD7060, OTD8140, OTD8250.

Offered at Providence

3 Semester Credits

**OTD8290 Professional Practice I**

This course prepares students for their level II fieldwork placements through a series of learning experiences required prior to level II fieldwork. This course incorporates mandatory training for fieldwork including CPR, fire and electrical safety, and HIPAA.

Prerequisite(s): OTD8120, OTD8140, OTD8160, Corequisite: OTD8210,

OTD8220, OTD8240, OTD8250.

Offered at Providence

1 Semester Credit

**OTD8310 Leadership and Advocacy**

Students consider the role of the occupational therapist as a leader in areas of health promotion, prevention of disease and dysfunction, care coordination, case management, transition services, fieldwork and more. Management of others and collaboration with other health professionals, including occupational therapy assistants, is emphasized. The course also explores advocacy initiatives and leadership roles within and outside of the profession of occupational therapy at the local, state and national levels. Students use knowledge gained in this course to become active leaders and advocates of occupational therapy services in traditional and emerging practice areas.

Prerequisite(s): OTD7060, OTD8140, OTD8250.

Offered at Providence

3 Semester Credits

**OTD8315 Introduction to Capstone II**

In this course students build on their work in Introduction to Capstone I to finalize plans for the doctoral capstone, which provides students in-depth learning focusing on clinical practice skills, research, administration, leadership, program development, policy development, advocacy or education. This course includes an evaluative summary of the literature and methods that have been applied to address the doctoral capstone problem thus far. Students develop a thorough and detailed description of the proposed capstone project and a plan for implementation. They present their plans and defend their decisions to their capstone faculty mentor and incorporate feedback into their final written plans.

Prerequisite(s): OTD8210, OTD8215, OTD8270, OTD8310, OTD8360.

Offered at Providence

2 Semester Credits

**OTD8320 Research III**

This is the third course in the three-course sequence in research. In this course students build on what they have learned in Research I and Research II. They complete a publication ready systematic review on their research topic, and prepare and present their systematic review at the conclusion of the course.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

3 Semester Credits

**OTD8330 Theoretical and Clinical Reasoning in Context**

This course requires students to integrate knowledge gained from foundational, practice and research courses in order to design, plan and implement reflective intervention strategies for complex cases. Students develop an understanding of the nature of clinical and professional reasoning, the various types of reasoning, and how they may be used in practice. Theories behind assessment and intervention are revisited to challenge students' thought processes and prepare them for the complex practice environment, including the reality of billing and reimbursement systems. Case studies, videos and other real-life experiences are used to promote the reflective processes involved in clinical and professional reasoning.

Prerequisite(s): OTD8210, OTD8215, OTD8270, OTD8310, OTD8360.

Offered at Providence

3 Semester Credits

**OTD8340 Teaching and Learning in Occupational Therapy**

This course teaches students about the art and science of teaching and learning in occupational therapy. Students learn educational taxonomies and the application of these to health literacy education, education of consumers and families, education of other professionals, education of students in a clinical setting and in a classroom. The course includes processes of instructional design, approach to adult education, establishment of client education programs, educating groups and becoming a fieldwork educator and clinical supervisor.

Prerequisite(s): OTD8210, OTD8215, OTD8270, OTD8310, OTD8360.

Offered at Providence

3 Semester Credits

**OTD8350 Contemporary Concepts in Occupational Therapy**

In this course, students examine the influence and relevance of contemporary concepts and issues associated with traditional and emerging practice areas. Students apply this knowledge to broaden their understanding and perspective of occupational therapy in the 21st century given the socio-political climate and the importance of promoting occupational therapy. Students learn how the requirements for the National Board for Certification in Occupational Therapy (NBCOT) and state licensure influence entering the profession and ongoing practice. Culminating projects are a comprehensive compendium on contemporary practice in occupational therapy and a video presentation on a contemporary concept associated with occupational therapy and its relationship to the student's doctoral capstone.

Prerequisite(s): OTD8210, OTD8215, OTD8270, OTD8310, OTD8360.

Offered at Providence

3 Semester Credits

**OTD8360 Occupational Therapy Practice III**

This course presents the occupational therapy process for older adults emphasizing evidence-based practice for individuals, groups and populations. Students apply theory to practice with older adults in various contexts. Students select and apply appropriate models of practice and frames of reference, especially those related to wellness and health promotion to cases presented via various media. Students examine wellness, health promotion, community-based practice, and multiple chronic conditions, and apply these principles to aging populations and individuals. Students refine skills related to safety, clinical reasoning, therapeutic use of self and intra- and interprofessional communication presented in the previous occupational therapy practice courses. In addition to lecture this course includes a lab and level I fieldwork experience which places the students in a setting that emphasizes community based and/or older adult practice for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to further develop clinical and professional behaviors expected of a practitioner. Lab, simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7060, OTD8140, OTD8250.

Offered at Providence

6 Semester Credits

**OTD8370 Occupational Therapy Practice IV**

This course presents the occupational therapy process for pediatrics. Students utilize evidence and apply theory to practice with children in various contexts. Students develop skills in family education, team approach, and intra- and interprofessional interactions. Students further refine skills related to safety, clinical reasoning and therapeutic use of self presented in the previous occupational therapy practice courses. This course includes a lab and level I fieldwork experience, which places the students in a setting that exposes them to the pediatric population for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in development of clinical and professional behaviors expected of a practitioner. Lab, simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD8210, OTD8215, OTD8270, OTD8310, OTD8360.

Offered at Providence

6 Semester Credits

**OTD9810 Level IIA Fieldwork**

Level II Fieldwork is a 12-week, full-time placement in a setting that allows for experiential learning under the direction of a licensed occupational therapist. Students develop entry-level competence by working directly with clients who receive occupational therapy. The student contributes in the evaluation process, planning and implementing treatment programs, communicating effectively, and developing professional relationships. Students work under the supervision of an OTR who meets criteria as a fieldwork educator as defined by the Accreditation Council for Occupational Therapy (ACOTE). The academic fieldwork coordinator selects the practice environments in collaboration with community partners and students. While Level IIA and Level IIB Fieldwork experiences are sequential, they both offer students entry-level exposure to a different area of occupational therapy practice. Opportunities to engage in research or an emerging practice environment may be offered for either of the Level II Fieldwork courses.

Prerequisite(s): OTD8315, OTD8330, OTD8340, OTD8350, OTD8370.

Offered at Providence

9 Semester Credits



### **OTD9860 Level IIB Fieldwork**

Level II Fieldwork is a 12-week, full-time placement in a setting that allows for experiential learning under the direction of a licensed occupational therapist. Students develop entry-level competence by working directly with clients who receive occupational therapy. The student contributes to the evaluation process, planning and implementing treatment programs, communicating effectively, and developing professional relationships. Students work under the supervision of an OTR who meets criteria as a fieldwork educator as defined by the Accreditation Council for Occupational Therapy (ACOTE). The academic fieldwork coordinator selects the practice environments in collaboration with community partners and students. While Level IIA and Level IIB Fieldwork experiences are sequential, they both offer students entry-level exposure to a different area of occupational therapy practice. Opportunities to engage in research or an emerging practice environment may be offered for either of the Level II Fieldwork courses.

Prerequisite(s): OTD9810.

Offered at Providence

9 Semester Credits

### **OTD9910 Doctoral Capstone Project**

In this course, students apply advanced knowledge to practice by integrating the doctoral capstone experiential learning and activities into a culminating doctoral capstone project. The capstone project demonstrates a synthesis of new, advanced knowledge learned in the program, the transformation of students' views of the world of occupational therapy, and how it fits within the broader world and the expected outcomes of the program, in order to develop advanced skills beyond a generalist level. Students present their doctoral capstone projects at a JWU OTD research forum.

Prerequisite(s): OTD9860, Corequisite: OTD9920.

Offered at Providence

3 Semester Credits

### **OTD9920 Doctoral Capstone Experience**

Students participate in a pre-approved 14-week, full-time doctoral capstone experience, which focuses on clinical practice skills, research skills, administration, leadership, program and policy development, advocacy, education, or theory development.

Prerequisite(s): OTD9860, Corequisite: OTD9910.

Offered at Providence

10 Semester Credits

## **Philosophy (PHIL) Courses**

### **PHIL3015 History of Philosophy**

This course is a survey of the development of Western philosophic thought. A clear sense is gained of the relative richness and poverty of philosophic interpretation of different periods. The thinking and works of outstanding philosophers of each period are considered, and the major schools of philosophic thought and their adherents are reviewed. Some of the major problems of philosophy are examined: appearance versus reality, determinism versus free will, knowledge and existence, body-mind relations, truth and error, good and evil, space and time, reality and what we can know.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Online, Providence

3 Semester Credits

### **PHIL3020 Crisis and Controversy: A Critical Thinking Approach**

This course encourages students to use critical thinking skills in order to make decisions, solve problems, develop new ideas, evaluate arguments and tolerate ambiguity while exploring complex social questions. Emphasis is on understanding the elements of reasoning, imposing criteria and intellectual standards upon reasoning, and assessing individual thinking processes. Students hone critical thinking skills by actively engaging in the study of social conflicts and controversies that operate at individual, communal and global levels.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

### **PHIL3045 Honors Seminar: Ethics**

This Honors Seminar examines central figures in the history of moral philosophy, such as Aristotle, Hobbes, Hume, Mill and Kant. While the primary focus will be on understanding these influential thinkers in their historical contexts and their distinctive approaches to ethics, we will also seek to show the relevance of their views to timeless questions. What is the best way to live? How do we distinguish good from evil? Should we be moral? We will discuss these thinkers' answers to these questions, and apply those answers to contemporary moral discourse, including public policy, environmental issues and business ethics.

Prerequisite(s): ENG1024 or English placement, honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **PHIL3240 Ethics: A Global Perspective**

This course examines the basic principles of ethics and their philosophical foundations particularly as they apply to contemporary global issues.

Students explore such important topics as business, labor conditions, war and refugee crises, gender and gender orientation inequality, environmental damage, and famine, poverty and the unequal distribution of wealth. Through the examination of philosophical texts and case studies, including case studies drawn from business organizations, students learn to identify ethical issues of global significance, analyze the causes of these problems, and propose practical, ethical solutions to these problems.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Physician Assistant Studies (PAS) Courses**

### **PAS5110 Applied Anatomy**

This lecture and laboratory course covers the anatomy most relevant to clinical practice as a physician assistant through the use of prosection and dissection of human cadavers. The course proceeds through each of the body organ systems with presentations emphasizing normal and clinically relevant gross, regional and surface anatomy to include the musculoskeletal, neurologic, cardiovascular, respiratory, endocrine, gastrointestinal, renal and reproductive systems. This course complements, enhances and assists the student with integration of this information into the physical examination skills taught in the Patient Care I course. As part of this course, clinical correlations introduce the student to principles of radiologic imaging and laboratory studies to further recognize and evaluate normal anatomy, conditions and pathology. Applied Anatomy also serves to provide a foundation for the practical application of anatomical knowledge needed for the study and understanding of diseases which are taught in the Clinical Medicine courses and ultimately clinical practice.

Offered at Providence

4 Semester Credits

### **PAS5200 Foundations of Medicine**

This lecture-based course provides the foundation of the basic scientific concepts and principles needed for the study and treatment of diseases. It consists of five modules: Microbiology, Immunology, Genetics, Cell Physiology and Introduction to Pharmacology. The five modules of the course provide the molecular and cellular basis of diseases which is vital for understanding the mechanisms of disease pathogenesis. The cell physiology module presents the physiological fundamentals and processes at the human cellular and tissue level necessary for understanding disease processes and drug metabolism. The genetics module presents the basic concepts and principles of genetics, the basic architecture of the genome, mechanisms of disease related to genetic changes, and gene therapy, to build upon the role of genetics in disease risk, development and prevention. The microbiology and immunology modules introduce and explore the roles of bacteria, viruses and other infectious-disease-causing microorganisms in humans. The module covers useful diagnostic laboratory procedures and emphasizes the clinical significance of pathogenicity and therapy. The Introduction to Pharmacology module presents the basic scientific principles of pharmacology, pharmacokinetics, pharmacodynamics and biotransformation needed to understand the therapeutic uses and effects of drugs. The module provides an introduction of how to apply these principles to classes of drugs using prototype and common examples in each class.

Offered at Providence

4 Semester Credits

**PAS5325 Patient Care I**

Patient Care I is a lecture- and laboratory-based course designed to teach the principles and techniques for obtaining, performing and documenting a comprehensive medical history and complete physical examination. Lectures focus on history taking skills including communication and interviewing skills and humanistic principles. The normal physiologic findings for each system of the body in addition to initial introduction to abnormal findings indicative of disease states are also presented. The laboratory sessions focus on developing, practicing and meeting a defined level of skill needed to competently perform both the medical interview and a complete head to toe physical examination. Instructional techniques include lecture, small and large group dynamics, practical experience and critiques of interviewing, communication and physical examination skills by peers and faculty. Offered at Providence  
4 Semester Credits

**PAS5345 Professional and Health Policy Issues I**

Professional and Health Policy Issues (I-III) is a course which spans all three (3) first-year semesters. It is a lecture and small group course which focuses on practical principles related to medical ethics and professionalism, cultural awareness and bias, healthcare delivery and policy issues, behavior change principles, the opioid epidemic and public health as they relate to the role and responsibilities of a physician assistant. Professional and Health Policy Issues I (PHP I) begins with an exploration of the program's emphasis on humanism in medicine. It introduces the student to principles related to medical ethics and includes the AAPA Guidelines for Ethical Conduct for the Physician Assistant Profession. It includes instruction and discussion related to the laws and regulations regarding professional practice. Students explore and evaluate their own and others' cultural beliefs and values regarding health and illness, in order to understand the wide range of cultural differences and to navigate those differences comfortably for the best care of and relationship with the patient and significant others. As future providers within the U.S. healthcare system, students receive an overview of healthcare delivery systems. This course also includes the history and development of the physician assistant profession, its institutions, and current trends regarding legislation and regulations affecting PA practice. Finally, PHP I includes an introduction to the principles and practice of public health. Offered at Providence  
2 Semester Credits

**PAS5425 Patient Care II**

This lecture, lab, and small group course is designed to provide the student with opportunities to use their previous and ongoing fund of knowledge and skills and apply those to case-based patient scenarios. It is designed to teach and foster sound clinical decision-making using evidence-based practices. The focus of this interactive course experience is the medical history, physical examination, clinical reasoning, laboratory evaluation, diagnosis, patient education and counseling for common problems encountered in primary care practice. In addition, the course stresses practice and implementation of humanistic techniques and approaches. The topics presented correlate with the disease states covered in the semester clinical medicine series. Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345. Offered at Providence  
3 Semester Credits

**PAS5456 Professional and Health Policy Issues II**

Professional and Health Policy Issues (I-III) is a course sequence which spans all three (3) first-year semesters. These are lecture and small group courses which focus on practical principles related to medical ethics and professionalism, healthcare delivery and policy issues, and public health as they relate to the role and responsibilities of a physician assistant. In addition, this course sequence addresses the theoretical basis of behavior change, and the principles and application of inter-professional practice. Physician assistants are faced with a wide range of challenging decisions regarding what is professionally appropriate, ethical and legal, and supported by high-quality evidence in the day-to-day interactions with their patients, their supervising physicians, other health care providers, insurance companies, and the healthcare system. This course provides instruction, guidance and practice in navigating and negotiating these interactions. Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345. Offered at Providence  
1.5 Semester Credits

**PAS5470 Introduction to Evidence-Based Practice**

The course provides an introduction to evidence-based practice and an in-depth review of research methods utilized in clinical medicine. Emphasis is placed on clinical questions typically encountered in PA practice and the tools available to answer them. The topics presented in the course provide the students with a basis for searching and interpreting the medical literature. Students explore the application of research in clinical practice guidelines related to topics in the clinical medicine course series. Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345. Offered at Providence  
1 Semester Credit

**PAS5480 Food is Medicine I**

This course is the first of a two-semester series exploring the role that diet has on health and wellness and providing graduate students with a framework to provide patients during future clinical practice. Students explore trends in diet utilized in treatment and in health promotion and disease prevention of common disease including cardiovascular disease, diabetes, gastrointestinal disease, cancer and obesity. This course takes an interdisciplinary and collaborative approach to bridge knowledge-deficiencies that exist in traditional healthcare. Lecture and laboratory sessions are designed to improve understanding of how nutrition may impact health and wellness in the patients of the future healthcare providers while providing insight into the barriers to following a particular diet plan. The final project for the course sequence is to develop a customized menu to address health requirements of a disease presented in the class. Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345. Offered at Providence  
1 Semester Credit

**PAS5510 Clinical Hematology and Infectious Disease**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in hematology and infectious disease systems. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice. Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345. Offered at Providence  
2 Semester Credits

**PAS5525 Clinical EENT**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in eyes, ears, nose and throat systems. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice. Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345. Offered at Providence  
2 Semester Credits



**PAS5540 Clinical Pulmonology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the pulmonary system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5565 Clinical Dermatology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the integumentary system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5580 Clinical Cardiology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the cardiovascular system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

4 Semester Credits

**PAS5590 Clinical Gastroenterology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in gastroenterology across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. The course also includes general surgery principles. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5736 Patient Care III**

This lecture and small group course is designed to provide students with opportunities to use their previous and ongoing fund of knowledge and skills and apply those to case-based patient scenarios. It is designed to teach and foster sound clinical decision-making using evidence-based practice. The focus of this interactive course experience is the medical history, physical examination, clinical reasoning, laboratory evaluation, diagnosis, and patient education and counseling for common problems encountered in primary care practice. In addition, the course stresses practice and implementation of humanistic techniques and approaches. The cases presented follow those disease states covered in the concurrent Clinical Medicine courses.

Prerequisite(s): PAS5325, PAS5425.

Offered at Providence

3 Semester Credits

**PAS5767 Professional and Health Policy Issues III**

Professional and Health Policy Issues (I–III) is a course sequence which spans all three (3) first-year semesters. These are lecture and small group courses which focus on practical principles related to medical ethics and professionalism, healthcare delivery and policy issues, and public health as they relate to the role and responsibilities of a physician assistant. In addition, this course sequence addresses the theoretical basis of behavior change, and the principles and application of inter-professional practice. Professional and Health Policy Issues III continues with topics such as the theory and practice of behavior change, integrative medicine, medical ethics, professional practice, health policy issues, and death and dying.

Prerequisite(s): PAS5345, PAS5456.

Offered at Providence

1.5 Semester Credits

**PAS5782 Food is Medicine II**

This course is the second of a two-semester series exploring the role that diet has on health and wellness and providing graduate students with a framework to provide patients during future clinical practice. Students explore trends in diet utilized in treatment and in health promotion and disease prevention of common disease including cardiovascular disease, diabetes, gastrointestinal disease, cancer and obesity. This course takes an interdisciplinary and collaborative approach to bridge knowledge-deficiencies that exist in traditional healthcare. Lecture and laboratory sessions are designed to improve understanding of how nutrition may impact health and wellness in the patients of the future healthcare providers while providing insight into the barriers to following a particular diet plan. The final project for the course sequence is to develop a customized menu to address health requirements of a disease presented in the class.

Prerequisite(s): PAS5345, PAS5456, PAS5480.

Offered at Providence

1 Semester Credit

**PAS5810 Clinical Nephrology and Urology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in renal and urinary systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5825 Clinical Orthopedics and Rheumatology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in orthopedic and rheumatic systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5840 Clinical Neurology and Behavioral Medicine**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in neurological and behavioral medicine systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5860 Clinical Endocrinology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in endocrine system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

2 Semester Credits

**PAS5880 Clinical Gynecology and Obstetrics**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in gynecology and obstetrics. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5890 Clinical Pediatrics**

This system-based lecture course is designed to teach students the development, clinical medicine, pathophysiology, and diagnostic testing in the pediatric population. The course builds upon the knowledge attained in previous clinical medicine courses and applies it to the recognition, evaluation, treatment and management, including referral of common clinical conditions and diseases seen in the pediatric population. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions seen in the pediatric population. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5910 Emergency Medicine**

This case-based course is designed to build upon the knowledge attained in the clinical medicine course series and apply it to the recognition, evaluation, treatment and management of common clinical conditions presenting in emergency medicine. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. Additionally, the course serves as a transition to the clinical year to provide students with the needed skills to effectively navigate their learning in the clinical setting. This course is coordinated with the Patient Care III course refining the approach to the patient presenting to emergency medicine. Together, these evidence-based courses encompass initial presentation through disposition with a humanistic approach to a patient-centered medical model throughout the lifespan. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5425, PAS5510, PAS5525, PAS5540, PAS5560, PAS5580, PAS5590.

Offered at Providence

2 Semester Credits

**PAS5930 Problem-Based Learning**

Problem-Based Learning (PBL) uses clinical cases to stimulate critical thinking, knowledge application and integration related to diseases covered in the clinical medicine course series. Through this active, collaborative, case-based learning process, students acquire a deeper understanding of the principles of medicine by exploring all aspects of critical thinking in patient care from presentation through treatment. Students enhance the understanding of evidence-based medicine and further acquire the skills necessary for lifelong learning.

Prerequisite(s): PAS5325, PAS5425, PAS5470.

Offered at Providence

2.5 Semester Credits

**PAS6200 Family Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in family medicine. Students gain experience in the evaluation, treatment and management (including referral) of common diseases and conditions encountered in an outpatient family medicine setting emphasizing infant, child, adolescent, adult and geriatric patients. Students actively engage in applying medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common problems encountered in ambulatory family medicine settings to include infant, child, adolescent, adult and geriatric patients. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of their patients. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6250 Internal Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in internal medicine. Students gain experience in the prevention, diagnosis and treatment of adult and geriatric patients in either the ambulatory/outpatient or hospital/inpatient settings. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of acute, chronic and emergent problems commonly encountered in the internal medicine outpatient and inpatient settings. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of patients. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6300 Pediatric Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in a pediatric care setting. Students actively engage in applying medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common medical problems and issues encountered in pediatric medicine. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of pediatric patients. Students gain knowledge and experience in the efficient and effective evaluation, treatment and management (including referral) of common acute and chronic diseases and conditions encountered in the pediatric population to include infants, toddlers, children and adolescent patients as well as the assessment and evaluation of the well child and growth and development milestones across these age groups. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6350 Women's Health Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in women's health. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common medical problems and issues encountered in women's health. A collaborative patient-centered, humanistic approach as well as health promotion, disease prevention, patient education and counseling are incorporated in student encounters with patients. Students gain knowledge, experience and clinical skills needed to effectively recognize, manage and treat common acute, urgent, emergent and chronic diseases and conditions encountered in gynecology, obstetrics and prenatal care. Students also focus on routine women's and prenatal healthcare maintenance and the changing health needs of women throughout their lifespan. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6400 Emergency Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in the emergency department setting. Students actively engage in applying medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of acute, urgent and emergent problems commonly encountered in emergency medicine. Students gain knowledge and experience in the rapid and methodical assessment, evaluation, stabilization and treatment of acutely ill, traumatic, urgent, life-threatening and/or emergent pediatric, adult and geriatric patient presentations and work as a member of the emergency department team. Students work under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6450 Behavioral and Mental Health Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in the behavioral/mental health setting. Students gain knowledge and experience toward the refinement of skills needed for the unique medical, physiological, behavioral and psychosocial components and issues common to the practice of psychiatry, behavioral and mental health. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common problems in patients with psychiatric, emotional and behavioral disturbances. Students work under the supervision of a program-determined licensed healthcare professional or the professional's designee(s) and adapt the standard medical history, physical examination, diagnostic and treatment plans to the psychiatric patient. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of patients.

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6500 Surgery Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the evaluation, treatment and management of common emergent, urgent, acute and chronic surgical diseases and conditions encountered in adult and geriatric patients to include pre-operative, intra-operative and post-operative care and management. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of problems encountered in the inpatient surgical setting. In addition, students work to expand their knowledge of surgical care as well as their surgical skills through active participation and engagement as part of the surgical team both within the hospital and operating suite settings. Students work under the supervision of a physician preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6600 Clinical Elective Course I**

Students are granted the opportunity to complete two five-week elective rotations designed to facilitate their ability to evaluate health-related problems encountered in an area of medical interest. It can include the choice to obtain additional experience in one or two of the core rotation disciplines or other medical specialties. Students actively engage in applying basic medical knowledge, demonstrating and continuing development of their clinical reasoning and communication skills to the evaluation, treatment and management of common diseases and conditions encountered within the discipline or medical specialty chosen. The experience enhances students' understanding of the role of a physician assistant within their chosen elective as well as to the unique care needs of the patient population within this medical setting. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6700 Clinical Elective Course II**

Students are granted the opportunity to complete two five-week elective rotations designed to facilitate their ability to evaluate health-related problems encountered in an area of medical interest. It can include the choice to obtain additional experience in one or two of the core rotation disciplines or other medical specialties. Students actively engage in applying basic medical knowledge, demonstrating and continuing development of their clinical reasoning and communication skills to the evaluation, treatment and management of common diseases and conditions encountered within the discipline or medical specialty chosen. The experience enhances students' understanding of the role of a physician assistant within the chosen elective as well as to the unique care needs of the patient population within this medical setting. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

4.5 Semester Credits

**PAS6800 Master's Course**

This course synthesizes learning from didactic coursework and supervised clinical practice experiences. Students participate in learning sessions that pertain to clinical medicine, patient care, and the transition to professional PA practice. Students also complete accreditation requirements for graduation, including a summative written examination, an Objective Structured Clinical Examination (OSCE), and an evidence-based medicine capstone project using research techniques.

Prerequisite(s): PAS5736, PAS5767, PAS5782, PAS5810, PAS5825, PAS5840, PAS5860, PAS5880, PAS5890, PAS5910, PAS5930.

Offered at Providence

1 Semester Credit

## Physics (PHY) Courses

**PHY1011 General Physics I**

This course is the first in a two-part introductory physics course sequence using algebra-based approaches to analyze physical phenomena. Students are introduced to vector algebra and the basic principles of classical mechanics, applying the concepts of work, energy, linear momentum and angular momentum to physical phenomena. This course must be taken concurrently with General Physics I Laboratory.

Prerequisite(s): MATH1020 or math placement, Corequisite: PHY1016.

Offered at Online, Providence

3 Semester Credits

**PHY1016 General Physics I Laboratory**

This is an introductory algebra- and inquiry-based physics laboratory course coordinated with PHY1011 General Physics I. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, vector algebra, kinematics, conservation of energy, momentum and rotational motion.

Prerequisite(s): MATH1020 or math placement, Corequisite: PHY1011.

Offered at Online, Providence

1 Semester Credit

**PHY1022 General Physics II**

This course is the second in a two-part introductory physics course sequence using algebra-based mathematical approaches to analyze physical phenomena. Students are introduced to heat, wave propagation, wave energy, reflection, refraction, electricity, magnetism, circuits and semiconductors. This course must be taken concurrently with General Physics II Laboratory.

Prerequisite(s): MATH1020, (PHY1011, PHY1016 or SCI1011, SCI1041),

Corequisite: PHY1026.

Offered at Providence

3 Semester Credits



### **PHY1026 General Physics II Laboratory**

This course is an introductory algebra- and inquiry-based physics laboratory coordinated with PHY1022 General Physics II. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, heat transfer, electric and magnetic fields, circuits, digital instruments and optics.

Prerequisite(s): MATH1020, (PHY1011, PHY1016 or SCI1011, SCI1041),

Corequisite: PHY1022.

Offered at Providence

1 Semester Credit

### **PHY2011 Physics I**

PHY2011 is the first of a two-part introductory physics course sequence using calculus-based approaches to analyze physical phenomena. It introduces students to vectors and the basic principles of classical mechanics, applying the concepts of work, energy, linear momentum and angular momentum to physical phenomena. This course must be taken concurrently with Physics I Laboratory.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: PHY2016.

Offered at Providence

3 Semester Credits

### **PHY2016 Physics I Laboratory**

PHY2016 is an introductory calculus-based physics laboratory class that meets three hours per week. It is an inquiry-based laboratory course coordinated with PHY2011 Physics I. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, vector algebra, kinematics, conservation of energy, momentum and rotational motion.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: PHY2011.

Offered at Providence

1 Semester Credit

### **PHY2022 Physics II**

PHY2022 is the second of a two-part introductory physics course sequence using calculus-based mathematical approaches to analyze physics phenomena. It introduces students to heat, wave propagation, wave energy, reflection, refraction, electricity, magnetism, circuits and semiconductors. This course must be taken concurrently with Physics II Laboratory.

Prerequisite(s): MATH1040, ((PHY1011, PHY1016) or (PHY2011, PHY2016) or (SCI1011, SCI1041) or (SCI2011, SCI2041)), Corequisite: PHY2026.

Offered at Providence

3 Semester Credits

### **PHY2026 Physics II Laboratory**

PHY2026 is an introductory calculus-based physics laboratory class that meets three hours per week. It is an inquiry-based laboratory course coordinated with PHY2022 Physics II. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, heat transfer, electric and magnetic fields, circuits, digital instruments and optics.

Prerequisite(s): MATH1040, ((PHY1011, PHY1016) or (PHY2011, PHY2016) or (SCI1011, SCI1041) or (SCI2011, SCI2041)), Corequisite: PHY2022.

Offered at Providence

1 Semester Credit

## Political Science (PSCI) Courses

### **PSCI1001 Introduction to Political Science**

Political Science is the study of how human beings create governments, leaders, laws and policies. This foundational course explores how and why politics involves all aspects of our everyday lives. The dynamics of politics center on acquiring, distributing, and/or restricting access to power held by citizens and states. From local politics to international relations, the study of politics enables understandings of who ultimately gets what, when, where, why and how - or not. This course therefore explores the major ideas that drive the ways in which leaders govern, the systems in which they operate, motivations and barriers for citizens to participate in political life, how institutions of government work, and the role of money and media in the making of politics, from Main Street to Wall Street. This course also considers the modes by which citizens drive change in their governments, from Facebook and the ballot box to mass-scale protests driving political revolutions of the 21st century.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSCI1030 Introduction to Political Theory**

This course examines the major political propositions and ideas advanced in Western political thought that address and analyze core political controversies. By considering many of the primary thinkers and classic texts influencing political thought, this course explores the foundational concepts of political science. Students are equipped with the intellectual tools to comprehend and rationally question political concepts such as justice, liberty, rights, equality, power, authority, law and sovereignty.

Offered at Online, Providence

3 Semester Credits

### **PSCI2001 International Relations and World Politics**

This course provides a comprehensive introduction to the study of international relations, core concepts and key theories of world politics. Presented in this course are foundational ideas for understanding major historical and contemporary events in world politics, the behavior of states, and their relationship to the global order. This course prepares students to interpret world politics through analysis of particular trends, patterns, crises and global change. The chronic nature of war and ceaseless search for peace are considered, exploring how twentieth century historical events contribute to the twenty-first century nature of international relations. Politics and economics are also considered, focusing on economic relations among advanced post-industrial economies and issues of development of non-western nations, emphasizing the Global South. The role of post-colonial legacies and the failure of states is an important theme of the course. Additional topics include critical and emerging analyses that imagine possible future systems of international relations; imperialism; cold war politics and its legacies; national security theory including deterrence and the role of international political and monetary organizations in world politics.

Offered at Online, Providence

3 Semester Credits

### **PSCI2050 Political Communications**

This course examines how political actors communicate, select and design their messages and choose the medium that delivers them. Topics include how previous "information revolutions" (e.g., the rise of newspapers and broadcast media) extend the reach of communication, and radically remake political participation by voters, interest groups and/or political parties. Emphasis is on identifying and evaluating "frames," the underlying, unspoken assumptions that support political communication in mainstream media. Students also examine how recent changes of digital media are currently altering or disrupting long-established patterns of voting, activism and voter opinion-making. Students research and evaluate claims regarding the long-term benefits and/or risks of a globally connected digital media network, including its effect on democratic participation, government surveillance and political legitimacy. Students develop, present and critique a political media project.

Offered at Online, Providence

3 Semester Credits



**PSCI2100 Comparative Politics and Government**

This course introduces students to the vital role that comparing systems of governments and political life plays in understanding the complex world of the 21st century and its politics. Through a focus on basic theories, analytical methods and questions in the field of comparative politics, students explore how political systems differ, how ideologies play a key role in defining political systems and governments, and the ways in which socio-cultural factors are a force in the making of particular models of government. Topics include the purpose of government and the role of the modern nation-state; autocratic and democratic structures of government; parliamentary and presidential democracies; elections and electoral systems; revolutions and political change; the influence of economics, religion and culture on government; globalization; and how governmental structures and institutions ultimately impact the lives of those governed. Country-specific case studies are examined throughout the course.

Offered at Online, Providence  
3 Semester Credits

**PSCI2150 American Constitutional Law**

This course examines the Constitution's role in the relationship between the American people and their government, the constitutional structure and power of the American government, the preservation of individual rights and liberties, and the work of the Supreme Court of the United States. In addition to considering the text, theories and seminal cases related to the Constitution of the United States, this course explores the political, cultural and historical influences contributing to American constitutional jurisprudence.

Prerequisite(s): Sophomore status.  
Offered at Online, Providence  
3 Semester Credits

**PSCI2200 Race, Politics and Power in America**

This course explores the pivotal question of why and how race matters so greatly to the making of politics and governance in historical and contemporary America. The course begins at the earliest formations of the U.S., underscoring the pivotal part that race played in defining citizens and rights during this era. Focus is on these foundational-period linkages to race and political rights and their political implications for the post-modern civil rights movement. Historical factors, status changes of minority communities in the U.S., and the idea of a post-racial society are compared and contrasted.

Offered at Online, Providence  
3 Semester Credits

**PSCI3005 Political Ideologies and the 21st Century**

Historical events and processes of the 20th century help us to grasp the rising political ideologies of the 21st century and the emerging ways in which these ideologies are expressed as organizations, such as ISIS. Political ideologies of the past and of this century often stand in opposition to each other, as demonstrated in globalization/anti-globalization movements. Movements such as anarchism, perceived as marginal in the U.S., play a considerable role in shaping political events abroad. Digital movements of disruption, such as Anonymous, represent new modes of ideology, power and expression. The fate of ideologies with their roots in the 19th and 20th centuries, such as environmentalism, feminism, fascism, and radical-right-wing and anti-government groups in the 21st century is explored. Emerging and splinter hate groups, insurgent, anti-state movements and alternative political models and organizations are examined in global context, from Canada to New Caledonia.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.  
Offered at Online, Providence  
3 Semester Credits

**PSCI3050 American Politics, Policy and Institutions**

This course is an exploration of the interrelationships between U.S. politics and institutions and one of their key functions: making public policy. The theoretical and political foundations of policy studies and the craft of policy analysis as an academic and professional discipline are introduced. This course assesses both formal representative institutions (e.g., legislatures and/or executives), and their relationship to informal institutions (e.g., political parties, interest groups and/or the media). In addition, students define and apply concepts and analytical tools in evaluating how effectively or efficiently a government provides public goods. Assignments and projects give students opportunities to apply these concepts and techniques to policy problems and dilemmas and to practice communicating their analyses and recommendations to decision makers and/or stakeholders in a professional format.

Prerequisite(s): ENG1021 or ENG1027, HIST3200, sophomore status.  
Offered at Online, Providence  
3 Semester Credits

**PSCI3100 Research Methods in Political Science**

This course explores the vital role research plays in the making of political science as an academic field of study. Probing how the scientific method works in the practice of studying, predicting and analyzing politics, this course investigates the array of qualitative and quantitative methods foundational to research in politics. How to research campaigns, political actors, processes and practices in both policy and legislative arenas, and their impacts comprises the scope of this course. The concepts and tools explored are pursued through continuous engagement with the empirical, utilizing seminal and current research in the discipline to introduce, reinforce and put to practice the ways in which design, data and results inform contemporary political thought and practice in both standard and innovative ways.

Prerequisite(s): Junior status.  
Offered at Online, Providence  
3 Semester Credits

**PSCI3150 Ethics in Public Life**

This course provides an introduction to ethics in political and institutional public life, the meaning of a fair and equitable society, and the obligations of public actors (elected officials, bureaucrats, lobbyists, advocates and others). Students identify and evaluate major theoretical frameworks, including utilitarian, Rawlsian and deontological ethics, and in discussing individual cases and dilemmas propose courses of action grounded in one or more of these ethical models. In addition, the course examines the organizational and political models that assist and/or interfere with the fulfillment of public ethical obligations. Students also assess the extent to which institutions may be organized to encourage desired ethical outcomes. Finally, students learn to develop and communicate their decisions through classroom exercises and in appropriate professional formats.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.  
Offered at Online, Providence  
3 Semester Credits

**PSCI3200 Women in American Political Life**

This course explores the role played by women in American politics and the effect of political decision making on women from the founding of the United States until the present day. Topics include women's acquisition of political power, including the struggle for suffrage and for the vote; the role played by women in creating public policy and the effect of policy on women; and women as reformers and political activists. Emphasis is on the role played by women of color as political actors in their communities and on the national stage.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.  
Offered at Online, Providence  
3 Semester Credits

### **PSCI3250 Dynamics of Contemporary Diplomacy and Statecraft**

This course traces the origins of diplomacy from the imperial post-Westphalian world order to the emergence of the concept of the diplomat and formation of the nation-state system in the wake of Woodrow Wilson's 14 Points, on to the present era of globalized, insurgent anti-state movements. This course utilizes case studies to illustrate the major themes organizing the study of diplomacy and statecraft, grounded in an exploration of core theories and dilemmas of diplomacy drawn from near past to the present. The course offers a systematic approach to the analysis of this interrelationship, drawing on key concepts and theories from political science.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

### **PSCI3300 Politics of Food, Human Security and Social Justice**

This course examines food as a medium of political life. The cultural politics of food and its connection to the production, distribution, consumption and waste of food to human security and social justice is discussed. Some of the issues addressed include food (in)security and sovereignty, body image and food, hunger and obesity, food citizenship, and the tension among government, industry, labor, consumers and food activists.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **PSCI3350 Political Parties, Social Movements and Interest Groups**

This course explores how political groups form and why they matter to political life in both authoritarian regimes and democracies. The impact of these groups on the effectiveness of political representation and the efficacy of governments is analyzed. Three types of groups central to U.S. politics are compared: 1) political parties, 2) social movements and 3) interest groups. This course explores dynamics driving the formation of these groups, such as interest articulation, ideology, grievances and contentious issues of policy. The impact of how these groups wield influence on the core institutions of government, individual political actors, media discourse, and voting behavior are explored. Key theories and thinkers that explain the processes and practices of interest articulation, underlying dynamics of collective identification and action, political mobilization, patterns and processes of lobbying behavior, and an investigation of their impact on the US political landscape are examined.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

### **PSCI3500 Special Topics in Political Science**

This course focuses on a different area, issue or theme each semester, depending on student interest and faculty opportunities to teach and lead innovative course initiatives. Possible topics include study of Congress, the presidency, Washington political culture and the role of the media, national security, political campaigns, public social policy, political violence, and regional studies (e.g., European Union, Middle East). Additional fees may apply depending on specific course section offered.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

### **PSCI4100 Issues in Political Theory: The Politics of Human Rights in Global Perspective**

This course explores categories of rights granted by the U.N. Declaration of Human Rights; ideological, political and cultural tensions concerning human rights; and their application to all peoples and societies. International failures to ensure these rights are analyzed in case studies. The politics of human rights, barriers to realizing human rights as a global priority for the 21st century amid worldwide atrocity and terrorism, and origins of the idea of individual rights and cultural analogues to western notions of rights are explored.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

### **PSCI4900 Capstone Seminar in Political Science**

This capstone seminar is the culmination of the learning experiences and skills students have acquired throughout the course of their political science program. Students develop a research thesis and professional portfolio in preparation for them practicing political science in a variety of professional settings and graduate school programs. The emphasis of this research/professional seminar is three-fold: 1) to support students in designing and making operational a research project, 2) to produce a portfolio and professional development plan, and 3) to write an effectively articulated research thesis. Students engage in on-going peer-review and consultation sessions with the purpose of encouraging a resourcefulness-approach to professionalism and personal skills enhancement, both in future career and academic pursuits. Throughout the seminar, emphasis is on supporting students to conceive of and articulate the applicability of their acquired skills and program-related experiences to their developing career and future study.

Prerequisite(s): PSCI3100, senior status.

Offered at Online, Providence

3 Semester Credits

## **Project Management (PRMG) Courses**

### **PRMG2010 Introduction to Project Management & Project Membership**

This course introduces students to the role and purpose of project management in today's workplace. The course is designed with an introductory perspective: focusing on what project management is all about, why it is important, what benefits and help it provides, and why it is a necessary part of today's career skillset. Key concepts and practices are explained from the 'non-project manager' perspective, providing answers and solutions to everyday questions and challenges in the field. Topics include: 1) the roles of the project manager, project member, subject matter expert and stakeholders – explained; 2) project, program and product implementation differentiators; 3) project requirements definition and the benefits of understanding project scope; 4) risk and risk management concepts; 5) understanding how project plans affect individual contributors — the notion of 'team'; 6) tasks, task reporting and testing; 7) quality and the project development life cycle; and 8) tracking a task and the cost, scope, time triad. Along with basic project management skills, students also learn about the role of communications, teamwork and people skills needed to successfully participate as a contributor in today's team-oriented workplace. Through topic lectures, class discussions and exercises, and relevant case studies, students explore the long and varied history and development of project management, how it has evolved over time into a recognized profession, and how project management can be utilized in practical, helpful and interesting ways.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PRMG3010 Intermediate Project Management Skills**

This course is designed for students who look to further their interests and understanding of project management. This course is focused on students learning the core skills required of a project manager. Skills development training occurs in the following areas: 1) listening, requirements gathering and project introduction; 2) writing, contracts, statements of work and scope development; 3) leadership, team building, and cooperation; negotiation, understanding boundaries; 4) estimation of effort; 5) risk analysis: identification, mitigation, minimization and transfer of risk; 6) coordination of activities and project focus; and 7) utilizing project management tools to build and track a project. Students engage in an overview of a structured project management approach, utilizing the Project Management Institute® Project Management Body of Knowledge (PMBOK®), a globally recognized framework for project management in today's workplace. Students learn how integration of these underlying concepts and practices provide a formalized structured approach to managing successful projects. Emphasis is placed on 'how' these are implemented and coordinated across the project life cycle, including planning, execution and completion. Students also expand their knowledge of the core project manager competencies and people skills, including active listening and communication, team leadership and dynamics. Students learn how to effectively apply these throughout the project, complementing their technical knowledge and skills.

Prerequisite(s): PRMG2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PRMG4010 Advanced Project Management Application**

This course is designed for students who want to pursue a career role as a project manager or whose career interests requires strong project management skills. Students engage in a detailed study of the Project Management Institute® Project Management Body of Knowledge (PMBOK®). Emphasis is placed on students developing an in-depth understanding of the full project management framework, including the PMBOK® process groups, knowledge areas, individual processes, and tools and techniques. Students further develop their knowledge and practical skills by applying the practices to individual and team-based projects of increasing scope and complexity. Utilizing relevant case studies of both successful and failed projects, students learn how to apply a structured approach to achieve project success and to avoid project failure. This course also reinforces the managerial and interpersonal skill sets needed for project managers to effectively work and collaborate with stakeholders, customers and team members. Through theory and practical application, students further develop the competencies to successfully manage larger scale projects and contribute demonstrable value to their organization. As a capstone-type course, students are eligible to sit for the Project Management Institute® Certified Associate in Project Management (CAPM®) exam to earn this industry-recognized professional designation.

Prerequisite(s): PRMG3010.

Offered at Online, Providence

3 Semester Credits

## **Psychology (PSYC) Courses**

### **PSYC1001 Introductory Psychology**

Introductory Psychology is the scientific study of behavior and mental processes. Ethical application of the scientific method is used to examine nervous system structures and functions, learning, memory, intelligence and states of consciousness.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC1011 Metacognition and Learning Strategies**

This course is a segment of the 10-month Wildcat Learning Effectiveness in Action Program (LEAP). The course provides LEAP learners with an applied, experiential exploration of metacognitive-based learning-strategy skill sets intended to enhance their self-efficacy as students and global citizens. Through an evidence-based practice, active learning design, LEAP students are introduced to, explore, and practice learning strategies focused on these core areas: metacognition, executive function, self-regulation, developing engaged-student, pro-active behaviors, focus, working memory, critical thinking and reasoning. These skills and schemas are acquired through an emphasis on the practice of techniques intended to enhance understanding via experiential engagement and reflective learning.

Prerequisite(s): Acceptance into Wildcat LEAP.

Offered at Providence

3 Semester Credits

### **PSYC1020 Introduction to Professional Issues and Ethics in Psychology**

This course explores the identity, professional values and diverse work settings in the field of psychology. Students learn about the scope of the broad field of psychology, as well as a variety of sub-disciplines. Fundamental skills for psychology students, such as scientific literacy and critical thinking, are explored, enabling students to critically evaluate research in the social sciences. Students also learn about ethical behavior, as well as examine critical historical events, contributors and landmark studies that shaped the field of psychology. The course illustrates the various roles that psychology plays in the understanding and shaping of modern society.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC2002 Abnormal Psychology**

This course examines the major theoretical approaches to psychological and other behavior disorders. Included are definitional criteria, causes, prevalence, related conditions and current treatment programs for both children and adults. Emphasis is placed on the sociocultural context of psychological disorders as well as on correcting common stereotypes about mental and emotional illness.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC2015 Human Sexuality**

This course is an exploration of human sexuality from a biological, psychological and socio-cultural perspective. It examines major theoretical perspectives that influence the scientific study of sexuality. Critical issues discussed include but are not limited to sexual identity and gender, sexuality and relationships, contemporary and cross-cultural views on human sexuality, rape and sexual exploitation and sexuality across the lifespan.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC2020 Industrial/Organizational Psychology**

This course emphasizes the psychological principles involved in group performance, power, leadership styles and behavioral motivation. It includes discussion and analysis of organizational research and the application of the results to businesses and industrial situations. It is designed to assist the business student in incorporating psychological knowledge into his or her managerial and leadership style in order to increase on-the-job productivity.

Prerequisite(s): PSYC1001.

Offered at Online, Providence

3 Semester Credits

### **PSYC2030 Developmental Psychology**

This survey course is designed to introduce the student to the concepts, theories and recent research in the area of human life span from conception to late adulthood. The integrative process of physical cognitive and psychosexual development during significant periods of maturation is examined.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC2040 Psychological Issues of Substance Use Disorders and Compulsive Behaviors**

This course examines the various types of substance use disorders and accompanying compulsive behaviors and symptomology related to these disorders. It focuses on problems related to the addictive process. Topics include but are not limited to compulsive gambling, alcohol and other substance use disorders, paraphilias, eating disorders and other compulsive behaviors. Relevant topics such as the addictive process and personality are addressed along with familial effects and psychosocial impact on all. Various treatment approaches and methods of recovery are discussed. Methods of awareness, identification and distinction between various compulsive disorders and substance use disorders and substance-induced disorders along with the biopsychosocial model of addiction are delineated.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC2100 Health Psychology**

This course examines the impact of psychological and behavioral factors on individual health and wellness. The application of theory in understanding and designing health education materials, behavioral interventions, prevention strategies, and improving access to health systems is emphasized.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSYC2200 Professional & Ethical Issues in Applied Psychology**

This course introduces students to the diverse career and professional development opportunities in the field of Applied Psychology. Grounded in the American Psychological Association's Ethical Principles of Psychologists and Code of Conduct, this course will introduce students to professional standards, communication styles in the discipline, values of the profession, and strategies to achieving career goals. A case study approach is used to highlight various applications of psychology to a range of scientific research, educational attainment, and career options.

Prerequisite(s): PSYC1001.

Offered at Providence

3 Semester Credits

**PSYC3001 Social Psychology**

This course features a study of individual behavior in relation to the social stimuli of modern life. The course involves the extension of general psychological principles and methods in the study of social behavior.

Prerequisite(s): ENG1021 or ENG1027, PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3010 Personality**

This course is a study of various personality theories in the context of psycho-philosophical differences in personality. Personality development, assessment methods, theoretical application, integration and critical evaluation of each theory are analyzed. Application of theory to actual and hypothetical cases is expected throughout the course.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3040 Introduction to Neuropsychology and Psychopharmacology**

This course considers the function and dysfunction of the human central nervous system with respect to higher order cognition and behavior. This course surveys the neuroanatomical, neuropathological, neurocognitive and neurobehavioral aspects of the brain, and provides an introduction to the psychopharmacological aspects of treatment in mental health counseling.

Prerequisite(s): PSYC2002, (SCI1015 or SCI1050 or SCI2031).

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3100 Community Psychology**

This course examines the historical and theoretical perspectives of community psychology: the interrelationship between individuals and the various family, friendship, neighborhood, work, and community systems in which they live. Using a scientific approach, key areas of focus include the application of psychological principles to understand and address social issues, engage in collaborative problem solving, and promote community development.

Prerequisite(s): PSYC1001.

Offered at Providence

3 Semester Credits

**PSYC3200 Cognitive Psychology**

This course examines the primary cognitive processes of attention, perception, and memory as the foundation for higher order thinking. Students examine and discuss early and current theories and methodologies in cognitive science and explain how primary cognitive processes lead to complex thought. A key component of course work includes conducting a literature review on an assigned or selected topic.

Prerequisite(s): PSYC1001.

Offered at Online, Providence

3 Semester Credits

**PSYC3350 Psychology of Motivation and Leadership in the Workplace**

This course examines current research and theories for motivation at work and how they affect the achievement of organizational goals and objectives. A chronological review of the field is included, as well as discussions around such topics as the importance of money, the relationship between job satisfaction and job performance, and the distinction between intrinsic and extrinsic motivation. A focus on understanding theories of leadership and their roles in creating and maintaining a psychologically healthy workplace is emphasized.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3420 Criminalization of Mental Illness**

This course examines the intersection of the psychiatric and penal systems in the United States. It examines the historical movements that served to locate the mentally ill within the criminal justice system. The moving of the mentally ill into prisons intended for criminal populations continues to be a significant concern in American society today. Particular attention is paid to the role of race and ethnicity, class, gender, and the Prison Industrial Complex that provide frameworks for understanding the social and psychological implications of this co-mingling of institutions, especially in their consequences for marginalized communities. Paying particular attention to the constitutional and global human rights concerning these imprisoned populations, this course explores the possibilities and opportunities for social and political change.

Prerequisite(s): PSYC1001.

Offered at Providence

3 Semester Credits

**PSYC4100 Brain, Environment, & Behavior**

This course explores the complex interrelationships between the biological basis of behavior and the environment with a focus on application of psychological principles to address current issues. Students will draw on previous knowledge of brain structures and functions and the interplay between environment and biology affecting cognition and behavior.

Students will select an approved topic, conduct interdisciplinary research and propose alternative strategies to improve quality of life.

Prerequisite(s): PSYC3200.

Offered at Providence

3 Semester Credits

**PSYC4150 Psychology of Conflict Resolution**

This course explores the definition, causes and methods used for resolution of conflicts. Causes for conflicts such as communication, beliefs and values, and lack of trust are discussed, as well as the approaches toward resolution of conflicts, such as the adversarial and non-adversarial approaches. Advantages and limitations are identified for each method.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC4200 Cultural Psychology**

This course offers knowledge, practice and application of the principles of Cultural Psychology. It examines the major theorists in this field and the application of their theories to human behaviors and interactions. It critically examines cultural psychological theories in both traditional western and non-western psychological models. Accordingly, the course elucidates the particular research methods that are specific to the study of psychology and culture. By examining the developmental processes of cultural identity, the course demonstrates the necessity of cultural psychology as a specific domain of inquiry. In addition, the course examines the divergent frameworks for understanding abnormal behavior and mental illness, as well as mental health and wellness, in a cultural setting. Finally, the course focuses on application and analysis of the themes of cultural psychology for their use in specific work situations and in our global world today.

Prerequisite(s): PSYC1001, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC4300 Contemporary & Critical Issues In Applied Psychology**

The culminating capstone experience in the major, this senior seminar asks students to synthesize the major theoretical perspectives of their field and apply these paradigms to their research on a specific critical issue. Through this course, students reinforce their knowledge of the field of applied psychology, explore contemporary issues and hone their professional communication skills. In addition, students reflect on their professional identity and develop a plan for professional development.

Prerequisite(s): RSCH2050, senior status.

Offered at Providence

3 Semester Credits



### **PSYC5200 Advanced Neuroscience and Psychopharmacology**

This course is an in-depth investigation into the principles of psychopharmacology from a clinical case perspective. Principles of action, efficacy, and safety of psychotropic drugs in treating psychiatric and behavioral disorders are focal points. An inquiry into the etiology and diagnosis of major mental disorders is examined. Emphasis is on modification of baseline neurotransmitter systems by current treatment protocols and medications under development.

Offered at Providence

3 Semester Credits

### **PSYC5400 Organizational Psychology**

This course provides the foundation for student's work in organizational psychology as the scientific study of how human behavior and attitudes are impacted by organizational culture and design. Topics covered within this course include individual attitudes, motivation, group dynamics, organizational culture and sociocultural influences on organizational climate.

Offered at Online, Providence

3 Semester Credits

### **PSYC5450 Attitude and Motivation in the Workplace**

This course examines the nature and importance of attitude and its integral connections to employee motivations. Employee attitude is often overlooked and undervalued as a workplace factor that can impact the degree of success experienced in today's organizations. Attitude can significantly influence the motivational levels of individual employees, workplace teams and entire operational units, resulting in dramatic changes to an institution's overall efficiency and effectiveness. Strategies for identifying and fostering positive attitudes that promote organizational health, growth and sustainability are discussed.

Prerequisite(s): PSYC5400.

Offered at Online, Providence

3 Semester Credits

## **Race and Ethnic Studies (RES) Courses**

### **RES1010 Introduction to Race and Ethnicity in the United States**

This course provides an overview of the concepts and constructs of race and ethnicity in the U.S. and serves as an introductory course for the Race and Ethnicity Studies minor. Students explore racial and ethnic identity from various perspectives, including literary, media, historical and sociological.

Critical thinking and research skills form the foundation of the course topics, discussions and assignments.

Offered at Providence

3 Semester Credits

## **Religion (REL) Courses**

### **REL2001 Comparative Study of World Religions**

This course introduces students to the world's great religions: Hinduism, Buddhism, Judaism, Christianity and Islam. Focus of the course is interdisciplinary and includes history, sociology, philosophy, psychology and textual/cultural analysis of each religion's literature in relation to these religions. The course highlights the diversity and commonalities of religious experience and expression as religions face 21st-century challenges. Students examine both the specific contexts and conditions in which a variety of religious traditions exist in the global era.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **REL3100 Food, Philosophy and Religion**

This course examines the role of food, alcohol, eating and cooking in the world's major philosophies and religions and the belief systems of antiquity and of many indigenous cultures in the Americas, the Arctic, Africa and Oceania, past and present. The course begins with a study of the religions and philosophies of animistic, pantheistic and polytheistic cultures in the ancient world and in historical and contemporary indigenous communities. The course ends with an investigation of how food's role in religious practice has changed over time to accommodate such forces as urbanization, industrialization and immigration. Among the topics to be covered are sacred and taboo foods, food as an object of sacrifice, fasting, the role of food and dining in the formation of religious identities and communities, monastic cuisines and dining practices, and food as a representation of the cosmos. Throughout this course, comparisons among religious traditions and between traditional practices and contemporary practices are drawn.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

## **Research (RSCH) Courses**

### **RSCH2050 Workshop in Acquiring Social Research Skills**

This course explores the concepts, steps and skills required for analyzing and conducting research grounded in the scientific method. The emphasis of this course is on acquiring research skills through practice-based learning. Students attain an understanding of the roles and approaches that distinguish quantitative and qualitative research methods. Students learn how to plan and write a research project prospectus and how to select and interpret data. Students acquire a working understanding of the analytical approaches necessary for evaluating the validity and credibility of primary and secondary research, learning also to use and interpret statistics in specific applied contexts. Students explore current professional ethical norms and practices in research. Students gain appreciation for understanding how research and society are vitally linked, while grasping the importance of the role of public scrutiny in research.

Prerequisite(s): MATH2001 or MATH2010, PSYC1001 or SOC1001 or SOC2005, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **RSCH3020 Honors Research Seminar**

This course prepares honors students to conduct the necessary research to successfully complete the honors thesis requirements for graduation from the Honors Program. Students evaluate a variety of research methods, engage in exercises in working with primary and secondary sources, and review appropriate documentation forms. The professor guides students in their choice of feasible research projects and serves as the major adviser during the development of an honors thesis prospectus. Students complete the honors thesis in RSCH4020 Honors Directed Academic Experience.

Prerequisite(s): ENG1024 or English placement, sophomore status, honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **RSCH3810 Undergraduate Laboratory and Field Research**

This course requires students to investigate a problem or question through a laboratory and/or field research study. Students develop skills essential for becoming an active member of the research community and workforce, such as scientific literacy, experimental design, modern research techniques, data collection and analysis, and oral and written communication.

Prerequisite(s): Minimum 57 earned credits and permission of instructor.

Offered at Charlotte, Online, Providence

3-6 Semester Credits

### **RSCH3830 Undergraduate Research Experience**

Under the supervision of a faculty mentor, students actively engage in all facets of an original research project. Original quantitative or qualitative research projects are permitted, depending on faculty availability. Research projects facilitate the development of critical skills in the field of interest and promote current and future professional development for the student.

Prerequisite(s): Minimum 57 earned credits and permission of instructor.

Offered at Charlotte, Online, Providence

3-6 Semester Credits



### **RSCH4020 Honors Directed Academic Experience**

The Honors Directed Academic Experience offers honors students the opportunity to develop and complete a capstone project begun in the Honors Research Seminar (RSCH3020). This project is completed under the direct supervision of an individual faculty mentor appropriate to the specialized field of research or other work undertaken by the student. Though students submit portions of the project to the faculty mentor at regular intervals, students are expected to devote a substantial amount of time to research, writing and other appropriate forms of independent engagement with their chosen subject.

Prerequisite(s): RSCH3020, honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **RSCH4050 Research Seminar in Psychology**

This capstone course is designed to complete the major program of study by integrating the student's prior academic experiences in psychology. A seminar format is used to encourage student participation and interaction with peers and faculty. Each participant chooses a topic within their area of interest. The topic is explored through individual research, periodic presentations and discussion. Discussion focuses on both substantive and methodological concerns as well as interconnections among areas of study.

Prerequisite(s): RSCH2050, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **RSCH5700 Research and Inquiry**

This course enables graduate students to develop problem-solving, critical thinking and quality decision-making skills that are important for professionals in all industries. Students evaluate research methodologies and develop techniques in critical thinking to improve their understanding and evaluation of industry information. The course examines the research process from preliminary data-gathering techniques to problem identification and hypothesis development. Students review pertinent data and literature as secondary sources, critique published materials and focus on the nature of primary, empirical research and the elements of research design. Particular attention is given to the student's perspective of the applicability of research to his/her career endeavors.

Offered at Online, Providence

3 Semester Credits

### **RSCH5800 Evidence-Based Research in Management**

This course enables graduate business students to develop problem-solving, critical thinking and quality decision-making skills that are important for professionals in all industries. Students evaluate the credibility of the various sources of organizational information (practitioners, the research literature, organizational data, and stakeholders) and develop techniques in critical thinking to improve organizational decision-making. For each source of information, the course examines the three critical elements of knowledge creation: ask, acquire and appraise.

Offered at Online, Providence

3 Semester Credits

### **RSCH6100 Research and Theories in Addiction Counseling**

This course builds on previously acquired knowledge about research methods in the field of counseling. Emphasis is placed on critically examining research and research instruments, with an overall goal of developing the skills necessary to design a research study, and collect and analyze data. Students are prepared to use data to assess and improve performance in their chosen field, especially as it relates to addiction counseling.

Offered at Providence

3 Semester Credits

### **RSCH6150 Research and Theories in Mental Health Counseling**

This course builds on previously acquired knowledge about research methods in the field of counseling. Emphasis is placed on critically examining research and research instruments, with an overall goal of developing the skills necessary to design a research study, and collect and analyze data. Students are prepared to use data to assess and improve performance in their chosen field, especially as it relates to mental health counseling.

Offered at Providence

3 Semester Credits

## **Retail (RTL) Courses**

### **RTL1015 Introduction to Retail and Fashion**

This course is an overview of the retail and fashion industries. Students explore historical influences on contemporary industries as well as the process of developing and producing apparel products and retailing consumer goods. Types of retailers and retail channels are emphasized as are industry research methods.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **RTL2005 Global Sourcing**

This course allows students to examine the import marketing process, import regulations, sources of supply, supplier management and development, and transportation in order to learn how to participate in the global marketplace and negotiate in cross-cultural situations.

Prerequisite(s): MRKT1001 or RTL1005, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

### **RTL2008 The Textiles Industry**

This course provides a comprehensive overview of the textiles industry. Students explore fibers, yarns, fabrics, dyes, prints and finishes. Emphasis is on factors that affect the hand, appearance and performance of textiles and textile products. The manufacturing of yarns and fabrics (woven, knitted and nonwoven) are examined in order to evaluate appropriate end uses.

Prerequisite(s): RTL1005 or RTL1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **RTL2010 Apparel Quality Analysis**

This course provides students with a method for evaluating the quality of ready-to-wear apparel. Students explore textiles, construction techniques, performance characteristics and the link between quality and price. Focus is on making informed business decisions in fashion merchandising and marketing using an understanding of how apparel is produced and an appreciation of the features that affect cost and quality.

Prerequisite(s): RTL2008.

Offered at Charlotte, Providence

3 Semester Credits

### **RTL2050 Fashion Promotion**

The course explores the principles of fashion promotion as they relate to planning, selling and marketing fashion merchandise to consumers. Students explore the nature of the contemporary fashion promotion industry, and its use of integrated marketing communications to inform consumers of trends and styles.

Offered at Online, Providence

3 Semester Credits

### **RTL2122 Retail and Fashion Lab**

This course is a career exploration of a variety of merchandising functions. Part of this course takes place in a laboratory setting with students completing hands-on assignments resembling merchandise management activities. Students conduct market analysis, trend research, buying, and visual merchandising under the supervision of faculty with industry expertise. This course includes industry field visits. Students are encouraged to examine personal and professional goals as they visit with local industry hosts and alumni. Students develop professional skills and network with industry speakers as they discover many retail and fashion career paths.

Prerequisite(s): RTL1015, sophomore status.

Offered at Charlotte, Online, Providence

4 Semester Credits

### **RTL3010 Merchandise Buying**

This course provides the student with principles of merchandising buying. Students review the environmental factors that influence the behavior of consumers and the techniques for predicting merchandise cycles. This course outlines the merchandising activities and marketing trends of those industries involved with producing and selling goods in the marketplace. Students examine the merchandising activities and decisions expected of a buyer at the retail level. Buying activities are compared for a variety of retail settings.

Prerequisite(s): RTL1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3030 Cases in Fashion and Retail**

This course analyzes and compares fashion and retail merchandise and management techniques used in specialty store, department store, chain store and mass merchandising operations. A case study approach is used in evaluating merchandise and management decisions in a variety of cases involving issues, types of operations and levels of management.

Prerequisite(s): RTL2063, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3055 History of Fashion**

This advanced course focuses on the elements affecting dress from antiquity through the 20th century. Using an interdisciplinary approach, students explore the complex relationship between dress and textiles as a reflection of material culture and phenomena, such as social structure, technology, aesthetics, geography, politics and religion. The constants and changes in human ecology are analyzed using primary sources including archeological discoveries, artworks, written documents, period photographs and extant objects. Critical thinking skills and scholarship are emphasized as students apply a historical framework to real-world issues in today's global marketplace.

Prerequisite(s): Junior status.

Offered at Charlotte, Providence

3 Semester Credits

**RTL3065 Forecasting**

This course provides an overview of the field of fashion forecasting. Students learn to research, identify and evaluate trends in themes, colors, textiles and styles, as well as their impact on the textile and apparel industries. They explore garment components in order to better recognize fashion trends and develop fashion forecasts based on consumer, aesthetic and market research.

Prerequisite(s): RTL2095 or RTL2122.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3075 Textile Design for Apparel and Home Furnishings**

This hands-on course is an introduction to basic textile design techniques used by designers and manufacturers. Topics include the aesthetic and performance characteristics of fibers, yarns, weaves and knits, as well as motif development and pattern design. Methods of design incorporate dyeing, printing, surface manipulation, and embellishments. The development and ethical issues of the textile industry are also explored. Students develop an appreciation for the historic and cultural value relevant to each method and create collections of textile samples for both apparel and home.

Prerequisite(s): RTL2008.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3150 Special Topics in Fashion, Retailing and Marketing**

This course is a study of how fashion, retailing and marketing trends today impact consumers, business and society. Emphasis is on current literature, advanced problems and research tools applicable to the chosen topic. This course focuses on a different area, issue or theme each year, depending on student interest. The topic area may not be usually found in the conventional classroom course.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**RTL3212 Sustainability in the Fashion Industry**

This course is designed to introduce students to the topic of sustainability in the fashion industry. Students are exposed to the core issues and challenges of sustainable apparel. Focus is on the management of processes involved with raw materials, textile production, apparel design, manufacturing, selling and disposal in order to produce a positive impact on society. Concepts of the fashion supply chain and its sustainability (environmental, economic and ethical) are examined.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3240 Retail Math**

This course teaches the concepts, practices and procedures for math utilized in merchandising. Students use calculations and interpretations of figures needed to allocate merchandise investments, control of sales, and control inventory (including planning and pricing) to be profitable in retail environments. The course approaches retail management from the standpoint of the retail businessperson and is intended to serve as a tool for the student of merchandising management.

Prerequisite(s): RTL1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3350 Visual Merchandising**

This course aids students in the development of skills necessary to the creation of strategic and innovative visual merchandising. Emphasis is on the importance of color and composition, types of displays, fixtures, and brand image. Other topics include the use of mannequins, mannequin alternatives, signage and floor plans, as well as display space conceptualization and implementation.

Prerequisite(s): RTL1005 or RTL1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL4050 Strategic Planning in the Fashion Industry**

This senior-level capstone course integrates theory and real-world situations. Using research, data collection and analysis, students evaluate, formulate and implement business strategies for the fashion and retail industries. This course examines the momentum of omni-channel retailing as brick and mortar, e-commerce, and social commerce create seamless shopping experiences. Students research financial, merchandising, and competitive data from fashion and retail organizations and determine advanced merchandising strategies.

Prerequisite(s): RTL3030 or RTL3065, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL6010 Concepts and Theories in Fashion and Merchandising**

This course explores and analyzes the role and purpose of theories and concepts, focusing on those applicable to fashion and merchandising research. Based on the interdisciplinary and multidisciplinary nature of fashion and merchandising, various fields are examined including verbal and nonverbal communication, consumer behavior, marketing and technology. Using appropriate research methods, students design original research based on theoretical or conceptual frameworks.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

**RTL6030 Ethics in the Fashion Industry**

This course analyzes ethics and moral principles as they relate to laws, policies, and practical issues in the global fashion industry. The emphasis of this course is on the application and evaluation of scholarly articles, case studies, and real-life ethical dilemmas using an ethical decision-making model. Students recognize and critique ethical problems linked to the design, production, retailing, and consumption of apparel.

Prerequisite(s): RTL6010.

Offered at Online, Providence

3 Semester Credits

**RTL6040 Sustainability in the Apparel and Retail Industry**

This course covers current apparel and retail sustainability theories, research and methodologies. Emphasis is on the evaluation and discussion of current sustainability literature and sustainable practices of apparel, textiles and related products and services. Students assess the viability of emerging international apparel manufacturing countries in terms of environmental sustainability.

Prerequisite(s): RTL6010.

Offered at Online, Providence

3 Semester Credits

### **RTL6050 Merchandising Management in the 21st Century**

This course examines past and present theoretical perspectives and research with respect to changes in merchandise management and current retailing practices. Many aspects of merchandise management and retailing are examined and analyzed including historical settings, current global and business environments, digital technology and management. Students assess and critique a range of management practices, working in individual, dyadic and group settings.

Prerequisite(s): RTL6010.

Offered at Online, Providence

3 Semester Credits

## **Risk Management (RMGT) Courses**

### **RMGT2001 Enterprise Risk Management**

This course focuses on the aspects of enterprise risk management (ERM) in business, including the methods and processes used by organizations to manage risks and seize opportunities related to the achievement of their objectives. The course provides a framework for the identification, assessment, monitoring and mitigation of risk as it relates to the business enterprise including identification and mitigation of strategic, marketing, financial, supply chain, information technology, health/safety risks and corporate governance.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **RMGT3001 Emergency Planning and Business Continuity**

This is a survey course of the practical implications of emergency planning with a particular focus on business continuity during a crisis situation. The focus of this course is applied and case-study rich, and provides students with a detailed understanding of the various considerations in emergency and continuity situations frequently encountered during a crisis.

Prerequisite(s): BUS1001 or MGMT1001.

Offered at Online, Providence

3 Semester Credits

### **RMGT4010 Risk Analysis and Loss Prevention**

This course focuses on risk management and loss prevention. Risk countermeasures and their pros and cons are addressed. Students are provided with a systematic approach to logical decision-making about the allocation of scarce security resources. This course describes the risk management methodology as a specific process, theory or procedure for determining assets, vulnerabilities and threats, and how security professionals can protect them.

Prerequisite(s): RMGT2001.

Offered at Online, Providence

3 Semester Credits

## **Science (SCI) Courses**

### **SCI1005 Introduction to Botany**

This course provides a comprehensive description of the structure, physiology and reproduction of plants of economic value. Focus is on the relationship between plants and humans, including the role of plants as food sources such as rice, corn and wheat, as well as industries which are plant based. The importance of plants in maintaining environmental balance is also discussed with an emphasis on topics of current interest.

Offered at Providence

3 Semester Credits

### **SCI1010 Environmental Science**

This course presents major scientific concepts dealing with the biological and physical nature of the world we live in. A major theme is the impact of human population and economic growth on the biodiversity and ecosystems of our planet, considering how sustainable use of the world's resources may be achieved for both developing and developed nations. Topics such as energy, air, water or resource use, land use and agriculture are discussed.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI1015 Introduction to Life Science**

This course describes key biological and chemical principles that apply to all living things. Evolution and natural selection are studied as an explanation for the history of life on Earth. Students examine cells and cell functions, genetics, as well as structure and function of human body systems. Application of scientific methodology is included.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI1030 Marine Biology**

This course is an introduction to both the biological and physical aspects of the marine environment, including a survey of the organisms that inhabit the world's oceans, their ecology, species evolution and distribution, and the human impact of commercial marine-related industries. Of particular interest are seafood, shellfish and marine plants as marine food sources, as well as shipping and maritime industries.

Offered at Providence

3 Semester Credits

### **SCI1050 Nutrition**

This course in basic human nutrition examines metabolic energy derived from carbohydrates, proteins and lipids. Pathways for utilization of this energy to build new biomolecules, including nucleic acids, are discussed, as are the consequences of nutrient deficiencies. Ways to achieve and maintain nutrient balance are a central part of the course. The significance of vitamins and minerals and possible toxicity due to overabundance are also discussed. Computer-based dietary analysis is a key component of this course.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI2020 Introduction to Exercise Physiology**

This course introduces topics in the physiology and anatomy of exercise, cardiovascular fitness, nutrition, and weight control. Emphasis is placed on understanding the scientific basis for a wellness program.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI2030 Introduction to Ecology**

This course combines biology and other sciences to study how living things interact with each other and with their nonliving environment. Topics such as competition and predation, the one-way flow of energy and the cycling of nutrients through ecological communities are examined. Other topics such as biodiversity, major terrestrial and aquatic biomes, succession, and the methods and goals of environmental conservation are discussed.

Offered at Providence

3 Semester Credits

### **SCI2031 Anatomy and Physiology**

This course covers the anatomy and physiology of the human organism, based on the cell, tissue, organ and system structures of the body. An integral part of this course is the learning of medical terminology.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI2120 Introduction to Microbiology**

This course introduces the basic morphological, physiological and genetic aspects of various microbes, and explores the application of this information to medical, agricultural and industrial settings. Key topics include the following: structure/function relationships, factors affecting the growth and control of microorganisms, microbial genetics and evolutionary mechanisms, host-microbe interactions, and applied microbiology. This course combines both lecture and laboratory components. Topics covered in the laboratory portion of the course both support lecture content and allow students to develop introductory laboratory skills.

Prerequisite(s): CHM2040 and SCI1015.

Offered at Charlotte, Providence

3 Semester Credits

### **SCI2350 Honors Seminar: The Scientific Implications of Mass Food Production**

This course focuses on the health and environmental impacts of the industrialization of food production. Specifically, students investigate the molecular techniques used to engineer genetically modified foods, the use of antibiotics and hormones in animal production, the biological modes of action of both pesticides and herbicides, and the industry's contribution to environmental pollutants and greenhouse gases. Students gain insight into scientific research methods through readings and classroom discussions. Scientific research articles are used to investigate the consequences of current production techniques. In addition, students develop an understanding of the scientific method by designing and conducting experiments in a laboratory setting. Students demonstrate their understanding of this topic with the completion of a research project.

Prerequisite(s): ENG1024 or English placement, honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **SCI3020 Sustainability Policy and Planning**

In this course, students are introduced to the application of scientifically-sound sustainability policies and their effects. Through the study of relevant case studies, this course demonstrates how corporate leaders can gain a strategic advantage by fostering sustainable development principles within their organizations. Businesses have typically been viewed as major contributors to environmental problems, but they have also been extremely important participants in solutions. Students investigate policy efforts that promote responsible management of social, economic, and environmental resources and examine the role of governments, markets, and nonprofit organizations in the implementation of sustainable development laws and policies.

Prerequisite(s): ENG1021 or ENG1027, (BIO1022 and BIO1026 or (SCI1010 or SCI1015)).

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI3070 Food Sustainability**

This course introduces students to the natural science aspects of sustainability in food production, agriculture, aquaculture, food distribution, and environmental considerations. Topics include such emerging areas as organic food industry, slow food movement, local food production, and sustainable food production practices. The class integrates theoretical principles of agriculture and aquaculture sustainability with hands-on learning exercises and evaluates the environmental, social and economic aspects of sustainable food production issues.

Prerequisite(s): ENG1021 or ENG1027, BIO1022 and BIO1026 or SCI1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI3080 The Business of Sustainability**

This course reveals the business advantages of integrating the scientific principles of environmental sustainability in commerce. The application of sustainability principles to business management is investigated. How environmental issues can drive markets and be used to manage risks and costs is examined. The economic necessity of sustainable business practices is analyzed. Business practices are evaluated to determine their true environmental impact.

Prerequisite(s): ENG1021 or ENG1027, BIO1022 and BIO1026 or SCI1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SCI4090 Research Seminar in Sustainability**

This course is a capstone of the student's undergraduate work in the sustainability minor and an introduction to the professional practice of sustainability. The Research Seminar in Sustainability is designed to provide students with opportunities to experience the methods used in business, nonprofit, and government sustainable development initiatives and programs by approaching a single issue from a variety of perspectives. Student groups select topics related to the main issue. Topics are clustered within the categories of policies and sociology, economics, or health and environment. Each group analyzes its topic, discovers relationships to the main issue and other groups' topics, and presents their findings to the entire class. This multidisciplinary seminar serves as an integrative course employing the strategies that will build a sustainable future.

Prerequisite(s): BIO1022 and BIO1026 or SCI1010, SCI3020, SCI3070, SCI3080.

Offered at Charlotte, Online, Providence

3 Semester Credits

## **Sociology (SOC) Courses**

### **SOC1001 Sociology I**

This course provides an introduction to sociology with the focus of study on how humans interact within a society, both as individuals and in groups. Emphasis is placed on sociological methods and perspectives/paradigms.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SOC2002 Macrosociology**

This course explores the large scale patterns, processes and structures of social life. It does so through the examination of those institutions or social systems that comprise the central structure of society and which are essential to the survival of both individuals and groups. This course examines both how such institutions influence people's everyday life in a variety of societies, and also how the institutions are shaped by cultural, economic, historical and political forces that are increasingly intersecting and global in nature.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

### **SOC2005 Honors Seminar: Social Inequalities**

Gender, race, class: Have you ever wondered about the extent of those inequalities today? How are inequalities accomplished and maintained? This Honors Seminar serves as an introduction to sociology with a focus on the inequalities of race, gender and especially class. The operations of these inequalities are studied at both the micro, person-to-person level and the macro, institutional level. Students make use of both qualitative and quantitative research methods to explore how the micro and macro levels of analysis connect, and also how race, class and gender intersect.

Prerequisite(s): ENG1024 or English placement, honors status.

Offered at Charlotte, Providence

3 Semester Credits

### **SOC2010 Sociology of Digital Environments**

This course provides an introduction to the digital world as both a setting of social interaction and as a social and historical phenomenon. Attention is given to the ways that virtuality has both transformed and been influenced by other institutional domains such as family, media, art and work. This focus on the digital world advances students' sociological understanding of the human experience.

Offered at Charlotte, Providence

3 Semester Credits

### **SOC2012 Microsociology**

This course investigates questions (such as, where does individual identity and behavior come from?) using microsociology, the study of both face-to-face interactions and also the processes of routinization and ritualization underneath them. Students learn that although each person is born into a culture of well-established symbols and structures, these abstractions are made of (and changeable via) interpersonal interactions, which run the gamut from socialization, to attraction, altruism, obedience, prejudice, deviance, and aggression. In all of them, microsociology inquires into people's motives as they reproduce, or dispute, meanings, power and knowledge.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits



**SOC2035 Sociology of Aging**

Aging is a lifelong process that affects individuals, families and cultures across the globe. It encompasses a multitude of dimensions — physiological, emotional, cognitive, economic and interpersonal — that influence a person's physical and social well-being. This course examines aging from multiple perspectives and addresses the roles that individuals, families, service industries and government play in attempting to meet the needs of this growing population.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

**SOC2040 Community Leadership: An Applied Sociology**

This interdisciplinary course [sociology, leadership and service learning] is designed to provide students with the opportunity to combine theoretical learning with actual volunteer work at a nonprofit organization. Through student-initiated placement at one of many pre-designated sites, students are exposed to various aspects of the not-for-profit industry including administrative, fundraising and community outreach responsibilities, as well as having personal contact with the organization's clientele. Additionally, students are expected to utilize their leadership skills by initiating a substantial agency-based project, in conjunction with their on-site supervisor, which serves as a tangible contribution to the overall organization.

Offered at Providence

3 Semester Credits

**SOC2050 Cultures of Africa**

This course gives students a grounding in the cultures of Sub-Saharan Africa. Students consider how the lives of Africans have been shaped by many forces: geographic, economic, religious, historical, political, linguistic and social. Students become more familiar with many Sub-Saharan African cultures by examining films, television programs, literature and newspapers from around the continent, in addition to more traditional academic sources.

Offered at Charlotte, Providence

3 Semester Credits

**SOC2055 Honors Seminar: Peoples and Cultures of Africa**

This course provides honors students with an in-depth exploration of the human experience of living Africa, through an exploration of the peoples of the continent and the contexts in which their lives are lived. Africa is an immensely diverse, complex, historically rich, economically significant and geo-strategically important part of the globalized world. From the great African empires of pre-history to colonization, decolonization and a post-modern, independent Africa, this course explores key geopolitical, historical, social, cultural and political-economic dynamics that continue to challenge the people of the continent, through a region-by-region approach.

Prerequisite(s): ENG1024 or English placement, honors status.

Offered at Charlotte, Providence

3 Semester Credits

**SOC2070 Social Issues in Contemporary America**

This course is designed to provide the student with a realistic understanding of contemporary social issues. The course focuses on the origins, nature and interrelationships between the various topics. Students are encouraged to consider people and conditions in society that pose problems, and to attempt to develop solutions to those problems.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SOC2100 Sociology of the Family**

This course introduces students to the sociological investigation of the core institution of family. Emphasis is on social, cultural, political and economic forces on family systems and to changes in family life and family structure both in the United States and globally.

Offered at Providence

3 Semester Credits

**SOC2620 Classical Sociological Theories**

This course introduces students to the intellectual, social and foundational history of sociology in the major historical transformation of the eighteenth through early twentieth century, primarily in Europe and the United States. Topics include sociological theory, a theory's value and how one might evaluate it. This course sets the stage for students moving on to study contemporary sociological theories and their various forms of expression.

Prerequisite(s): SOC1001 or SOC2005, any other SOC-designated course.

Offered at Online, Providence

3 Semester Credits

**SOC3020 Culture and Food**

This course is on the sociology of food. Students think and rethink the place of food in the human experience and consider topics such as how food and gender intersect, symbolic group boundaries affect how people eat and drink, and cultures share and adapt each other's foods. Students explore how the discipline of sociology examines food as a cultural and social artifact and the role that it plays in societies today.

Prerequisite(s): ENG1020 or ENG1024 or English Placement or SOC1001 or SOC2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SOC3025 Cultural Tapestry: Perspectives in Diversity**

This course approaches the study of diversity by offering students an opportunity to understand the meaning of difference from a multitude of perspectives. Students study how categories of diversity are created, the experience of being perceived as different in society, and the consequences of difference as gauged by the allocation of privilege and resources to differing groups within society. Such categories as race, ethnicity and national identity, socioeconomic status, gender differences, sexual orientation, learning styles and religious affiliation are addressed. Similarities between ethnic groups and cultures are also examined. The sociological paradigms/perspectives are also utilized in the study of diversity. Students shape a presentation that addresses diverse subject matter in an experiential manner. As the course concludes, attention is directed towards identifying strategies that can be employed both on a macrolevel in society and on a micro-level within the students' realm of influence, to broaden the acceptance of differing perspectives in a pluralistic society.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

**SOC3060 Deviant Behavior**

The purpose of this course is to provide students with a clear understanding of the nature and meaning of deviance. Students learn what is considered the norm in society, what is outside the norm, and how each is relative in nature. Theoretical explanations, cross cultural references and in depth analyses of deviant behavior are studied from the three dominant sociological paradigms. Who defines deviance, what is deviant, why deviance persists, the effect of labels, and the personal and social effects of deviance are discussed.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SOC3100 Sociology of Race and Ethnicity**

This course confronts the questions of whether every person has both a race and an ethnicity, if these "memberships" matter more in some people's lives than others, and why there is conflict sometimes about what the groups are and who belongs where. Focus is primarily on the United States, but global migration is an important part of the story both in the nation's founding and today as national borders greet global citizens with mixed results. Rather than a survey that characterizes one racial-ethnic group after another, this course emphasizes the social construction of races and ethnicities as historically specific, relational and changeable.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Providence

3 Semester Credits



**SOC3200 Environmental Sociology**

This course explores the relationships between society and the environment. It investigates how sociologists and others analyze human-nature interactions. Focus is on how environmental factors such as regional climate change, toxins, availability of resources and natural disasters have shaped social phenomena and how human activities have impacted biological systems and the physical environment. Students investigate the social structures and institutions in our society affecting environmental quality at the local, national and global levels. This course also assesses relevant characteristics of society such as intersecting inequalities, types of environmental movements and social change.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

**SOC3300 Gender in Global Perspective**

This course explores the ways in which gender is distinctly socially constructed in societies and places across the globe. Emphasis is on the social factors that shape gender relations and make ideas about gender different in one place from another. Exploring how the elements of everyday life and sociology interact (culture, economics, politics, history and religion), this course investigates the performances of gender roles and the expectations that align with them. The social construct of the binary idea of gender is challenged in human terms, from both biological and socio-cultural perspectives. This course also uses case studies of various gender relations internationally to explore the many contexts in which ideas, scripts and performances of gender occur.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Providence

3 Semester Credits

**SOC3620 Contemporary Sociological Theories**

This course extends the work completed in SOC2620 Classical Sociological Theories with a focus on sociological theory from the latter half of the twentieth century into the twenty-first. Emphasis is on the varieties of sociological expression that have emerged and solidified in connection with empirical research. Additionally, attention is given to the social and intellectual contexts of sociological theorizing. Focus is on the viability of the much-touted "sociological imagination" in the present context.

Prerequisite(s): SOC2620.

Offered at Online, Providence

3 Semester Credits

**SOC3720 Intersecting Inequalities**

This course is a study of how intersectionality (the new intellectual tradition of considering class and race and gender not separately, but simultaneously) can enrich both theory and research for all of us. Topics include how sociology has always been concerned with economic inequality, and more recently with inequalities of race-ethnicity and of gender.

Prerequisite(s): SOC3620.

Offered at Online, Providence

3 Semester Credits

**SOC3850 Research Applications and Interventions**

This course documents many instances of research helping to advance social well-being and justice, as well as instances when social science has been used to support misery and injustice. Students develop a cautious and well-informed approach to maximizing positive impacts in the research they use and conduct. After completing this course, students are prepared to conduct their own original research in the Sociology Capstone course.

Prerequisite(s): SOC1001 or SOC2005, RSCH2050.

Offered at Online, Providence

3 Semester Credits

**SOC4900 Capstone in Sociology**

In this senior capstone course, students synthesize together their knowledge of theories and research methods with topical knowledge at both the micro and macro levels. Following their individual areas of interest, each student designs and conducts an original research project. Students share peer feedback, then build professional skills with final presentations. Throughout, in accordance with the stated outcomes of the major, college and university, the seminar strengthens students' sense of themselves as positive community members, and their competencies in communication, reasoning and problem-solving.

Prerequisite(s): SOC3850, junior status.

Offered at Online, Providence

3 Semester Credits

**SOC5030 The Global Food System**

This interdisciplinary course provides students with an overview of food systems characteristics, exploring how local and regional influences compare with those occurring at the global level. Exploration of major historical developments in the food systems of the past 500 years occurs in order to comprehend how they are influenced by social, political, economic and ecological environments. Students explore the complexities and diversity of the global food system identifying potential challenges facing producers, consumers and policy makers. Aspects of the global food system are examined in the context of a variety of environmental and social challenges ranging from sustainability, climate change and ecosystem degradation to rising rates of obesity and malnutrition. Students debate the challenges of providing a modern food system that can sustain a growing global population living in the midst of increasingly post-industrial societies.

Offered at Providence

3 Semester Credits

## Spanish (SPAN) Courses

**SPAN1001 Conversational Spanish I**

This course is an introduction to the Spanish language with emphasis on vocabulary acquisition, basic grammar construction and oral communications. Students who have studied more than one year of this language are required to take the foreign language placement exam.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPAN1002 Conversational Spanish II**

This lower, intermediate-level course is designed to further develop conversational ability by expanding both the vocabulary and the exposure to Spanish-speaking cultures. Emphasis is on advanced verb forms and idiomatic expressions.

Prerequisite(s): SPAN1001 or language placement.

Offered at Online, Providence

3 Semester Credits

**SPAN2001 Conversational Spanish III**

This proficiency-based course is designed for students who are at the ACTFL Novice Mid proficiency level in Spanish. This course requires active participation from students as they develop their skills in written and oral communication and reading and listening comprehension. Students learn at least 250 new vocabulary words, foundational grammar and basic verb tenses, and reach an ACTFL Novice High proficiency level. Students are introduced to the culture and geography of the Hispanic-speaking world.

Prerequisite(s): SPAN1002 or language placement.

Offered at Online, Providence

3 Semester Credits

**SPAN2020 Spanish Language Immersion**

This course, delivered overseas by international language institutes, is designed to develop both fluency in the target language and an in-depth understanding of the historical cultural contexts in which the language is spoken. Students acquire vocabulary through classroom lectures, discussions, required excursions and activities. Students also partner with native speakers of the target language to improve comprehension and communication skills.

Offered at Charlotte, Providence

6 Semester Credits

## Special Education (SPED) Courses

### **SPED5110 Inclusive Teaching of Exceptional Learners**

This course examines the theoretical perspectives, general procedures, federal law and Rhode Island regulations of educating students with exceptionalities in today's schools. Special attention is given to the inclusion of students with exceptionalities in the regular classroom to ensure access to high quality teaching and learning. Parent involvement and advocacy are examined.

Participants gain experience and understanding that inclusive practices are intricate and collaborative work through their lab experience and course content. Participants gain knowledge of the characteristics and needs of all students, including gifted and talented students and those from diverse backgrounds.

Offered at Providence

3 Semester Credits

### **SPED5120 Assessment and Evaluation of Exceptional Learners**

Teacher candidates learn the steps in the special education referral and evaluation process as delineated by federal and state regulations. Students use methods and tools of structured observations, determine appropriate assessments, present and discuss test results as part of an evaluation team, and collaboratively develop an Individualized Education Plan (IEP) for students with disabilities, including vocational opportunities for secondary students. Participants learn the role of the special educator as advocate throughout these processes and the necessity of maintaining confidentiality. Use of informal strategies (i.e., running records, IRI, analysis of writing and work samples) is emphasized as part of a comprehensive, problem-solving and decision-making evaluation system that systematically monitors student progress. Students employ technology and formal and informal assessment measures to determine eligibility and to develop the IEP.

Prerequisite(s): SPED5110.

Offered at Providence

3 Semester Credits

### **SPED5150 Curriculum and Methods for Exceptional Learners**

Students in this course learn to develop and implement Individual Education Plans (IEPs) for K–12 students. Teacher candidates use data and team participation to develop a legally compliant, effective IEP to ensure each student is provided a Free Appropriate Public Education (FAPE) in their Least Restrictive Environment (LRE). Teacher candidates develop the tools necessary to provide services to implement the IEP in a variety of settings. They learn to adapt curriculum, materials, instruction and environments to meet the individual needs of each of their students. They also learn methods to collect data to monitor student progress toward IEP goals and to report that data to parents.

Prerequisite(s): SPED5120.

Offered at Providence

3 Semester Credits

### **SPED5310 Partnerships: Home, School, Community**

This course prepares participants to effectively collaborate with families, educators, related service providers, and personnel from community agencies in culturally responsive ways, particularly as it relates to the IEP process. Participants are taught to focus on the role of the family as addressed by federal and state laws and to work through the special education process of referrals, evaluations, Individual Education Plans (IEPs), and transitions of individuals with exceptional learning needs. Participants explore and develop transition plans for students with exceptionalities and they learn the role of the special educator as student advocate and facilitator of collaboration. An important focus of the course is to identify effective strategies to enhance communication and collaboration among families, school staff and community resources.

Prerequisite(s): SPED5120.

Offered at Providence

3 Semester Credits

### **SPED6110 Understanding and Managing Behavior in a Diverse Classroom**

This course examines the fundamentals of classroom management and student behavior that are critical to successful learning environments, social interactions and student achievement. The course presents research and effective strategies for developing and maintaining appropriate standards of behavior, classroom organization, management, and optimal use of learning time. Additionally, it addresses the social, emotional and behavioral aspects of working with exceptional learners. A range of social, emotional, behavioral and psycho-educational theories and interventions are examined and discussed.

Prerequisite(s): SPED5120.

Offered at Providence

3 Semester Credits

### **SPED6400 Specialized Instruction**

This course explores research-based and data-driven instructional methodologies and approaches to address the unique needs of exceptional learners. Providing an appropriate education to children with exceptional needs is a responsibility addressed and defined in the 2017 Andrew F. Supreme Court decision. Participants learn how to connect student assessment data, IEP goals and objectives, high-leverage instructional practices and ongoing progress monitoring to ensure meaningful progress toward achieving grade-level standards in an inclusive (or otherwise least restrictive) setting. Special attention is given to instruction in reading, writing and mathematics. Participants review case studies to determine, plan, implement and monitor the effectiveness of specialized instruction in the practicum setting under the supervision of certified professional staff. A comprehensive review of available online and other professional resources to guide instructional decisions is also explored.

Prerequisite(s): SPED5150.

Offered at Providence

3 Semester Credits

### **SPED6915 Student Teaching Part 1: Elementary Special Education**

Students in this course spend 30 school days in a special education teaching situation at a public elementary (grades 1–6) or middle school (grades 4–6) site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the certified school site clinical special educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards, and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED5150.

Offered at Providence

3 Semester Credits

### **SPED6925 Student Teaching Part 2: Elementary Special Education**

Students in this course continue the Student Teaching Part 1: Elementary Special Education placement in a supervised teaching situation at a public elementary (grades 1–6) or middle school (grades 4–6) site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards, and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED6915.

Offered at Providence

3 Semester Credits

**SPED6935 Student Teaching Part 1: Secondary Special Education**

Students in this course spend 30 school days in a supervised teaching situation at a public secondary school site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site clinical special educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards, and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED5150.

Offered at Providence

3 Semester Credits

**SPED6945 Student Teaching Part 2: Secondary Special Education**

Students in this course continue the Student Teaching Part 1: Secondary Special Education placement in a supervised teaching situation at a public secondary school site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED6935.

Offered at Providence

3 Semester Credits

## Sport Leadership (SPL) Courses

**SPL5100 Sports and Entertainment Venues & Events, Development and Management**

This graduate-level course focuses on the leadership required to develop and effectively manage entertainment and sports venues and events, as well as analyze and successfully implement best practices required in a uniquely time sensitive environment.

Offered at Online, Providence

3 Semester Credits

**SPL6010 Finance and Revenue Generation in Sport**

This course reviews revenue generation, skills and techniques needed to succeed in the ever-changing industry of sports. The course focuses on advanced sport sponsorship design and strategies in addition to a comprehensive overview of the revenue generating streams of ticket sales, concession sales and merchandise sales for various sport organizations. The course also offers a conceptual framework for the planning, development, management and implementation of sport fundraising events.

Offered at Online, Providence

3 Semester Credits

**SPL6030 Global Issues in Sport Leadership**

This upper-level graduate course explores sociological concepts of how sports and sport participation impact the lives of individuals and groups in a society. Students explore several significant contemporary sport sociology issues, including drug abuse, race, ethnicity, gender inequity, ethics, gambling and violence. To increase their sociological understanding of sport, students identify and discuss sociological perspectives about the components of sport and physical activity.

Offered at Online, Providence

3 Semester Credits

**SPL6050 Contemporary Leadership Strategies in Sport**

This course investigates leadership strategies in sport. Focus is on leadership theories and practices and their applications to the sport industry. The content of the course includes an exploration of problem solving, serving in leadership positions and training others to serve in sports organizations.

Offered at Online, Providence

3 Semester Credits

**SPL6070 Effective Communication Strategies in Sport**

This course focuses on implementing effective communication strategies when leading an organization within the sports industry. Emphasis is placed on the variety of communication methodologies and vehicles that can be leveraged to create positive results when leading a sports organization. This course examines both internal and external communications strategies aimed at achieving positive results within a fast-paced and continually shifting global sports community.

Offered at Online, Providence

3 Semester Credits

**SPL6120 Diversity and Social Responsibility in Sport**

This course explores common questions and issues about sport and its relation to society through various sociological and cultural lenses. The course provides the foundations for examining the multifaceted roles of sport and physical activity in society and for studying sport from a critical perspective. Students also understand and evaluate the sociocultural issues raised by sport and relate these themes to their own lives. Through this in-depth examination of sociocultural issues, students are able to understand and appreciate the development of sport as a part and reflection of the development of society.

Offered at Online, Providence

3 Semester Credits

**SPL6150 Advanced Marketing Methods in Sport**

This course focuses on the techniques for formulating strategic marketing and promotional applications for a diverse array of sports organizations. Emphasis is placed on the use of analytics as well as both quantitative and qualitative data to drive key business decisions. Topics discussed include licensing rights, sales proposal development, sponsor solicitation, new business development, endorsements and merchandising, commercialization of technology and corporate partnerships. Students examine case studies in order to discern key marketing concepts and strategies.

Prerequisite(s): 15 credits completed in Sport Leadership major courses.

Offered at Online, Providence

3 Semester Credits

## Sport Management (SPM) Courses

**SPM1001 Introduction to Sport Management**

This course introduces students to the sports management industry. Emphasis is on the historical development, organizational structure, use of segments of the sports industry, and career opportunities that exist within the sports management industry. The course is also designed to provide first-year and transfer students in the Sports Management program with educational experiences and information about university resources and academic tools available to them that will help support academic success at JWU.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM1020 Managing Sport Events**

This course is designed to familiarize students with principles and practices related to effective sport event management. The coursework approaches sport event management from a practical standpoint, integrating theory to support suggestions for practice while students move through the entire process of organizing sport events, from event conception through post event evaluation.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM1040 Principles of Sport Management**

This course provides a comprehensive overview of management topics with an in-depth focus on how to manage sport organizations. Thorough coverage of the principles of management concepts, combined with robust sport applications and exercises, develop sport management skills which students can use in both their personal and professional lives.

Prerequisite(s): SPM1001 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SPM2012 Intercollegiate, Amateur and Olympic Sports**

This course explores the history, business, structure, philosophy, and issues/trends of intercollegiate, amateur and Olympic sports. Focus is on acquiring knowledge pertaining to events, legal and ethical aspects, current trends/issues, venues, and economics of intercollegiate, amateur and Olympic sports. Course content focuses on the comprehensive nature of intercollegiate, amateur, youth, recreational, interscholastic and Olympic sports.  
Prerequisite(s): Sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM2220 Professional Sport Management**

This course focuses on the management and issues related to professional sports enterprises. Emphasis is placed on the theoretical foundations of professional sports and the application of management principles in the industry.  
Prerequisite(s): Sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM3002 Economics and Finance of Sport**

Economics and financial markets impact all areas of sport. Students explore the relationships that exist between economics and the business aspects of sport. Topics include attendance and attendance modeling, salary structure and salary caps, and financing stadia. The course also investigates private-versus-public financing of sports teams and venues.  
Prerequisite(s): Junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM3031 Sport Compliance, Governance and Regulation**

This course explores the myriad of rules and regulations in sport, and how the role of compliance affects sport organizations. Students learn how sport industry professionals help shape, react to, and operate under the regulatory structures of various sport organizations. Emphasis is placed on investigation of NCAA and North American professional sport organizations.  
Prerequisite(s): LAW2001 or LAW2005.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM3040 Global Perspectives of Sport**

Sports extend beyond the United States and national boundaries. This course explores sport from a global perspective by examining various national sport cultures. Students investigate sport participation from around the globe from business, societal and economic perspectives. Other international sporting events and venues are explored.  
Prerequisite(s): Junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM3050 Managing Sport Organizations**

This course introduces students to the theory and practice of managing sports organizations. Students examine a range of strategic human resource management approaches that can be used by sports organizations to respond to contemporary challenges and to develop a sustainable performance culture.  
Prerequisite(s): Sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM4010 Sport Marketing & Analytics**

This course exposes students to marketing concepts relating to the sports industry. It addresses various products, consumer markets, strategic market analysis and valuation within the sports industry. The course also looks at the use of analytics for the purposes of marketing and sales in the sports industry.  
Prerequisite(s): Junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM4030 Sport in Contemporary Society**

Sports are integrated into society, consumed by spectators and participants around the world. How did sports become so important? This course examines the cultural, social, political, philosophical and psychological aspects of sport history. Students identify, examine and evaluate the role of sport in contemporary society.  
Prerequisite(s): Junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SPM4060 Innovative Leadership in Sport**

This senior-level capstone course is designed to equip students with contemporary, ethical and innovative leadership strategies in sport. Students gain insight into a variety of leadership styles and competencies that will aid in positioning themselves to assume leadership roles in the sport industry. Students gain a comprehensive understanding of strategies to improve leadership aptitude, including creative problem solving, communicating effectively, managing conflict, inspiring collaboration and teamwork, and shepherding the development of sport organizations.  
Prerequisite(s): Senior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

## **Sport/Ent/Event Mgmt (SEE) Courses**

### **SEE1001 Introduction to the Sports, Entertainment and Event Management Industry**

This course introduces students to the sports, entertainment and event management field. Emphasis is on the historical development, organizational structure, use of technology and career opportunities that exist within the industry. Operational issues related to the management of events and facilities such as arenas, convention centers and stadiums are also discussed.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SEE2005 The Business of Sports**

This course explores the business of sports. Focus is on acquiring knowledge pertaining to sports events, legal and ethical aspects of sport, sport venues, and sport economics. Course content focuses on the comprehensive nature of professional and amateur sports.  
Prerequisite(s): BUS1001 or FSM1001 or FSM3001 or HOSP1001 or MGMT1001 or SEE1001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SEE2015 Leadership in Recreation/Leisure Settings**

This course explores leadership qualities, styles and group dynamics. Students examine a selection of program activities and guidelines for presenting and developing them effectively. Focus is on developing, leading and evaluating activities based on varying participant requirements. Aspects of group facilitation, activity sequencing and debriefing are discussed.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SEE2030 The Business of the Entertainment Industry**

This course is designed to provide students with core knowledge of the diverse and dynamic entertainment industry. Topics include the historical development of the entertainment industry, current trends and industry regulations, theater and the arts, music, cinema, sports entertainment, television, and alternative entertainment. Issues related to industry best practices, effective artist/performer management and entertainment event production are also discussed.  
Prerequisite(s): BUS1001 or FSM1001 or FSM3001 or HOSP1001 or MCST1010 or MGMT1001 or SEE1001.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **SEE2040 Outdoor Recreation Planning**

This course provides an introduction to the concept of outdoor recreation, outdoor recreation planning and the specific use of our environment for recreation by individuals, private agencies and government agencies. The study of federal programs including the National Park Service is an integral part of this course.  
Offered at Charlotte, Providence  
3 Semester Credits



**SEE2120 Introduction to the Music Industry**

In this survey style course, students explore the sectors of the music industry including artist management, concert production, recorded music, copyright, performing rights organizations, songwriting, music publishing, merchandise, audio production and radio. While interpreting the historical underpinnings of the music industry, students evaluate the current industry landscape.

Course activities include the analysis and interpretation of legal documents, financial statements and marketing materials with a focus on the practice of industry-standard communication and exploration of career opportunities.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

**SEE2150 Safety, Security and Risk Management in the SEEM Industry**

This course provides the opportunity for students to gain an understanding regarding specific risk management, risk operation, risk assessment, planning and evaluative techniques used by professionals within the sports, entertainment, event and venue management field. Students acquire knowledge on how to manage, reduce and transfer risks to provide a safe and secure environment in venues for events. Students also gain fundamental knowledge of assessing risk operations and understanding liabilities of conducting an event in a venue. Students have the optional opportunity to take part in the Trained Crowd Manager Certification through the International Association of Venue Managers (IAVM) for an additional cost.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE2180 Sporting Activities in Private Clubs**

The central purpose of private clubs is to provide benefits to members, including access to social and recreational facilities. This course offers students a deep exploration into the types of sporting activities offered to multigenerational and demographically diverse memberships. Students develop a proficient understanding of the sporting activity's purpose, rules, levels of competition, equipment, facilities, staffing, and safety concerns. Private clubs, which offer a particularly high level of membership attraction for particular sporting activities, are used to demonstrate fully developed and extensive programming.

Offered at Providence

3 Semester Credits

**SEE3008 Ancillary Services and Revenue Management in the Sports, Entertainment and Event Industry**

This course explores the business dynamics of ancillary services and revenue management in the sports, entertainment and event industry. Emphasis is on the current procedures and standards for managing concessions, catering, retail operations, effective techniques for responsible alcoholic beverage service, and cost control procedures. Students focus on the manager's role in delivering multiple levels of service in an effective manner. Students obtain a certification in effective alcohol management.

Prerequisite(s): (FISV2000 or FISV2010, FSM2110 or EVNT2020 or SEE2020) or (SEE2010, SEE2020, SEE2030).

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3010 Ticketing Methods and Data Analysis in Sports, Entertainment and Event Management**

This course explores the business dynamics of ticketing and access management within the sports, entertainment and event industry. Content includes ticketing operations, configurations, coding, pricing and analytics. Emphasis is on utilizing the ticketing process to gather information about consumers before, during and after the event. Students also explore the management, marketing and promotional efforts behind the sale of tickets, along with technology used to administer ticketing and box office inventory control systems.

Prerequisite(s): SEE3008.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3030 Athletic Coaching and Administration**

This course focuses on understanding basic coaching/administrative principles and philosophies for sports and athletics. It emphasizes the interscholastic and intercollegiate experiences. Students explore a wide range of topics related to the current issues and trends in athletic coaching and administration.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3041 Special Event Protocol**

Students in this course examine the specifics of social and professional business etiquette and the event protocol. Official protocol and the order of precedence for governmental, military and social organizations are investigated as well. The unique challenges presented by official ceremonial events such as state dinners, flag ceremonies, inaugurations, dedications, graduations, parades, state and military funerals, and memorial services, etc. are discussed, and students formulate effective strategies for managing such events.

Prerequisite(s): EVNT2020 or FSM3001 or HOSP2011 or SEE2020.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3042 Weddings & Ceremonies**

This course examines the unique aspects of planning and executing various ceremonial events such as weddings (traditional and nontraditional), bar/bat mitzvahs, quinceanera parties, debutante balls, anniversaries and civilian funerals. Special emphasis is on adapting the traditional event cycle to the challenges presented by these social life-cycle events and the numerous ethnic and religious traditions associated with them. Industry best practices for custom event design including decor, entertainment, catering and budgeting are explored. In addition, strategies for attracting, managing and retaining clients are discussed.

Prerequisite(s): EVNT2020 or FSM3001 or HOSP2011 or SEE2020.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3045 New Media Literacy in Sports, Entertainment and Event Management**

This course develops the skills necessary to proactively interact with mass communication within the sports, entertainment and event industry. Emphasis is on the ethical responsibilities of a spokesperson and the experience needed to communicate to the media in a variety of situations, including the development and creation of a press conference and communicating the brand and image to the consumer base.

Prerequisite(s): ENG1021 or ENG1027, ENG1030.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3055 International Special Event Management**

This upper-level course, taught only on a campus outside of the United States during a term abroad program, focuses on the development, planning and management of international special events. Emphasis is on research and development, site selection, social and cultural issues, marketing and sponsorship, and human resource management. In addition, the challenges presented by producing an event in a non-domestic venue are explored in detail.

Prerequisite(s): EVNT2020 or SEE2020, must be accepted in Study Abroad program.

Offered at Charlotte, Providence

6 Semester Credits

**SEE3060 Concert, Tour and Music Festival Production Management**

This course focuses on event and concert tour production. Emphasis is on managing a show on stage, back stage and on the road. In addition, tools for set building, lighting, sculpting sound with microphones and mixers, reviewing basic electrical formula, performance contracts, technical riders and a production checklist are explored.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits



### **SEE3065 Fundamentals of Fundraising and Philanthropy**

This course is designed to explore the role fundraising and philanthropy can play in the success of the nonprofit and voluntary sectors of industry. Focus is on acquiring a sound knowledge base pertaining to sponsorship opportunities, grants, campaigns (capital and annual), planned giving and corporate partnerships. In particular, the course addresses the most effective strategies for leveraging such affiliations so that organizations achieve their funding goals.

Prerequisite(s): ENTR2030 or EVNT2020 or HOSP2011 or SEE2020.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3095 Tournament Management**

The course provides an overview of tournament management. Students establish, facilitate, design and operate a tournament. Emphasis is placed on the student's ability to operate a successful tournament for a variety of events. Tournament types, tournament marketing and sponsorship, and risk management are also discussed.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

### **SEE3120 Fitness and Wellness Center Management**

This course focuses on the skills necessary to manage a fitness and wellness center. Emphasis is on the development and design of the facility layout, daily operations, and fitness/wellness programs located in private, public, corporate, hotel, resort, university and recreational facilities. Students learn program development skills necessary to operate and manage a fitness/wellness facility. A Directed Experiential Education (DEE) opportunity may be incorporated into this course. DEE opportunities are based on project availability with community partners and student eligibility.

Offered at Online, Providence

3 Semester Credits

### **SEE3150 Television and Movie Production Management**

Students examine the creative, organizational and managerial processes involved in the development, creation and promotion of film, television and other forms of visual media. Emphasis is on legal issues and agreements, scheduling, budgeting and all aspects of production management.

Prerequisite(s): SEE2030.

Offered at Charlotte, Providence

3 Semester Credits

### **SEE3160 Sponsorship, Sales and Relationship Management**

This course explores the procedures and tactics necessary to define, target, attract, secure and retain corporate sponsors within the global sports, entertainment and event industry, including festivals, conventions, expositions, sporting events, concerts and not-for-profit (charitable) events. Students demonstrate effective sales strategies within the sports, entertainment and event industry and analyze the impact of relationship management. An experiential learning project is incorporated into this course.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3170 International Exhibitions & Events**

This course is designed to give students practical experience in developing a trade show or exhibition with special emphasis on pre-planning, budget preparation, advertising and/or public relations and exhibit setup, including exhibit registration, booth accommodations and assignments, draping, audiovisual, programming and wrap-up. This course also has an experiential learning component.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

### **SEE3850 Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management**

This course explores the theory and practice of negotiations within the sports, entertainment, event, hotel, tourism and food service industries. Topics include discussion and presentation of the skills necessary to be a successful negotiator of agreements and contracts within the hospitality industry domestically and internationally. This course also explores labor relations and articulates the union/management negotiation process, including collective bargaining.

Prerequisite(s): LAW2001 or LAW2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE4020 Sports and Entertainment Marketing**

This course exposes students to marketing concepts relating to the sports and entertainment industries. It addresses various products, consumer markets, strategic market analysis and valuation within the sports/entertainment industries. Major topics include the negotiation process, promotions, public relations, market research and sponsorships.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE4050 International Sports, Entertainment, Event and Venue Management**

This course is designed to encapsulate the student's sports, entertainment and event management academic experience. Students apply critical thinking and problem solving skills to current and potential sports, entertainment, event and venue industry issues. Emphasis is on applying managerial principles, professional communication and ethical practices within national and international venues and events.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE4060 Sports/Entertainment/Event Management Seminar**

This senior-level course is designed to provide insight into the policy formulation and strategic management of recreation/leisure and sports/entertainment/event services. Utilizing case studies, realism is introduced into the classroom, improving the critical thinking and decision-making abilities of the student.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE4070 Bands, Brands, Merch, and More: Advanced Entertainment Management**

In this course focused on the music and entertainment industries, advanced study into the business of bands, record labels, music marketing, music publishing, merchandise licensing, and management are explored. Situated in client representation, students engage in micro- and macro-level analysis of an entertainer's career. Course content focuses on decision-making, relationship management, negotiations, licensing, partnerships, and overall communication to stakeholders in the entertainment industry. Through case study analysis and examination of legal, financial and marketing norms in the entertainment industry, students not only gain experience in the management of entertainment, but also explore the scope of career opportunities in this area.

Prerequisite(s): SEE2120, junior status.

Offered at Providence

3 Semester Credits

### **SEE6000 Event Leadership and Planning**

This advanced course enables students to gain competence in the event management and planning process. Topics include research, design, planning, coordinating and evaluating events. Students gain knowledge of different event management models used by event leaders. Students also have the opportunity to assess the legal, ethical and risk management issues involved in the event management profession.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

### **SEE6020 Event Operations & Risk Management**

This advanced course enables students to gain competence in the specific risk management, risk operations, risk assessment, planning and evaluative techniques used by professional event leaders to mitigate risk proactively. Students gain knowledge in risk management, risk operations, risk assessment, avoidance, planning and control of risk associated with events, and explore methods for eliminating, reducing and transferring these risks to improve the successful outcomes of their events. Students gain proficiency in assessing risk operations, understanding the liabilities of conducting an event, contract law, contractual responsibilities in planning and implementing an event, either for one's own organization, or acting as an agent on a fee-for-service basis.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

### **SEE6040 Sustainable Event Management**

This course is designed to explore the pillars of sustainable event management solutions and their impact on large-scale live events. Analysis of sustainable event management areas such as energy, transport, water, and waste supply chains and their impact on live events are investigated. The purchasing processes as well as the use of products with low carbon footprints and their impact on the live event are explored.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

### **SEE6060 Negotiations for Event Management**

This advanced course allows students to explore negotiation techniques in the event management process. Topics include sponsorship, sales, negotiations and contracting. Exposure to venue, food and beverage, speaker, and entertainment procurement, negotiations, contracting and management takes place. Examination is conducted on events, domestically and internationally, within both corporate and private sectors. This course also explores labor relations as it applies to event management.

Offered at Online, Providence

3 Semester Credits

## **Sustainable Food Systems (SFS) Courses**

### **SFS1001 Introduction to Food Systems**

This course explores the food system — a complex and adaptive network entangled within social, political, economic and natural environments at multiple levels. It includes investigations into the history of the system, as well as the effects of industrialization, globalization, and climate change. Students in this course also research food commodities, tracing their pathway from production to consumption throughout the local, regional and international food web. Further, students survey and debate alternative food production systems and critically analyze wicked problems related to food, health, economy, people, planet, policy and justice.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS2110 Culinary Science, Nutrition & Sensory Analysis**

This course introduces students to the basic functions of ingredients, macronutrients and cooking processes. Students conduct experiments and think critically to compare, contrast and evaluate how ingredients change through the use of various cooking techniques. This course explores dietary guidelines, recipe modification, ingredient substitution, and problem-solving in the kitchen. Emphasis is placed on the sensory evaluation of food, the development and use of sensory terminology, approaches to healthful plate design, and real-world restaurant applications. Sections of this course offered online are reserved for students in special industry partner programs.

Prerequisite(s): CUL1100, BPA2720 or (CUL1210, CUL1320, CUL1410) or (CUL1200, CUL1310, CUL1420).

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SFS2210 Cooking from the Farmstand**

This culinary lab explores the farm-to-table movement, investigating the connections between public health and the local food system. Students create meals focused on wellness, authenticity, accessibility, appeal and traceability. Special topics include localizing the menu, menu decolonization, mindful eating, farm-to-table formats, and sustainable food production. Prerequisite(s): (CUL1100, CUL1210, CUL1320, CUL1410) or (BPA2720 (or concurrent)).

Offered at Charlotte, Providence

3 Semester Credits

### **SFS2410 Growing for the Menu**

Students explore agricultural approaches to food production to promote systemic changes in the food system and to foster an environmentally sustainable land ethic. While considering community food security, cultural foodways are studied as students apply menu and garden planning in the growing and production of food from farm to plate. Unsustainability within industrialized agriculture is researched while potential solutions are investigated.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS2411 Cooking for Regenerative Foodways**

This course offers a critical investigation into the cultural, social, economic and historical practices relating to production, preparation, consumption, and power struggles associated with food. Students explore local and global foodscapes to inspect the contemporary cultural and ethical ramifications of food choice, food advocacy, and social justice through cooking.

Prerequisite(s): BPA2720 (or concurrent) or (CUL1100, CUL1210, CUL1320, CUL1410).

Offered at Charlotte, Providence

3 Semester Credits

### **SFS3001 Sustainability in the Culinary Kitchen**

This course defines and explores food sustainability through hands-on experiences with local food producers and artisans. It examines the roles and responsibilities of chefs and food service professionals as they relate to sustainable food systems. Students research the local, national, and global economic, agricultural, political and ethical issues regarding the sourcing, use and disposal of foods.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS3002 Ancient Grains & Hearth Breads**

This course takes students on a baking journey from seed to loaf. Properties and characteristics of ingredients, the baker's percentage system, and the fundamentals of yeasted bread production, including mixing techniques, controlled fermentation, and baking methodology are studied. Students culture their own naturally leavened sourdough starter for use in a bread of their own creation. The history and process of milling are examined, as well as today's farmer/miller/baker relationships and role in society. Products include yeasted breads, naturally leavened breads, leavened and unleavened whole grain snacks and traditional baked goods reinterpreted with a whole grain emphasis.

Prerequisite(s): Completion of all freshman culinary labs.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS3144 Farm to Table Desserts**

This course focuses on the creation of plated desserts centered around seasonal produce and artisan products from a modern perspective. Emphasis is placed on incorporating local fruits and vegetables, whole grains, and artisan items by using fundamental and innovative pastry techniques. Students also explore extending the seasonality of desserts through food preservation methods and apply their knowledge by creating and executing a contemporary multi-course dessert tasting menu.

Prerequisite(s): Completion of all sophomore labs.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS3200 Plant-Based Cuisine**

Daily production focuses on the types, preparation and nutritional aspects of plant-based foods, diets and cuisines ranging from vegetarian to meat-minimalistic. Students investigate the reasons why people choose plant-based diets and how to prepare and market plant-based menu items across various cuisine concepts. Topics include cultural and global perspectives, economics, health, growing conditions, farm-to-table cuisine, sustainability, and current industry trends.

Prerequisite(s): Completion of all sophomore labs.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS3300 Conscious Cuisine**

Students employ techniques of advanced food preparation while researching, adapting, designing and producing full-flavored, locally sourced, sustainable recipes and menus. The ability to articulate how these dishes are connected to local farms, locally raised animals and surrounding waters is demonstrated. Food cost and food waste management are emphasized, including product use and cross utilization, such as snout-to-tail cookery, and the production of artisan charcuterie and condiment products.

Prerequisite(s): Completion of all sophomore labs.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS4001 Cultivating Local Food Systems**

Students explore the correlation between food policy and its impact on a local food system, as well as apply sustainability principles through collaboration with local food-connected organizations. Emphasis is placed on building relationships within the community, and in exploring ecological and socio-economic impacts. Students investigate governmental, nonprofit and other organizations to evaluate the influence of sustainability concepts on their mission and work. Insight into food policy and food justice, combined with a comprehensive sustainability plan, afford students the ability to evaluate the vitality and the promotion of a local food system.

Prerequisite(s): SFS3001.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS4110 Health & the Harvest**

Students explore the correlation between health, wellness and the vitality of a local food system. Emphasis is placed on designing full-flavored recipes and menus that align with current dietary guidelines, support the local food system and meet the expectations of today's consumer. Advanced techniques of nutritionally sound food preparation as reflected in current research are discussed and practiced.

Prerequisite(s): CUL3250 or SFS3001.

Offered at Charlotte, Providence

3 Semester Credits

### **SFS4280 Capstone Seminar in Sustainable Food Systems**

This capstone seminar is the culmination of the learning experiences and skills students have acquired throughout the course of their Sustainable Food Systems program. Students develop a research thesis and professional portfolio in preparation for practicing sustainable food system policy in a variety of professional settings and graduate school programs. The emphasis of this research/professional seminar is three-fold: 1) to support students in designing and making operational a research project, 2) to produce a portfolio and professional development plan, and 3) to write an effectively articulated research thesis. Students engage in ongoing peer-review and consultation sessions with the purpose of encouraging a resourcefulness-approach to professionalism and personal skills enhancement, both in future career and academic pursuits. Throughout the seminar, emphasis is on supporting students to conceive of and articulate the applicability of their acquired skills and program-related experiences to their developing career and future study.

Prerequisite(s): HSC1230, PSCI1001, SFS1001, (SFS3001 or CUL3250).

Offered at Charlotte, Providence

3 Semester Credits

## Technology Experiential Education (TECX) Courses

### **TECX4099 College of Engineering & Design Internship**

This course allows students enrolled in the College of Engineering & Design the opportunity to engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through this internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA and 2) have completed 90 hours of course work.

Offered at Online, Providence

3-12 Semester Credits

### **TECX4190 Technical Solutions Design Project**

The Technical Solutions Design Project offers students an intensive, semester-long, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a design idea or technical problem resolution to create and complete a functional product or project. Students work independently on a design or technical problem resolution or in project teams to apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities and refine critical thinking, problem solving skills and project management skills. Students submit their work for regular phase reviews on specific time schedules to monitor project progress, quality and functionality. This course is one of several options in the College of Engineering & Design for students to fulfill their experiential education requirements.

Prerequisite(s): Junior status, Department Chair Approval.

Offered at Providence

3 Semester Credits

## Travel Tourism (TRVL) Courses

### **TRVL1105 Adventure, Sport and Nature-Based Tourism**

This course provides the student with a solid foundation of knowledge related to adventure, sport and nature-based tourism and focuses on key considerations necessary for its implementation. The course offers an opportunity for a field project.

Offered at Charlotte, Providence

3 Semester Credits

### **TRVL2040 Travel Sales Management**

This course emphasizes service as an integral part of the selling process. The reciprocal relationship between selling and service is presented within the context of the total travel sales effort.

Prerequisite(s): FSM1001 or HOSP1001 or SEE1001.

Offered at Providence

3 Semester Credits

### **TRVL2165 Food Culture and Tourism**

This course introduces students to the significance of food and beverage as it relates to the tourism industry. Students build a fundamental knowledge to effectively communicate with travel/tourism/hospitality planners and food service staff. Emphasis is on linking food, wine and tourism, and the impact related to destination development internationally. This course also examines international service styles, cultural etiquette, food terminology, and basic food and wine pairings.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **TRVL2801 World Geography for Tourism and Hospitality**

This course is designed to provide the student with the knowledge and skills necessary to work and travel in a global environment. Students explore both current and emerging destinations from around the world. The course discusses the cultural, recreational and social significance to the traveler and the economy.

Offered at Charlotte, Online, Providence

3 Semester Credits

**TRVL3010 Dynamics of Tourism and Sustainability**

This is a management-oriented course covering the economic, cultural and social functions in the planning and development of the tourism industry. Emphasis is on organizational concepts. Offered at Charlotte, Online, Providence  
3 Semester Credits

**TRVL3020 Ecotourism**

This upper-level course explores an emerging dimension of tourism: ecotourism. Students investigate the impact of specific environmental issues on tourism, including water pollution, air pollution, habitat destruction, etc., and focus on the impact of tourism on the physical, biological and cultural environment. The role of the tourism industry as it relates to the provision of ecotourism experiences is also discussed. Offered at Charlotte, Providence  
3 Semester Credits

**TRVL3030 International Policies of Tourism**

This intermediate-level course is designed to provide the student with an increased understanding in the area of international tourism development. Emphasis is placed on the definitive study of the essential components for a successful national tourism program. Prerequisite(s): TRVL3010. Offered at Charlotte, Online, Providence  
3 Semester Credits

**TRVL3035 Tour Management Operations**

This course is designed for students planning careers in tour guiding or tour operations. Topics include tour operations, components of a tour, tour management positions, characteristics of professional tour guides, the psychology of tour management and internal communications. The culmination of this course is a tour to a selected international destination, where each student researches, negotiates and develops a highly anticipated journey. Prerequisite(s): TRVL3010, junior status. Offered at Online, Providence  
3 Semester Credits

**TRVL3080 Dynamics of the Cruise Industry**

This course acquaints students with the modern cruise industry. Students identify the role of cruise lines in the travel and tourism industry, develop a detailed foundation and knowledge of the various cruise line products and destinations, understand the various career opportunities available, as well as recognize how to sell a cruise. Ship inspections are offered during the course. Offered at Providence  
3 Semester Credits

**TRVL3801 Special Topics in Adventure Resort Management**

This course provides the student with a solid foundation of knowledge related to the Adventure Resort and focuses on all aspects of operation and program development. The course offers an opportunity for a field project. Students are required to participate in all off-campus activities with the designated industry partners. Offered at Providence  
3 Semester Credits

**TRVL4010 Tourism Economics**

This upper-level course explores the role of economics in tourism development. Macroeconomic and microeconomic theory are applied to problems of community resource allocation. Particular attention is paid to the problems of multiple use of community resources and to the conflicts between private and public goals. Prerequisite(s): TRVL3010. Offered at Online, Providence  
3 Semester Credits

**TRVL4011 Destination Management Organization**

This course integrates the administrative functions of a destination management or marketing organization (DMO). The interrelationships of operations, marketing and finance are analyzed and evaluated. A Directed Experiential Education (DEE) opportunity may be an integral part of this course. DEE opportunities are based on project availability with community partners and student eligibility. Prerequisite(s): HOSP3053 or MRKT1001. Offered at Online, Providence  
3 Semester Credits

**TRVL4035 Leading an Adventure Experience**

This course is designed for students planning careers in adventure, outdoor recreation, sport and ecotourism operations. It equips students with the skills and knowledge to successfully plan, manage and execute an outdoor adventure travel experience. Topics include leadership strategies, risk management, health and wellness, best practices, customer relations, and sustainable practices. Students develop and lead an adventure experience during the course that incorporates these key skills and concepts. Prerequisite(s): TRVL3035. Offered at Providence  
3 Semester Credits

**TRVL4160 Travel and Tourism Strategic Management Seminar**

This capstone course culminates the theoretical training for the advanced student of hospitality and tourism studies. The course is designed to provide insight into the policy formulation and strategic management of travel and tourism entities. Essential elements of the course include a variety of teaching methods; analysis of current issues and situations in the travel and tourism field; keeping up to date and current by utilizing different web sites; and research projects and case analyses that improve the understanding of the strategic planning process, critical thinking and decision-making capabilities of the student. Prerequisite(s): ACCT3150 or FISV2000, HOSP3053 or MRKT1001. Offered at Online, Providence  
3 Semester Credits

**TRVL5010 Tourism Principles and Foundations**

This course focuses on major concepts, principles and theories in the tourism industry. Special attention is given to the social, economic and environmental impacts of the tourism industry. The course covers a broad range of topics that relate to the industry, its stakeholders and constituents that shape the nature of the tourism industry and are affected by it. Offered at Online, Providence  
3 Semester Credits

**TRVL5030 Financial Concepts in Sustainable Tourism Development**

This course focuses on major concepts, principles and theories in the financial field of sustainable tourism development. Students examine financial strategies and determine their viability to the economic development of a destination. Financial terminology and concepts are examined and applied to a real life situation. Offered at Online, Providence  
3 Semester Credits

**TRVL5050 Foundation of Consulting for the Tourism Industry**

This course explores the theories of consulting as well as the roles and responsibilities of the consultants. Special attention is paid to the different strategies that may be used in the consulting process. The application of ethical strategies is evaluated and analyzed. Strategies that ensure sustainable growth are evaluated during the term. An assessment of the conditions that determine the need for internal or external consultants are evaluated as well. Offered at Online, Providence  
3 Semester Credits

**TRVL5070 Global Tourism Marketing and Branding**

This course focuses on major concepts, principles and theories in the marketing of tourism products and services. Students focus on the different techniques used in the creation and maintenance of tourism brands. Students analyze marketing concepts and theories involved in the creation of annual and longer term marketing and branding plans. Offered at Online, Providence  
3 Semester Credits

**TRVL5120 Planning for Ethical and Sustainable Tourism Development**

This course focuses on major concepts, principles and theories in the field of ethical economic and sustainable tourism development. This course is designed to assess the involvement of stakeholders in the development of tourism destinations. Students analyze the role of stakeholders in an effort to minimize the negative effects of tourism. Strategies to ensure economic growth and long-term sustainability of tourism development are analyzed and applied. Offered at Online, Providence  
3 Semester Credits



**TRVL5140 Product Development and Innovation in Sustainable Tourism  
— Shared and Experience Economics**

This course focuses on major concepts, principles and theories in the successful development of tourism products. This course investigates feasibility and the potential for successful development of new tourism products. Life cycle of existing products are assessed with the goal of extending it for longer than the usual cycle. New products are evaluated for their ability and inability to sustain their appeal for the long run. Trends in tourism product development, and “shared” and the “experience” economy are examined.

Offered at Online, Providence  
3 Semester Credits

**TRVL5210 Tourism Economics**

This course examines the role of economics in sustainable tourism and economic development. Macroeconomics and microeconomics are used to analyze and explain economic activities and scenarios in the tourism industry. Course content includes the relationship between supply and demand, consumer behavior and government economic policies, and their impact on the tourism industry. Emphasis is placed on the role of government in facilitating tourism and economic development.

Offered at Online, Providence  
3 Semester Credits

**TRVL6100 Applied Research Methods in Sustainable Tourism  
Development**

This course focuses on major concepts, principles and theories in tourism research. Literature analysis, data collection, analysis of data and producing a report are discussed. This course prepares students to engage in case analysis and evaluate past and current scenarios in quantitative and qualitative research methods.

Offered at Online, Providence  
3 Semester Credits

**TRVL6140 International Tourism Development, Economic Issues and  
Strategic Solutions in the Developing World**

This course is designed to encompass all the principles, theories and policies that are utilized when facing developmental issues. Current conditions and challenges facing the development developing world are analyzed. Formulating new strategies and analyzing existing strategies require students to become familiar with current conditions in the developing world.

Offered at Online, Providence  
3 Semester Credits

**TRVL6180 International Sustainable Tourism Policy Analysis and  
Development**

This course incorporates analysis of local, state, country and international tourism policies. Focus is on research, data collection and the formulation of tourism policy. Emphasis is given to the similarities and differences among the variety of tourism policies and their impact on the industry, community and other industry stakeholders. Major trends and challenges for policy creators are examined.

Offered at Online, Providence  
3 Semester Credits



# Academic Information

This section of the catalog contains important information about the academic requirements and policies of Johnson & Wales University, as well as additional educational components including experiential education, study abroad opportunities and available honors programs.

## Class Schedules

The course schedule is published before registration begins each semester. The course schedule includes course meeting days and times, seat capacity, course prerequisites, textbook information and additional information for courses meeting the search criteria.

If a class session is missed due to inclement weather, no make-up date is scheduled but instructors are expected to post course content and assignments for students in lieu of the missed class session. This applies for both graduate and undergraduate courses.

Please note that students enrolled in courses at the university may be required to participate in online discussion forums, student-to-student collaborations and student presentations with other students as part of course requirements.

**Undergraduate courses:** Undergraduate academic courses are generally scheduled Monday through Thursday. Courses will be delivered over 16 weeks. Most undergraduate day program classes will meet twice per week, each over a 75-minute class period.

Academic Classes — MW or TR	Culinary/Baking Labs — 15 days	Science Labs / Design Studios
8–9:15am	7am–1pm	Double class periods
9:30–10:45am	1:45–7:45pm	
11am–12:15pm		
12:30–1:45pm		
2–3:15pm		
3:30–4:45pm		
5–6:15pm		
6:30–7:45pm (as needed)		

**Graduate courses:** Master's level courses are delivered over 8 or 16 weeks, in standard and hybrid formats. The majority of courses will be offered in the evening from 6–8:45pm. While graduate class schedules vary by program, the course schedule reflects specific meeting days and times for all courses.

### Course Delivery Methods

#### Definitions

##### On-Ground/Face-to-Face

Traditional course delivery: Students meet face-to-face with their assigned faculty member once or twice per week depending on the course.

##### Online

All course activity is done online; there are no required face-to-face sessions within the course and no requirements for on-campus activity. Fully online courses use asynchronous delivery to give flexibility to students to complete course work as their schedules permit.

##### Hybrid

A hybrid course is offered principally through face-to-face instruction in a classroom setting for more than 50% of the class meeting times for any given semester. In-class sessions must include the first and the last class of the semester (which might be the final exam).

##### Virtual

Virtual courses are online synchronously delivered courses, with no face-to-face class meetings. Students have the same frequency of direct interaction with faculty and other students during regularly scheduled day/class periods as in-person courses. Students are expected to attend synchronous sessions in the same way they are expected to attend face-to-face courses. Coursework will be handled through videoconferencing tools such as Zoom or Blackboard Collaborate, with synchronous sessions enhanced by various education technology tools. All assignments are administered and turned in through ulearn. Students will have access in ulearn to course materials that support

faculty-delivered content along with other course materials such as videos and links that enrich the subject.

## Academic Policies

This section of the catalog contains important information about academic policies, grading systems and other academic requirements.

**Additional policies and procedures:** Not all university policies and procedures affecting students are described in this catalog. For further information, please refer to the Student Handbook.

## Academic Standing

A student's academic standing is based on grade point average (GPA) in conjunction with total attempted credits (including transfer credits) and is evaluated after the completion of each semester of enrollment. Academic standing standards differ by program of study. Please refer to the academic standing charts below for specific requirements. Students not in good academic standing will not be able to register until they have met with their assigned academic counselor/advisor. At this meeting an academic agreement outlining the grades needed to return to good academic standing will be developed, and the schedule hold will be removed. Students are urged to make an appointment with their assigned academic counselor/advisor at the beginning of their probation semester.

Students who meet the following criteria are considered to be in good academic standing:

- Undergraduate students need a minimum GPA of 2.0.
- Graduate students need a minimum GPA of 3.0.
- Doctor of Business Administration and Occupational Therapy Doctorate students need a minimum GPA of 3.0. In addition, students must earn grades of B- or higher in each course. No classes may be repeated.
- Doctor of Education students need a minimum GPA of 3.25 and students must earn grades of B- or higher in each course. No classes may be repeated.
- Accelerated Master's Program students need a minimum GPA of 3.0 in graduate-level coursework.

According to the following standards, students who do not satisfy good academic standing requirements will be placed on academic probation or dismissed.

### Academic Standing Standards: Undergraduate Day and Online Programs (including English as a Second Language)

#### First-Semester Students

Status at Start of Semester	Total Credit Hours Attempted	Cumulative GPA	Status after Semester Completion
Good Standing	0–higher	2.0–4.0	Good Standing
Good Standing	0–higher	0–1.99	Probation 1st Semester

#### Returning Students

Status at Start of Semester	Total Credit Hours Attempted	Cumulative GPA	Status after Semester Completion
Good Standing	0–higher	2.0–4.0	Good Standing
Good Standing	0–18	1.0–1.99	Probation 1st Semester
Good Standing	0–18	0–.99	Academic Dismissal
Good Standing	18.1–36	1.26–1.99	Probation 1st Semester
Good Standing	18.1–36	0–1.25	Academic Dismissal
Good Standing	36.1–higher	1.5–1.99	Probation 1st Semester
Good Standing	36.1–higher	0–1.49	Academic Dismissal

Probation 1st Semester	0–higher	2.0–4.0	Good Standing
Probation 1st Semester	0–18	1.0–1.99	Probation 2nd Semester
Probation 1st Semester	0–18	0–.99	Academic Dismissal
Probation 1st Semester	18.1–36	1.26–1.99	Probation 2nd Semester
Probation 1st Semester	18.1–36	0–1.25	Academic Dismissal
Probation 1st Semester	36.1–higher	1.5–1.99	Probation 2nd Semester
Probation 1st Semester	36.1–higher	0–1.49	Academic Dismissal
Probation 2nd Semester	0–higher	2.0–4.0	Good Standing
Probation 2nd Semester	0–higher	1.0–1.99	Academic Dismissal
Academic Warning	0–higher	2.0–4.0	Good Standing
Academic Warning	0–36	1.25–1.99	Probation 1st Semester
Academic Warning	0–36	0–1.24	Academic Dismissal
Academic Warning	36.1–54	1.5–1.99	Probation 1st Semester
Academic Warning	36.1–54	0–1.49	Academic Dismissal
Academic Warning	54.1–72	1.75–1.99	Probation 1st Semester
Academic Warning	54.1–72	0–1.74	Academic Dismissal
Academic Warning	72.1–higher	0–1.99	Academic Dismissal

#### Academic Standing Standards: Continuing Education

Status at Start of Semester	Total Credit Hours Attempted	Cumulative GPA	Status after Semester Completion
Good Standing	0–higher	2.0–4.0	Good Standing
Good Standing	0–higher	0–1.99	Probation 1st Semester
Probation 1st Semester	0–higher	2.0–4.0	Good Standing
Probation 1st Semester	0–higher	1.25–1.99	Probation 2nd Semester
Probation 1st Semester	0–higher	0–1.24	Academic Dismissal
Probation 2nd Semester	0–higher	2.0–4.0	Good Standing
Probation 2nd Semester	0–higher	0–1.99	Academic Dismissal
Academic Warning	0–higher	2.0–4.0	Good Standing
Academic Warning	0–36	1.25–1.99	Probation 1st Semester
Academic Warning	0–36	0–1.24	Academic Dismissal
Academic Warning	36.1–54	1.5–1.99	Probation 1st Semester
Academic Warning	36.1–54	0–1.49	Academic Dismissal
Academic Warning	54.1–72	1.75–1.99	Probation 1st Semester
Academic Warning	54.1–72	0–1.74	Academic Dismissal

Academic Warning	72.1–higher	0–1.99	Academic Dismissal
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#### Academic Standing Standards: Physician Assistant Studies

Status at Start of Semester	Total Credit Hours Attempted	Cumulative or Term GPA	Status after Semester Completion
Good Standing	0–higher	3.0–4.0	Good Standing
Good Standing	0–higher	2.0–2.99	Probation
Good Standing	0–higher	0–1.99	Academic Dismissal
Probation	0–higher	3.0–4.0	Good Standing
Probation	0–higher	0–2.99	Academic Dismissal
Academic Warning	0–higher	3.0–4.0	Good Standing
Academic Warning	0–higher	0–2.99	Academic Dismissal

Note: For course grades below C, students may be dismissed, decelerated to the next cohort, and/or delayed in graduation.

#### Academic Standing Standards: Graduate Programs (Accelerated Master's Program students must meet these standards for the graduate-level coursework for which they are enrolled.)

Status at Start of Semester	Total Credit Hours Attempted	Cumulative GPA	Status after Semester Completion
Good Standing	0–higher	3.0–4.0	Good Standing
Good Standing	0–higher	2.0–2.99	Probation 1st Semester
Good Standing	0–higher	0–1.99	Academic Dismissal
Probation 1st Semester	0–higher	3.0–4.0	Good Standing
Probation 1st Semester	0–higher	2.0–2.99	Probation 2nd Semester
Probation 1st Semester	0–higher	0–1.99	Academic Dismissal
Probation 2nd Semester	0–higher	3.0–4.0	Good Standing
Probation 2nd Semester	0–higher	0–2.99	Academic Dismissal
Academic Warning	0–higher	3.0–4.0	Good Standing
Academic Warning	0–higher	0–2.99	Academic Dismissal

#### Academic Standing Standards: Doctor of Business Administration Occupational Therapy Doctorate

Status at Start of Semester	Total Credit Hours Attempted	Cumulative GPA	Status after Semester Completion
Good Standing	0–higher	3.0–4.0	Good Standing
Good Standing	0–higher	0–2.99	Academic Dismissal

Note: Students will be dismissed if their GPA is less than 3.00, or when they earn a grade lower than B- in any course. No classes may be repeated.

#### Academic Standing Standards: Doctor of Education

Status at Start of Semester	Total Credit Hours Attempted	Cumulative GPA	Status after Semester Completion
Good Standing	0–higher	3.25–4.0	Good Standing
Good Standing	0–higher	0–3.24	Academic Dismissal

Note: Students will be dismissed if their GPA is less than 3.25, or when they earn less than a B- in any course. No classes may be repeated.

### Academic Probation

Academic Probation may affect a student's ability to register and/or graduate. Graduate program students and Accelerated Master's Program students are allowed a maximum of two semesters on academic probation.

First-semester undergraduate students earning a cumulative GPA less than 1.0 are strongly encouraged to work with an academic success coach and attend tutoring in identified content areas.

### Academic Dismissal and Appeal Process

Academically dismissed undergraduate and graduate students may no longer matriculate at the university for at least one semester and are expected to work on academic deficiencies. The summer is an optional semester and is not counted as a semester off. To return to the university, students must petition the Academic Appeals Committee, providing a letter of intent and documentation of academic improvement. All students should discuss this process with their assigned academic counselor/advisor. The committee will also consider appeals that document mitigating circumstances. Students may only appeal their dismissal once and the decision of the committee is final.

#### Undergraduate Student Requirements

- Take one semester off from Johnson & Wales University.
- Take a minimum of two non-remedial classes at an accredited college or university within the same semester. Students must earn a minimum GPA of 2.50 and only one grade of C (70) in one class is permitted.
- Submit their official transcript.
- Submit a written statement about the circumstances of the dismissal and their plan for academic success if approved to return to Johnson & Wales University.

#### Graduate Student Requirements

- To return to the university, students may petition the Academic Appeals Committee after taking at least one semester off from Johnson & Wales University.
- Students should provide a letter of intent and documentation of academic improvement.
- All students should discuss this process and semester-specific deadlines with their assigned academic counselor/advisor.
- The Academic Appeals Committee meets once per semester to review all graduate-level appeals.

#### Doctoral Student Requirements

- To return to the university, students must petition the appropriate doctoral program director, through the written appeals process.
- Individuals who have been dismissed from a doctoral program for poor academic performance or progress may appeal the dismissal decision to the appropriate doctoral program director.
- A written appeal of academic dismissal must be submitted to the doctoral program director in writing no later than 30 days after the date of the notice of dismissal. The letter of appeal should include a) the basis for the appeal; b) a summary of discussions, if any, between the student and representatives of the student's program such as the student's major advisor and/or the student's doctoral program director; and c) outcome or remedy proposed by the student. The letter may include additional or new relevant information. The doctoral program director will communicate with the dean of the appropriate college by transmitting the student's letter of appeal.
- **Grounds:** The following are grounds for appeal: 1) incorrect calculation of grade point average; 2) misapplication of standards for academic performance and satisfactory progress by the appropriate college; 3) circumstances which had not been known which might be relevant to the dismissal.
- **Disposition:** The dean of the appropriate college may 1) act on the appeal, 2) appoint a designee to collect additional information for the dean, or 3) constitute a three-person ad hoc review committee from the college. The purpose of the ad hoc committee is to provide an opinion and recommendation to the dean regarding the appeal. The ad hoc committee will review all materials and communications related to the case. Additional information may be requested.

- The dean will inform the student and the doctoral program director in writing of the method of disposition of the appeal. If a dean's designee is appointed, the student and the doctoral program director will be informed of the name and contact information for the dean's designee.
- The dean's decision with respect to a student's appeal shall be final. The student and the doctoral program director will be informed in writing of the dean's decision.

### Academic Warning

Students who are reinstated into the university will be placed on Academic Warning. These students risk permanent dismissal from the university if they are unable to meet academic standing guidelines. The warning designation is sometimes used to override academic standing decisions at the end of the semester due to mitigating circumstances.

These undergraduate students will be allowed to register for a maximum of 12 credits in academic classes or 15 credits in laboratory classes. In addition, these students may be required to attend academic success coaching and tutoring in identified content areas. Failure to complete these requirements may result in immediate dismissal.

### Attendance

The purpose of the university's attendance policy is to help students develop a self-directed, professional attitude toward their studies and to maximize their educational opportunities. Regular class attendance provides fundamental educational value and offers the most effective means to gain command of the course concepts and materials.

Students are expected to attend all classes, arrive on time and remain for the entire class period, and report to class fully prepared with all required materials. To meet these expectations, students must arrange course schedules that minimize conflicts with other commitments, including personal commitments, work or participation in athletics or other university-sanctioned events. When students encounter difficulty meeting these requirements, they must actively engage their faculty member to discuss the concern.

Individual faculty define the specific role that class attendance plays in the calculation of final grades for each course. Additionally, excessive absences in certain courses may result in withdrawal from the course at the instructor's discretion. Students should consult the course syllabus and course instructor for specific faculty policies on attendance and make-up work within a course.

Students are expected to familiarize themselves with attendance requirements outlined in the Student Handbook.

### Credits and Grades

#### Definition of Credit Hour

As of July 1, 2011, federal law (Title 34, Code of Federal Regulations, sections 600.2 and 600.4) requires all accredited institutions to comply with the federal definition of the credit hour. Accordingly, for all Johnson & Wales University degree programs and courses bearing academic credit, the "credit hour" is defined as "the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks for one semester or the equivalent amount of work over a different amount of time; or
2. at least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practice, studio work, and other academic work leading to the award of credit hours."

A credit hour is assumed to be a 50-minute period. In courses in which "seat time" does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

Please see the appropriate tab to review the respective grading system.

### Undergraduate

#### Undergraduate Grading System

The grading system is as follows:

Grade Range	Letter Grade	Quality Points
95–100	A+	4.00
90–94	A	4.00
85–89	B+	3.50
80–84	B	3.00
75–79	C+	2.50
70–74	C	2.00
65–69	D+	1.50
60–64	D	1.00
0–59	F	0.00
Audit	AU	
Challenge Exam Credit	CX	
Grade Pending	GP	
Incomplete	I	
No Credit	NC	
No Grade	NG	
Pass	P	
Prior Learning Assessment	PL	
Satisfactory	S	
Unsatisfactory	U	
Withdrawal	W	

Note: Not all grades are used by all colleges.

### Honors Option (H)

If a course was taken as an Honors Program requirement, the grade received will be followed by H (e.g., AH, BH).

### Failure (F) #

A grade of F is issued if a student fails to achieve adequate scholastic progress. The grade is recorded permanently on the student's academic record. Upon successful completion of the course at a later date, the semester and cumulative grade point averages are adjusted to reflect only the passing grade. However, both grades will appear on the academic transcript.

### Audit (AU)

A grade of AU is issued when no academic credit is granted. This grade does not count in attempted and earned hours and is not calculated into the semester and cumulative grade point averages.

### Challenge Exam (CX)

A grade of CX is granted for specifically designated courses upon successful completion of department challenge exams. This grade is not calculated into the semester and cumulative grade point averages.

### Grade Pending (GP) #

This is a temporary mark given when the completion of course requirements is still underway. A GP is not calculated into the semester and cumulative grade point averages and is generally used under extreme, extenuating circumstances. Students who do not satisfy the instructor's requirements for the completion of outstanding work will not have a grade change submitted and the grade will automatically be updated to an F.

### Incomplete (I) #

A grade of I is issued to students if they are unable to complete course requirements because of authorized absences. Outstanding work must be completed within two weeks of the final exam class day or the grade will automatically become an F and be included in the semester and cumulative grade point averages. For classes graded S/U (Satisfactory/Unsatisfactory), an Incomplete (I) will change to a U.

### No Credit (NC) #

This is a non-punitive designation issued to a student who has been authorized to withdraw from class, or the university, due to extenuating circumstances. This grade is not calculated into the semester and cumulative grade point averages.

### No Grade (NG) #

A grade of NG is issued temporarily when there is no grade provided by the faculty member. This grade is not factored into the student's GPA. Once a

grade is submitted, the cumulative average and transcript will reflect only the new grade. If a grade is not submitted to replace the NG within one year, it will automatically become an F and the grade will be included in the semester and cumulative grade point averages.

### Pass (P)

In courses taken on a pass/fail basis, a pass letter grade is issued when a student has achieved the equivalent to a 60% or higher (standard letter grade of D). This grade is not calculated into the semester and cumulative grade point average.

### Prior Learning (PL)

Students may earn credit for the knowledge or skills they have mastered outside the classroom through volunteer work, employment, travel, professional training and seminars, or other comparable sources. This grade is not calculated into the semester and cumulative grade point averages.

### Satisfactory (S)

A grade of S is used for designated courses throughout the university. This grade is not calculated into the semester and cumulative grade point averages.

### Unsatisfactory (U) #

A grade of U is used for designated courses throughout the university. These grades are not calculated into the semester and cumulative grade point averages.

### Withdrawal (W) #

To record attempted credits, a grade of W is recorded when a student withdraws from a registered course after its add/drop period has ended or is withdrawn from a culinary/baking & pastry laboratory course or a course with an experiential education component due to excessive absences. This grade is not calculated into the semester and cumulative grade point averages.

# These grades will be counted as attempted but not earned credits for the purposes of determining satisfactory academic progress.

## Graduate

### Graduate Grading System

The grading system is as follows:

Grade Range	Letter Grade	Quality Points
97–100	A+	4.00
93–96	A	4.00
90–92	A-	3.70
87–89	B+	3.30
83–86	B	3.00
80–82	B-	2.70
77–79	C+	2.30
73–76	C	2.00
70–72	C-	1.70
0–69	F	0.00
Audit	AU	
Grade Pending	GP	
Incomplete	I	
No Credit	NC	
No Grade	NG	
Satisfactory	S	
Unsatisfactory	U	
Withdrawal	W	

Note: Not all grades are used by all colleges.

Any courses taken at the undergraduate level to satisfy foundation requirements follow the undergraduate grading system and will not be counted in the graduate-level grade point average (GPA).

### Failure (F) #

A grade of F is issued if a student fails to achieve adequate scholastic progress. The grade is recorded permanently on the student's academic record. Upon successful completion of the course at a later date, the semester and cumulative grade point averages are adjusted to reflect only the passing grade. However, both grades will appear on the academic transcript.



## Audit (AU)

A grade of AU is issued when no academic credit is granted. This grade does not count in attempted and earned hours and is not calculated into the semester and cumulative grade point averages.

## Grade Pending (GP) #

This is a temporary mark given when the completion of course requirements is still underway. A GP is not calculated into the semester and cumulative grade point averages and is generally used under extreme, extenuating circumstances. Students who do not satisfy the instructor's requirements for the completion of outstanding work will not have a grade change submitted and the grade will automatically be updated to an F.

## Incomplete (I) #

A grade of I is issued to students if they are unable to complete course requirements because of authorized absences. Outstanding work must be completed within two weeks of the final exam class day or the grade will automatically become an F and will be included in the semester and cumulative grade point averages. For classes graded S/U (Satisfactory/Unsatisfactory), an I will change to a U.

## No Credit (NC) #

This is a non-punitive designation issued to a student who has been authorized to withdraw from class, or the university, due to extenuating circumstances. This grade is not calculated into the semester and cumulative grade point averages.

## No Grade (NG) #

A grade of NG is issued temporarily when there is no grade provided by the faculty member. This grade is not factored into the student's GPA. Once a grade is submitted, the cumulative average and transcript will reflect only the new grade. If a grade is not submitted to replace the NG within one year, it will automatically become an F and the grade will be included in the semester and cumulative grade point average.

## Satisfactory (S)

A grade of S is used for designated courses throughout the university. These grades are not calculated into the semester and cumulative grade point averages.

## Unsatisfactory (U) #

A grade of U is used for designated courses throughout the university. These grades are not calculated into the semester and cumulative grade point averages.

## Withdrawal (W) #

To record attempted credits, a grade of W is recorded when a student withdraws from a registered course after its add/drop period has ended or is withdrawn from a culinary/baking & pastry laboratory course or a course with an experiential education component due to excessive absences. This grade is not calculated into the semester and cumulative grade point averages.

# These grades will be counted as attempted but not earned credits for the purposes of determining satisfactory academic progress.

## Full-time Status

For the purposes of financial aid and verification of enrollment, a student is considered enrolled in the semester by the census date if they are in attendance by the third class meeting for 16 week courses that meet twice per week, or by the second meeting for classes or labs that meet only once per week or run for less than 16 weeks. For online courses, a student is considered enrolled by the census date if they complete the first stated assignment or activity by the due date. If students do not meet these criteria, they will be withdrawn without academic penalty from the course (i.e., as never attended) and, when appropriate, issued a tuition adjustment in accordance with the Tuition and Fees Credit Policy.

Certification of full-, three-quarter-, half- or less-than-half-time enrollment status for loan deferment, medical insurance, etc. is based on hours of enrollment in a semester as of the census date. Listed below are the requirements that constitute full-time student status for official enrollment certification purposes and for financial assistance.

Status	Undergraduate	Graduate	Post Graduate
Full time	12 or more	9 or more	12 or more
Three-quarter time	9–11.99	N/A	N/A
Half time	6–8.99	4.5–8.99	6–11.99
Less-than-half time	0–5.99	0–4.49	0–5.99

Students should realize that in order to receive maximum financial aid they must maintain full-time status. Additionally, insurance companies and scholarship foundations frequently require students to maintain full-time status.

If a student who is receiving veteran's benefits or participating in athletics receives a grade of W or NC in a course, that course will not count toward full-time status.

Note: Undergraduate students must maintain a minimum of 6.0 credits each semester for purposes of financial aid only with the exception of the Federal Pell Grant.

## Readmittance

If a student has previously attended the university, a Readmittance Request is only required if the student's absence from the university will be more than three consecutive semesters (including summer).

Readmittance must be requested at least six weeks prior to the desired semester start date, and no earlier than

- summer: February 1
- fall: March 1
- spring: October 1

Students approved for readmittance will be assessed the current tuition rate and are responsible for any changes to their program of study that may have occurred during their period of absence. If the break in enrollment exceeds one year or more, the student's program of study may follow the requirements listed in the current year catalog. A review of previously awarded transfer credit will also be conducted and may be adjusted. Students are responsible for reviewing additional readmittance criteria.

## Readmission of Service Members

The university complies with Readmission Requirements for Service Members as outlined in the Higher Education Opportunity Act (HEOA). The HEOA provides that an institution may not deny readmission to a service member of the uniformed services for reasons relating to that service. In addition, a student who is readmitted under this section must be readmitted with the same academic status the student had when they last attended the institution. Academic status is defined by a student's grade level and whether or not the student was in a degree/certificate or non-degree/certificate program at the time of separation.

This policy applies to service in the uniformed services, whether voluntary or involuntary, on active duty in the Armed Forces, including service as a member of the National Guard or Reserve, for a period of more than 30 days under a call or order to active duty of more than 30 days. The university will readmit such a student as long as the following conditions are met:

- The student gives advance notice (written or verbal) of the call to active duty or, upon seeking readmission, submits a written verification that such service was performed, requiring their absence.
- The absence from school for active duty does not exceed five years.
- The student submits a notification of intent to re-enroll within three years after the completion of service or within two years after recovery from an illness or injury incurred during the service.
- The separation from service was not dishonorable.

## Tuition and Fees

A returning student must be charged the same tuition and fees in effect during the last academic year the student attended, unless veterans' education benefits or other service member education benefits will pay the amount in excess. For subsequent academic years, the returning student may not be charged tuition and fees in excess of what other students in the program are charged.



## Readmission Requirements

A returning student will be permitted to re-enroll in the next class(es) scheduled in the same academic program, unless the student requests a later date of re-enrollment or agrees to a different program. A returning student will be readmitted into the same academic program the student was enrolled in prior to the military service obligation. If the exact program no longer exists, the student must be admitted to the program that is most similar, unless the student requests or agrees to admission to a different program. Returning students will be re-enrolled with the same enrollment status, number of completed credit hours and academic standing as the last academic year of attendance.

If the university determines that a returning student is not prepared to resume the program or is unable to complete the program, the university must make reasonable efforts to enable the student to resume or complete the program at no additional cost to the student. If such efforts are unsuccessful or place an undue hardship on the university, the university is not required to readmit the student.

In accordance with federal regulations, returning students who receive a dishonorable or bad conduct discharge from the Armed Forces (including the National Guard and Reserves) are not eligible for readmission under this policy. However, service members who receive dishonorable or bad conduct discharge may remain eligible for readmission even though they will not be entitled to the benefits outlined in this policy.

The returning student may be required to provide supporting documentation.

## Repeat of Courses

When the appropriate course is available, the course may be repeated to earn a better grade. In order for a repeated course to apply to a student's degree, the course must be repeated prior to their last semester of enrollment. Students who have met the degree requirements for their program of study but chose to repeat a course in a subsequent semester will automatically be enrolled as an extension student in the subsequent semester and will be ineligible for financial aid.

Upon successful completion of the course at a later date, the cumulative grade point average (GPA) is adjusted to reflect the highest grade earned.\* However, each grade earned will appear on the academic transcript and count toward attempted credits. Students are required to pay any applicable tuition charges for all repeated coursework. Students are eligible for financial aid for only one repetition of a previously passed course.\*\*

\* A W grade issued prior to June 2017 will still be included in the student's GPA after the same course is successfully completed.

\*\* When a student has repeated a course previously applied to an awarded degree, each grade earned will be included in the cumulative point average.

**The above policy is not applicable to English as a Second Language (ESL) courses.**

### Course Deficiency

A course deficiency occurs when a student fails to complete a non-English as a Second Language course with a satisfactory grade, either by failing the course or by receiving a grade that does not meet the minimum required by the student's program. Academic warning, probation and dismissal are not determined from one course but by the cumulative GPA.

Students who fail a course after a second attempt should meet with their assigned academic counselor/advisor. Students can locate their assigned academic counselor/advisor information in their Success Network in uSucceed (accessed through jwuLink). Academic counselors/advisors will review the following options with the student:

- Consider a change of program.
- Repeat the same course, which will result in only the highest grade earned being calculated in the cumulative average.
- Student may be advised to take a pre-approved course at another institution outside Johnson & Wales University. The original grade will remain on the student's transcript, but will be excluded from the cumulative average.

Students opting to repeat the course will be encouraged to attend content tutoring. Visit the Academic Success Center (p. 338) on the Providence Campus or the Academic & Career Excellence Center on the Charlotte Campus or information on tutoring services.

## English as a Second Language Courses

Students enrolled in ESL courses will be allowed no more than three attempts to successfully complete each course. Students who are unsuccessful after the second attempt of a course will be assigned an academic standing hold, be placed on academic probation and will be required to meet with an academic counselor. Students who are unsuccessful after the third attempt of a course will be academically dismissed.

## Arts & Sciences Core Experience

Johnson & Wales University is committed to providing its students with the learning necessary for professional and personal success. A Johnson & Wales University education prepares students to become engaged citizens, equipped with the intellectual and practical skills needed to address complex issues in a diverse and dynamic world.

In addition to development of lifelong learning skills, the university's A&S general education core curriculum provides breadth of learning by introducing students to multiple ways of understanding the world through explorations in the natural sciences, social sciences and humanities.

### Sequential Learning

Foundational skills are introduced early on and reinforced throughout the curriculum: oral and written communication, quantitative literacy, critical thinking, ethical reasoning, and integrative learning.

Students build on these foundational skills in many disciplines in the arts and humanities, social sciences and natural sciences as well as in their major courses. All students must fulfill a university graduation requirement for college-level writing proficiency.

### Building Integrative Habits of Mind

An essential component of the A&S Core Experience is the development of integrative learning that requires thinking across boundaries, applying knowledge and skills in new situations, and synthesizing information from various perspectives to explore complex issues or problems. All Johnson & Wales University undergraduates are required to complete two Integrative Learning courses, one at the sophomore level and another in the senior year. These courses approach a big idea or question from the perspective of multiple disciplines. Developing the habit of connected inquiry throughout the four years of their undergraduate experience allows Johnson & Wales University graduates to apply the sort of adaptive, innovative thinking needed for professional success and lifelong learning.

Through the A&S Core Experience, Johnson & Wales University students are expected to:

- Effectively apply oral and written communication strategies appropriate for a particular situation and/or audience.
- Apply logical and quantitative reasoning skills to evaluate authentic situations and develop effective solutions.
- Apply appropriate disciplinary criteria to examine complex issues, make decisions, analyze arguments, conduct credible research, solve problems and create original ideas and/or approaches.
- Apply ethical standards and reasoning to complex issues in personal, academic and professional decisions.
- Demonstrate knowledge of the complexities of human behavior and society. Interpret human behavior from a social science perspective.
- Analyze connections among intellectual and creative expressions in literature, philosophy, history and/or culture to determine what they reveal about the diversity of human experience and perception.
- Demonstrate knowledge and application of the scientific principles that govern the natural world.
- Demonstrate the ability to synthesize and apply knowledge from multiple perspectives to complex issues and real world problems.

Regardless of their majors, all undergraduates are required to complete at least 42 credit hours of general education. Some of these courses may be determined by specific program requirements. The A&S core curriculum requirements are summarized below.

### THE A&S CORE EXPERIENCE

#### Communications Foundation Courses

ENG1020	Rhetoric & Composition I
ENG1021	Rhetoric & Composition II
ENG1030	Communication Skills

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<b>Integrative Learning</b>	<b>6</b>
Two ILS courses, one at the 2000 level, one at the 4000 level	
<b>Arts and Humanities – Two courses from ART, HIST, HUM, LIT, PHIL or REL</b>	<b>6</b>
One course required by program	
Additional AH course in a different discipline	
<b>Math – Two courses</b>	<b>6</b>
MATH One course at level of placement, 1002 or higher, minimum set by program	
MATH2001 Statistics I (or other required by program)	
<b>Science – At least one course from BIO, CHM, PHY or SCI (may be a program requirement)</b>	<b>3</b>
<b>Social Sciences – Two courses from ANTH, ECON, GEND, LEAD, PSCL, PSYC, RES, SOC</b>	<b>6</b>
One course required by program	
Additional SS course in a different discipline	
<b>A&amp;S Electives</b>	<b>6</b>
Two courses with an EASC attribute. Programs with required A&S credits beyond 42 semester credit hours may designate one or two 3 semester credit courses in general education electives to program-specific general education courses. If only one course is required, the other A&S elective remains as a choice for students.	
Total Credits	42.0

NOTE: Students must pass MATH0010 Pre-Algebra or have equivalent placement scores to enroll in required math course(s).

Note: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS 2000 level courses

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

NOTE: Students must pass ENG0001 Writing Workshop or have equivalent placement scores to enroll in ILS2000-level courses.

## Academic Events

Attendance at orientation is mandatory for all new students. Summer Orientation is offered to all new incoming full-time undergraduate day students entering Johnson & Wales University in the fall semester. At Summer Orientation, students meet with academic representatives in their chosen college. Students learn about campus resources, network with upper-class student leaders, familiarize themselves with the campus and make new friends. A January orientation program is offered also for all new incoming full-time undergraduate day students entering Johnson & Wales University in the spring semester.

**Commencement** is held at the end of each academic year in May. At these exercises, degree candidates are recognized. Participation in commencement exercises does not imply that graduation requirements are met.

## AICU Language Consortium

Johnson & Wales University is a member of the Association of Independent Colleges & Universities (AICU) of Rhode Island. This organization facilitates the AICU Language Consortium, a collaborative program that allows undergraduates enrolled at one of Rhode Island's private institutions of higher education to take language courses at any of the other AICU schools if those courses are unavailable at their home institution. JWU students who wish to study languages, such as Korean or Italian, that are not offered at the Providence Campus may enroll in courses at member institutions, including Brown University, Providence College and others.

Participation in this program is subject to availability of courses and to grading and transfer credit policies of the AICU partner institution. JWU students need to plan well in advance in order to take a course at another school.

For more information about this language program and how to apply, please contact the John Hazen White College of Arts & Sciences dean's office.

## Course Numbering System

### Numeric Values:

- 0001–0999: Non-credit or institutional credit courses
- 1000–1999: Introductory courses
- 2000–3999: Intermediate courses
- 4000–4999: Advanced courses
- 5000–6999: Graduate courses
- 7000–9999: Doctoral courses

### First Digit:

- 1: Freshman level
- 2: Sophomore level
- 3: Junior level
- 4: Senior level
- 5–6: Graduate level
- 7–9: Doctoral level

## Experiential Education & Career Services

Experiential Education & Career Services (EE&CS) supports the university's mission to integrate general education, professional skills and career-focused education by providing students with services and support for experiential education and career planning. EE&CS achieves this purpose through a team of qualified career professionals by providing expert advising, an array of career services and strategic partnerships with employers, faculty and staff. The goal is to empower students to make effective career choices and identify and pursue internships, secure employment and navigate lifelong career direction.

EE&CS offers a variety of internship programs and career services including a career management course, résumé critiques, mock interviews, career fairs, exposure to industry professionals, on-campus interviews and more. These services assist students in building skills to obtain employment and independently manage their careers.

EE&CS components include

- internship opportunities available in all colleges. Internship is designed to provide eligible students with practical work experience in their chosen field of study while they earn academic credit for the experience
- directed experiential education, which offers students an intensive, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a specific industry-based or functional-area-based project completed for a nonprofit or for-profit partner.
- one-on-one advising and workshops from career professionals who assist with résumé development, networking skills, mock interviews, virtual interviewing practice software, job search strategies and planning for graduate-level programs
- a career management course for juniors that focuses on building customized résumés for individual job opportunities, developing an online professional profile, and gaining effective interviewing skills
- career planning tools and resources including major-specific résumé examples vetted by industry, virtual interviewing practice software, career-related guidebooks, and career and industry research subscriptions
- online job postings by employers who are looking to hire students for part- and full-time jobs (on and off campus) as well as internships
- networking opportunities with employers and industry professionals representing a broad range of fields, who visit campus each year to participate in on-campus interviewing and recruiting events and serve as guest lecturers and classroom speakers

Note: The Experiential Education & Career Services department does not guarantee employment.

Students are encouraged to contact the office of Experiential Education & Career Services for more details. For locations, hours and contact information, please consult the JWU Directory.

## Global Learning Distinction

The Global Learning Distinction offers JWU students an enhanced transcript designation that highlights their globally-focused experiences, at both the undergraduate and graduate levels. Students can document their participation and achievements, earning a Global Learning Distinction that will be noted on their final transcript upon completion of established benchmarks. Students will also be provided with a blue and white cord to wear during Commencement to recognize their achievement.

Global learning opportunities are available to students through a variety of academic and co-curricular pathways, including

- Academic and Professional Experiences (e.g., Study Abroad, international internships, coursework)
- Community & Cultural Engagement Experiences (e.g., joining or serving on the board of student cultural organizations, volunteering with local nonprofit organizations)
- Leadership Development Experiences (e.g., peer mentoring between graduate students and the English Language & Culture Academy, opportunities with Student Involvement & Leadership, the Bridge for Diversity, Equity & Social Justice, and Student Government Association)
- Programs and Events (e.g., attending, planning or facilitating cultural events on campus and in the broader community)

The Global Learning Distinction is available to students in all majors on the Providence Campus. For more information, please email (JWUGlobal@jwu.edu) JWU Global.

## Graduation Requirements

Please see the appropriate section for information regarding graduation requirements.

### Undergraduate

#### Undergraduate Degree Candidates

Graduation requires successful completion of a prescribed sequence of study and a minimum 2.00 grade point average. Students with a cumulative GPA below 2.00 will not be in compliance with the criteria for good academic standing and may be subject to academic dismissal. Furthermore, as required by their program, all students must successfully complete any and all requirements as indicated on their degree audit.

All associate-level degrees require the completion of a minimum of 60 semester credits. All bachelor's-level degrees require the completion of a minimum of 120 semester credits. While most programs have variations that require slightly more semester credits for completion, no program requires fewer than the 60/120 semester credit minimum.

Additional information regarding graduation requirements can be found in the Student Handbook.

### Graduate

Graduation requires successful completion of a prescribed sequence of study and a minimum grade point average of 3.00 (3.25 for Ed.D. candidates). Students with a cumulative GPA below 3.00 (3.25 for Ed.D. candidates) will not be in compliance with the criteria for good academic standing and may be subject to academic dismissal. In addition, Ed.D., DBA and OTD students must not receive a grade lower than B- in any course. No classes may be repeated.

Students are reviewed for graduation when they have completed all requirements in their program of study. Graduation is not recorded until after semester has ended, grades have been received, and the degree audit of each expected graduate has been reviewed. Confirmation of graduation will occur approximately 30 days after final semester grades have been submitted.

Additional information regarding graduation requirements can be found in the Student Handbook.

## Honors

Johnson & Wales University offers many opportunities for high-level scholastic achievement. This section of the catalog contains information for students interested in an academically advanced curriculum (Honors Program), an expedited academic program (SHARP), and academic recognition for high-performing students (Dean's List and Latin Honors).

## Dean's List

Full-time **undergraduate** students who demonstrate academic excellence by achieving a term grade point average (GPA) of at least 3.50 while also earning a minimum of 12 or more GPA/credit hours, receive dean's list commendation. Upon processing of approved grade changes, student records will be evaluated for dean's list eligibility. Dean's list notation will appear on the student's academic transcript. Dean's list notation will not appear on the diploma.

Press releases may be sent to hometown newspapers by completing a Dean's List Press Release Request.

Dean's list is not calculated for students enrolled in English as a Second Language programs.

Please see Grade Point Average for information regarding the formula for calculating GPA.

## Honors Program

The Honors Program offers academically talented day program students seeking bachelor's degrees the opportunity to explore challenging and stimulating courses. Eligible applicants must have taken a college prep curriculum, maintained a grade point average of 3.50 or higher, and placed in the top 20 percent of their high school graduating class.

Honors students enroll in honors sections of several courses in the Arts & Sciences Core Experience, including smaller, student-centered honors seminars in their sophomore and junior years. All honors students complete a two-semester research course sequence, culminating in an honors thesis. Through these experiences, they have the opportunity to work closely with some of the university's most dedicated and accomplished faculty, join a community of academically motivated students, and pursue original and individually directed study.

Students who complete the Honors Program requirements will graduate with the University Honors Scholar designation.

To complete the Honors Program requirements, honors students must complete a total of eight honors courses and submit an accepted honors thesis to earn the University Honors Scholar designation. These courses include ENG1024 Honors Composition: Writing in the Academy ;ENG1027 Honors Advanced Composition and Communications: Civic Discourse ; four honors seminars;RSCH3020 Honors Research Seminar ; and RSCH4020 Honors Directed Academic Experience , culminating in an honors thesis.

Once accepted into the program, Honors Program students must maintain a cumulative GPA of 3.40 or better to continue in the program. Students who fail to maintain this GPA will be placed on Honors Warning for one semester. Students who fail to attain the 3.40 GPA after that semester will be placed on Honors Probation. Students whose GPA remains below 3.40 for a third semester will be dropped from the Honors Program. Only one warning and one probationary semester are allowed in the entire undergraduate program.

Further information about curriculum, advising and policies of the Honors Program is available at the Honors Program website.

### Transfer Students

Transfer students may enter the Honors Program if they can provide documentation of Honors Program enrollment at their former institution, provided their GPA is 3.50 or higher at the time of their acceptance to Johnson & Wales University.

During their freshman or sophomore year, non-honors students at Johnson & Wales may apply to the program, provided they carry a 3.50 GPA or higher and have completed at least a semester of study at JWU. Students must provide a faculty recommendation.

Contact the Honors Program director on your campus for application details.

## Latin Honors

Eligible **undergraduate** degree candidates receive cum laude, magna cum laude and summa cum laude recognition based on their graduating overall grade point average. Students with the designated graduating GPA are eligible to receive honors as follows: cum laude, 3.50–3.69; magna cum laude, 3.70–3.89; and summa cum laude, 3.90–4.00.

For publication purposes in the commencement program, the honors status of students completing remaining course requirements in or following the

spring semester is determined by the cumulative GPA at the **end of the fall semester** of the previous year. A student's final GPA will be used to record graduating honors, as applicable on the student's diploma and academic transcript.

Please see Grade Point Average for information regarding the formula for calculating GPA.

## Licensure & Professional Certification Disclosures

Each state has different professional licensure and certification requirements. Below, we disclose only whether our programs meet the educational components of licensure or certification requirements. Other licensure or certification requirements may include professional examinations, background checks, years of work experience, fingerprinting requirements, etc.; our determinations do not address that. Students who are considering an academic program that may allow them to pursue professional licensure or certification in their state are strongly encouraged to check their state's information and contact the appropriate agency or board to seek information and additional guidance before beginning a program outside of their state.

Licensure and certification information is reviewed and updated in March of each year. Students who plan to pursue licensure or certification should be aware that state licensure and certification requirements are subject to changes. While a program may originally meet the educational requirements for licensure or certification, changes in requirements could impact the program's ability to meet any new educational requirements. Students should always check with their state agency or board to confirm licensure and certification requirements.

### Student Location Policy and Relocation During Program

JWU defines location for all students as their permanent home address. Students are required to verify their permanent address every 120 days and are responsible for updating their permanent home address so that the information is correct and current at all times of enrollment. Students can update their permanent address any time via jwuLink. For students who fail to update their permanent address, the university will use the last address on file for such students to determine location.

Prospective and current students should keep in mind that licensing and certification requirements vary by state and that relocating during the course of a program to another state could impact whether that student can meet the eligibility requirements of that state. If students are considering relocating, they should contact their program director/department chair or the Office of the Provost to check for licensure and certification eligibility requirements.

The charts below demonstrate the university's determinations as of February 17, 2021, for programs that may lead to licensure or certification.

College	Degree Program	Campus(es)	Program Meets Educational Component of Licensure or Certification Requirement	Program Does Not Meet Component of Licensure or Certification Requirement	No Determination Has Been Made
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John Hazen White College of Arts & Sciences	B.S. Equine Business Management/ Riding	Providence	MA*		
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John Hazen White College of Arts & Sciences	M.A.T. Master of Arts in Teaching**	Providence	RI**		All states and D.C. (with the exception of RI)**
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John Hazen White College of Arts & Sciences	M.S. Addiction Counseling	Providence	CT, CO, FL, GA, MA, ME, NH, NJ, NY, NC, PA, RI, SC, VT, VA, WV	AL, AK, AZ, AR, CA, DE, HI, ID, IL, IN, IA, KS, KY, LA, MD, MI, MN, MS, MO, MT, ND, NE, NV, NM, OH, OK, OR, SD, TN, TX, UT, WA, WI, WY and D.C.
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John Hazen White College of Arts & Sciences	M.S. Clinical Mental Health Counseling	Providence	CO, CT, FL, GA, MA, ME, NH, NJ, NY, NC, PA, RI, SC, VT, VA, WV	AL, AK, AZ, AR, CA, DE, HI, ID, IL, IN, IA, KS, KY, LA, MD, MI, MN, MS, MO, MT, NE, NV, NM, ND, OH, OK, OR, SD, TN, TX, UT, WA, WI, WY and D.C.
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College of Business	MBA Accounting Concentration	Providence	All states and D.C.	
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College of Health & Wellness	B.S. Dietetics & Applied Nutrition	Providence	Licensing: All states and D.C. Certification: Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C.	
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College of Health & Wellness	M.S.P.A.S. Physician Assistant Studies	Providence	All states and D.C.	
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College of Health & Wellness	OTD Occupational Therapy Doctorate (Candidate for ACOTE accreditation)	Providence	All states and D.C.	
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College of Food Innovation & Technology	A.S. Baking & Pastry Arts (A.A.S in Charlotte)	Providence, Charlotte	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C.	
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College of Food Innovation & Technology	A.S. Culinary Arts (A.A.S. in Charlotte)	Providence, Charlotte	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C. SERVSAFE Alcohol accepted in: AL+, AR+, AZ, CA+, CO+, CT+, FL+, GA, IA+, ID, IL, IN, KS+, KY+, LA, MA, MD, ME+, MI, MN+, MO+, MS+, MT, NC, ND+, NE+, NH+, NJ+, NM, NV, NY+, OH+, OK, PA+, RI, SC+, SD+, TN, UT, VA+, WA, WI, WV+, WY+ and D.C.	SERVSAFE Alcohol not accepted in: AK (pending), DE, HI, OR, TX+, VT
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College of Food Innovation & Technology	B.S. Culinary Arts	Providence, Charlotte	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C. SERVSAFE Alcohol accepted in: AL+, AR+, AZ, CA+, CO+, CT+, FL+, GA, IA+, ID, IL, IN, KS+, KY+, LA, MA, MD, ME+, MI, MN+, MO+, MS+, MT, NC, ND+, NE+, NH+, NJ+, NM, NV, NY+, OH+, OK, PA+, RI, SC+, SD+, TN, UT, VA+, WA, WI, WV+, WY+ and D.C.	SERVSAFE Alcohol not accepted in: AK (pending), DE, HI, OR, TX+, VT
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College of Food Innovation & Technology	B.S. Applied Food Science	Charlotte	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C.	
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College of Food Innovation & Technology	B.S. Culinary Nutrition	Providence, Charlotte	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C. SERVSAFE Alcohol accepted in: AL+, AR+, AZ, CA+, CO+, CT+, FL+, GA, IA+, ID, IL, IN, KS+, KY+, LA, MA, MD, ME+, MI, MN+, MO+, MS+, MT, NC, ND+, NE+, NH+, NJ+, NM, NV, NY+, OH+, OK, PA+, RI, SC+, SD+, TN, UT, VA+, WA, WI, WV+, WY+ and D.C.	SERVSAFE Alcohol not accepted in: AK (pending), DE, HI, OR, TX+, VT
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College of Food Innovation & Technology	B.S. Baking & Pastry Arts	Providence	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C.	
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College of Food Innovation & Technology	B.S. Baking & Pastry Arts	Providence	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C. SERVSAFE Alcohol accepted in: AL+, AR+, AZ, CA+, CO+, CT+, FL+, GA, IA+, ID, IL, IN, KS+, KY+, LA, MA, MD, ME+, MI, MN+, MO+, MS+, MT, NC, ND+, NE+, NH+, NJ+, NM, NV, NY+, OH+, OK, PA+, RI, SC+, SD+, TN, UT, VA+, WA, WI, WV+, WY+ and D.C.	
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College of Food Innovation & Technology	B.S. Culinary Science & Product Development	Providence Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C.	Conference for Food Protection approved in all states and D.C.	SERVSAFE Alcohol not accepted in: AK (pending), DE, HI, OR, TX+, VT
College of Food Innovation & Technology	B.S. Food & Beverage Entrepreneurship	Providence, Charlotte, College of Professional Studies	Conference for Food Protection approved in: AK (pending), DE, HI, OR, TX+, VT	SERVSAFE Alcohol accepted in: AL+, AR+, AZ, CA+, CO+, CT+, FL+, GA, IA+, ID, IL, IN, KS+, KY+, LA, MA, MD, ME+, MI, MN+, MO+, MS+, MT, NC, ND+, NE+, NH+, NJ+, NM, NV, NY+, OH+, OK, PA+, RI, SC+, SD+, TN, UT, VA+, WA, WI, WV+, WY+ and D.C.

College of Hospitality Management	B.S. Food & Beverage Industry Management	Providence, Charlotte	SERVSAFE Alcohol accepted in: AL+, AR+, AZ, CA+, CO+, CT+, FL+, GA, IA+, ID, IL, IN, KS+, KY+, LA, MA, MD, ME+, MI, MN+, MO+, MS+, MT, NC, ND+, NE+, NH+, NJ+, NM, NV, NY+, OH+, OK, PA+, RI, SC+, SD+, TN, UT, VA+, WA, WI, WV+, WY+ and D.C.	SERVSAFE Alcohol accepted in: AK (pending), DE, HI, OR, TX+, VT
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College of Professional Studies	B.S. Baking & Pastry Arts and Food Service Management B.S. Culinary Arts and Food Service Management A.A.S. Professional Culinary Studies; Professional Culinary Skills Certificate	College of Professional Studies	Conference for Food Protection approved Food Safety Manager Certification accepted in all states and D.C.
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\* B.S. Equine Business Management/Riding program prepares students to take the Massachusetts Riding Instructor's License Exam. No other states require riding instructor licensing.

\*\* JWU's M.A.T. programs are accredited as Educator Preparation Programs by the Rhode Island Department of Education. Rhode Island is a member of the National Association of State Directors of Teacher Education and Certification (NASDTEC). Candidates who complete Rhode Island Approved Educator Preparation Programs are eligible for certification in Rhode Island and are eligible for certification in other states through reciprocity based upon agreements in the Interstate Certification Agreement with NASDTEC. Individual states retain the right to have additional requirements, usually in the form of a state-specific teacher exam. Students should check with a state's Department of Education to determine specific certification requirements prior to applying.

+ Alcohol service certification is considered voluntary by the state or county.

## Minors, Specializations and Certificates

Please see the appropriate undergraduate or graduate tab for information regarding minors, specializations and certificates.

### Undergraduate

#### Undergraduate Minors, Specializations and Certificates: Definitions and Guidelines

A **minor** provides students the opportunity to explore a secondary area of inquiry independent of the academic major. A minor requires successful completion of at least 15 semester credits in a single prescribed area of study pursued concurrently with bachelor's degree requirements.

A **specialization** is an identified area within an undergraduate program that consists of a minimum of 15 semester credits pursued concurrently with bachelor's degree requirements. The specialization is a subset of the major, and credits earned toward a specialization are calculated in the required number of courses/credits for the earned major.

A **certificate** represents the pursuit of applied knowledge and/or skills in a specific field of study recognized by a profession. An undergraduate certificate is a non-degree program requiring at least 15 semester credits. A student who wishes to pursue a certificate program must apply through Admissions. If a certificate student enrolls later in a degree-bearing program, the applicable courses successfully completed for the certificate program may be applied to the requirements of the student's declared program.

A **micro-certificate** is a non-degree credential offered to non-degree students through JWU's College of Professional Studies (CPS) to provide targeted instruction for industry/field specific knowledge and/or skills. Undergraduate micro-certificates are normally comprised of 12 semester credits. Graduate micro-certificates are normally comprised of 9 semester credits. Previously earned academic credits cannot be applied to micro-certificate requirements. A student who wishes to pursue a micro-certificate must apply through CPS Admissions. If a micro-certificate student later enrolls in a degree-bearing program, the courses successfully completed for the micro-certificate may be applied to the requirements of the student's declared program.

## Guidelines for Minors

- To earn a minor, a student must complete a minimum of 15 semester credits in a single prescribed area of study concurrently with his or her bachelor's degree requirements.
- A student may not pursue a major and a minor in the same field of study.
- A student may not create their own minor.
- Credits earned in major courses cannot be applied to the minor. Courses in the A&S Core Experience, Related Professional Studies and Business Foundations may be applied to the minor. Please consult the catalog for specific course requirements for minors.
- A student who wants to declare a minor must submit a request form to Student Academic Services no later than the start of their senior year. Students are encouraged to declare a minor as early in their academic career as possible to allow for proper planning of registration.
- Courses offered through study abroad may apply.
- A maximum of 6.0 credit hours of transfer credit can be applied to the attainment of a minor.
- Credits earned or applied toward one minor will not be counted toward the requirements of another minor.
- Some minors may require completion of prerequisite courses that extend the minor beyond 15 semester credits. Advisors must caution students that pursuing a minor may extend the amount of time needed to complete a degree program.
- The successful completion of a minor will be recorded on the student's academic transcript when the degree is awarded. A minor will not be applied to a student's academic transcript after the degree has been awarded. No form of honors or grade point average will be issued for the minor.

## Graduate

### Graduate Concentrations and Certificate Programs: Definitions and Guidelines

A **concentration** is an area of study within a graduate degree program that consists of a minimum of 12 semester credits. The concentration is a subset of the major, and credits earned toward a concentration are calculated in the required number of courses/credits for the earned major.

A **certificate program** represents the pursuit of applied knowledge and/or skills in a specific field of study recognized by a profession. A graduate certificate is a non-degree program requiring at least 12 semester credits.

**Embedded certificates** will be awarded only in certain areas where the credential would be recognized by a profession.

A **micro-certificate** is a non-degree credential offered to non-degree students through JWU's College of Professional Studies (CPS) to provide targeted instruction for industry/field specific knowledge and/or skills. Undergraduate micro-certificates are normally comprised of 12 semester credits. Graduate micro-certificates are normally comprised of 9 semester credits. Previously earned academic credits cannot be applied to micro-certificate requirements. A student who wishes to pursue a micro-certificate must apply through CPS Admissions. If a micro-certificate student later enrolls in a degree-bearing program, the courses successfully completed for the micro-certificate may be applied to the requirements of the student's declared program.

### Guidelines for Graduate Certificates

- An external student who wishes to pursue a graduate certificate program must apply through JWU Admissions. If a certificate student enrolls later in a degree-bearing program, the courses successfully completed for the certificate program may be applied to the course requirements of the student's declared program.
- A maximum of 3.0 semester hours of transfer credit can be applied to the attainment of a graduate certificate.
- The certificate will be awarded after the necessary courses have been successfully completed. Completion of a certificate will be recorded on the student's academic transcript.

## Residency Requirement

Residency requirement refers to the number of credits that students must take at JWU to be eligible for a degree or certificate, whether they are transfer students or JWU students acquiring an additional degree.

Classes taken elsewhere while matriculating at JWU are considered transfer credits and do not apply to residency requirements. In general, credits taken during study abroad programs are processed as transfer credits and do not apply to residency requirements.

Please see the appropriate tab for information regarding residency requirements.

## Undergraduate

The residency requirement for all students pursuing an associate degree is a minimum of 21.0 credit hours, half of which must be within the major field.

For students pursuing a bachelor's degree, the minimum is 30.0 credit hours, half of which must be within the major field.

Students pursuing a certificate program will be allowed to transfer a maximum of 6.0 credits (including JWU courses) toward certificate program requirements.

Upon department chair review, certain related professional studies courses, business foundations and program electives may be considered when determining residency. Standardized testing credits are not considered when determining residency requirements.

### Additional Degrees

Students in good academic standing may pursue one additional associate degree in a program that has a minimum of 21.0 credits which are not in their primary major (there must be a 21.0-credit difference between the two associate degrees). Half of the credits must be within the major field of the additional associate degree. Classes in the additional associate degree may not be used as electives in the primary major if residency requirements have not been met.

Students in good academic standing may pursue one additional bachelor's degree in a program that has a minimum of 30 credits which are not in their primary major (there must be a 30-credit difference between the two bachelor's degrees). This will typically equate to at least a full year of study beyond the first baccalaureate degree. Half of the credits must be within the major field of the additional bachelor's degree. Classes in the additional bachelor's degree may not be used as electives in the primary major if residency requirements have not been met.

Note: Students pursuing additional degrees may also incur additional tuition and fees.

## Graduate

A maximum of 20 percent of the program's credits can be awarded as transfer credit in accordance with the university's Graduate Transfer Credit Policy (p. 311).

### Additional Degrees

Due to the overlap in core curriculum, students who complete an MBA at Johnson & Wales University are not eligible to complete a second MBA at Johnson & Wales University. However, any student who received a master's degree from Johnson & Wales University may apply for admittance to additional master's degree programs at the university through Graduate Admissions. A maximum of 20 percent of coursework may be shared between the graduate programs. Students must be in good academic standing and meet the entrance requirements for the prospective program to gain admittance.

Note: Students pursuing additional degrees may also incur additional tuition and fees.

## Study Abroad

JWU Global — Study Abroad offers students of all majors the opportunity to earn JWU academic credit while taking classes and living internationally. Study abroad promotes global citizenship and community engagement through international study in programs and countries that suit students' learning styles and professional goals. Study Abroad opportunities are available that allow students to delve into many different areas of interest all over the world (e.g., practice leadership in Nepal; explore nature tour guiding skills in South Africa; study fashion and design in Italy; discover volcanic wines in the Azores; expand the first-year experience with general studies in Berlin; or enroll at an exchange partner institution across the globe).

In collaboration with academic colleges across all JWU campuses, JWU Global Study Abroad programs offer a variety of international options for major, minor, arts and sciences, and elective credit at many affordable price points

for students during the academic year, break periods, and summer. Faculty-led, exchange, affiliate, and direct-enroll programs range in duration from one week to a full semester or full year. Financial aid may be applied and scholarships are available. Visit the study abroad website for information, program descriptions and online applications. Where will you go?

## Transcripts

An official transcript is a complete representation of a student's academic record. It includes all courses attempted at Johnson & Wales University, including those withdrawn from and those repeated. It also includes a summary of all transfer credits accepted by the university. Academic work completed at different levels (undergraduate, graduate, post-graduate) is listed on separate transcripts with a separate GPA. In accordance with the Family Educational Rights and Privacy Act (FERPA), a transcript may be released only upon consent of the student.

Johnson & Wales University has authorized the National Student Clearinghouse (NSC) to provide 24/7 online transcript ordering. Alumni, current and former students can order official transcripts using any major credit card. Real-time email and mobile text alerts keep you up to date on the status of your order. You can also track your order online for added convenience.

The university offers both electronic and print transcripts with several delivery options. Each transcript costs \$5 with additional charges for Express/Certified delivery. Please take a moment to read the following before placing your order.

[CLICK HERE TO ORDER YOUR OFFICIAL TRANSCRIPT](#)

### Official Transcript Delivery Options

- **Electronic PDF (\$5):** This fastest option is delivered in less than 24 hours to the recipient you have provided. Please make sure the recipient accepts electronic PDF transcripts and keep in mind the following when ordering:
  - The transcript retrieval link will expire 30 days from the date in which it was sent.
  - If you order an electronic PDF version of your transcript sent to yourself, it will be an **unofficial** transcript. In order for your electronic transcript to be official, you must have it sent to another institution or individual directly. If you need an official copy sent to yourself, it must be sent by mail.
  - Electronic transcripts can be delivered relatively quickly. However, if you attended JWU prior to 1980, additional time may be required for your paper record to be converted to the appropriate format.
  - If you choose to send an electronic PDF transcript and the recipient never opens it, we cannot refund the cost of the order. You will receive updates that the transcript has not been retrieved and are encouraged to follow up with the intended recipient.
- **Mail/United States (\$5):** In this delivery option the transcript will be mailed via regular first-class USPS mail within one business day of order (please allow up to five-to-seven business days for delivery by the U.S. Postal Service).
- **Mail/International (\$5):** In this delivery option the transcript will be mailed via regular first-class mail as an alternative to sending the transcript via Express delivery for a lower fee. If the transcript is not urgent, and package tracking is not needed, this is a cost effective alternative to Express that can take up to four weeks for delivery depending on the destination.
- **Certified Mail/United States (\$12):** In this delivery option the transcript is sent first-class USPS mail and it takes the standard five-to-seven business days for delivery; however it also provides a Proof of Mailing & Delivery when the letter is delivered. A tracking number is provided to the requestor, like with Express delivery, for the package to be tracked up to delivery of the transcript. This delivery option requires a signature by the recipient for the transcript to be delivered. If the recipient is not available to sign for the transcript, a delivery reminder slip is left by the carrier. This reminder informs the recipient that a USPS Certified Mail letter is being held at the local post office for pick-up. The recipient must go to the post office to sign for the letter and pick it up, or the transcript will be attempted again after five days of original delivery attempt.
- **Express Delivery Options (FedEx delivery):** In this delivery option transcripts requested prior to 11am ET will be mailed within one business

day of order to the recipient. Transcripts requested after 11am ET will be mailed within two business days. Please be aware that FedEx will only ship to physical addresses. They will not deliver to PO boxes.

- Express/United States (\$27)
- Express/Canada & Mexico (\$47)
- Express/International (\$60)

### Processing Options

Current Transcript: reflects current grades, classes, and degree status as of order date.

\*If you are a current student and require a transcript with completed grades or degree information, please check your unofficial transcript on [jwuLink](#) to ensure your grades and/or degree have been posted. Wait to place your order until you are notified that grades and/or degrees have been awarded for the current semester. You may also view your unofficial transcript on [jwuLink](#) to see if this information has been posted. Transcripts will not be reprinted or reordered (for free) because of a failure to do so. Dates when degrees will be awarded on your transcript can be found below.

**Spring 2022 semester:** May 31, 2022

**Summer 2022 semester:** September 8, 2022

**Fall 2022 semester:** January 19, 2023

**Spring 2023 semester:** May 31, 2023

**Summer 2023 semester:** September 7, 2023

### Holds

Your transcript will not be released if there is a hold on your account. You will be notified by email indicating there is a transcript hold. The email will contain contact information for you to resolve the hold. When the hold has been removed from your record, your transcript request will be processed. *Your credit card will not be charged until your transcript is sent.* Requests that are on hold for more than 30 days will be cancelled and you will not be charged.

### Attaching Documents

While placing your order, you may submit up to three attachments to be sent along with your transcript. Attachments may be included for all delivery options. These attachments may include documents that the university needs to complete on your behalf or documents that are simply required to accompany your transcript. The university reserves the right to review and refuse the sending of any attachments. Attachments may be in pdf, doc, docx, jpg, jpeg or png format.

### Help

To receive help with any part of the transcript ordering process, contact the Clearinghouse at (703) 742-4200. A list of frequently asked questions and transcript ordering topics are located on the [My Student Center](#).

### Refund Policy

There are no refunds. Please ensure you enter the correct recipient email or mailing address.

[CLICK HERE TO ORDER YOUR OFFICIAL TRANSCRIPT](#)

## Transcripts from Other Schools

### Transcripts from Other Schools

Transcripts reflecting a student's secondary or previous college education that have been submitted to Johnson & Wales University as a requirement for admission become a part of the student's official file. Johnson & Wales University does not provide copies of other institutions' transcripts. Transcripts must be ordered directly from the institution where the coursework was completed.

# Admissions

Johnson & Wales University's admissions process goes beyond simply looking for academically accomplished students. The university seeks to attract and retain highly motivated and demonstrably capable students. Students' motivation and interest in succeeding in their chosen careers are given consideration along with their academic achievements.

## Applying for Admission

Please see the appropriate undergraduate or graduate tab for information regarding applying.

### Undergraduate

#### How to Apply

Students are encouraged to apply online for quicker processing. Common Application and paper applications are also accepted. No application fee is required for any of these methods.

To submit an application on paper, students may request an application be mailed to them by contacting the Johnson & Wales Admissions office noted below.

Completed paper applications should be mailed to the following campus addresses:

#### Providence Campus

Admissions  
Johnson & Wales University  
8 Abbott Park Place  
Providence, RI 02903

#### Charlotte Campus

Admissions  
Johnson & Wales University  
801 W. Trade Street  
Charlotte, NC 28202

Students should be sure to complete their application in full. Incomplete applications could affect eligibility for Johnson & Wales scholarship programs. No additional information submitted after the initial application has been received will be considered for additional scholarships. For U.S. students, eligibility for university need-based and federal aid is determined through the Free Application for Federal Student Aid (FAFSA).

In completing the application form, students must indicate the semester in which they wish to enroll. Applications are accepted for semesters beginning in the fall and spring.

**Early Action Admission** (first-year applicants for fall semester): Johnson & Wales University offers Early Action Admission, a non-binding application program for students who view JWU as one of their top choice schools. The application deadline for Early Action is November 1. Acceptance letters will be mailed mid-November.

**Regular Admission** (both semesters): The application deadline for Regular Admissions is May 1 and applications for the fall semester received after November 1 (early action deadline) will be reviewed on a rolling basis. Admissions will begin releasing decisions mid-December. Students are encouraged to complete the application process as soon as possible. For the spring semester, students are encouraged to complete the application process as soon as possible before the semester start, preferably 30 days prior. Admissions may choose to extend these deadlines.

Certain bachelor's degree programs require successful completion of associate degree or equivalent. This acceptance is contingent upon receipt and evaluation of college transcripts.

After completing the application form, students are responsible for requesting that their high school guidance office forward to the university an official copy of the secondary school record for admissions consideration.

When possible, Johnson & Wales University would prefer to receive the applicant's high school transcripts at the same time as the application for admission. Transfer students must also submit official transcripts from all high schools and colleges attended. For the first year of any new program, acceptance of transfer credit is contingent upon course scheduling.

### Graduate

#### How to Apply

Students are encouraged to apply online for quicker processing. Paper applications are also accepted. No application fee is required for either method.

To submit an application on paper, students may request an application to be emailed or mailed to them by contacting the Johnson & Wales Admissions office noted below.

Completed paper applications should be mailed to the following campus address:

#### Providence Campus

Graduate Admissions  
Johnson & Wales University  
8 Abbott Park Place  
Providence, RI 02903

Students should be sure to complete their application in full. For U.S. students, eligibility for federal aid is determined through the Free Application for Federal Student Aid (FAFSA).

The **Physician Assistant Studies (MSPAS)** program is available only at the Providence Campus and applicants for this program must apply through the Central Application Service for Physician Assistants (CASPA) application. By submitting a CASPA application, the applicant certifies to Johnson & Wales University that all information in their application and supporting documentation is true, correct and complete. Please note that Johnson & Wales University does not retain all application material submitted by the applicant through CASPA. All CASPA applications and supporting documentation on file for non-enrolled applicants will be destroyed upon matriculation of the current class.

The **Occupational Therapy Doctorate (OTD)** program is available only at the Providence Campus and applicants for this program must apply through the Central Application Service for Occupational Therapy (OT-CAS) application. By submitting an OT-CAS application, the applicant certifies to Johnson & Wales University that all information in their application and supporting documentation is true, correct and complete. Please note that Johnson & Wales University does not retain all application material submitted by the applicant through OT-CAS. All OT-CAS applications and supporting documentation on file for non-enrolled applicants will be destroyed upon matriculation of the current class.

## Admissions Decision

Please select a campus for campus-specific information regarding admissions decisions.

## Admissions Requirements

Please see the appropriate section for information regarding undergraduate and graduate admissions requirements.

### Undergraduate

For students entering as first-year students, a high school transcript is required for admission review.

For students entering as transfer students, high school and/or college transcripts are required for admission review.

#### Test Scores

JWU is test optional but students are encouraged to submit SAT or ACT scores. The SAT or ACT is required for home-schooled students (p. 310). If SAT/ACT scores cannot be obtained, please contact Admissions for a formal, academically focused admission interview with an admissions staff member in person, over the phone or virtually (i.e., Zoom).

#### Minimum Grade Requirements

Conditional Acceptance includes academic support structures such as advising and supplemental instruction. Satisfactory academic progress must be maintained.



In general, JWU seeks a minimum grade average of C+ for admission. A lower grade average and curriculum level require a more intensive review of the total application package.

There are certain majors that may have grade point average, course, academic or other requirements. For further information, please contact the Admissions office.

### Program Requirements

Certain programs of study include technical standards as part of academic requirements essential to the program. Students with disabilities should contact Accessibility Services/ACE Center for information regarding the feasibility of reasonable accommodations and the technical standards. See Technical Standards (p. 320) for descriptions of the applicable technical standards. Copies of the technical standards applicable to various programs are also available from Accessibility Services/ACE Center.

For additional admissions requirements please review the other topics listed in the Applying (p. 300) section of this catalog.

### Postbaccalaureate Pre-Medical & Pre-Health Professions Program

Please see the graduate tab of the Admissions Requirements page for information.

### Graduate

To be considered for admission into any JWU graduate degree program, the following documents must be submitted:

1. A completed graduate application for admission
2. Official or certified transcripts/mark sheets from all institutions attended, including proof of bachelor's degree and master's degree (if applicable) conferral. Transcripts issued to a student are not considered official unless in an unopened university envelope. When a graduate program application is submitted prior to completing requirements for the bachelor's degree, Graduate Admissions will consider the application and, if admissible, will offer an acceptance pending submission of final transcript verifying bachelor degree conferral. **Without such verification, students may not be allowed to register for the current semester or continue enrollment, and will be in jeopardy of losing their academic status with the university.**
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
4. Letters of recommendation. The number of letters required varies according to program (see the program table below for programs requiring more than two letters of recommendation). Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study. Current résumé or CV
5. Additional admissions requirements, if applicable. Please refer to the program table below for specific additional requirements by program.

Note: All programs listed in the table below are available to qualifying students at JWU's Providence Campus. The minimum grade point average (GPA) and additional requirements for each program are also noted in the table.

Students who do not meet the minimum GPA requirements of any graduate College of Business or College of Hospitality Management program (excluding Accelerated Master's) as indicated below may be given consideration for admittance to the program desired if acceptable GMAT/GRE scores are also submitted.

### Conditional Acceptance

Conditional acceptance to certain graduate business programs may be extended to domestic students who are at least 24 years of age, have a 2.41–2.84 cumulative undergraduate grade point average, and demonstrate significant evidence of professional success. Students granted conditional acceptance may take a maximum of three JWU graduate courses (students may not enroll in two 8-week courses at the same time). If an overall GPA of 3.0 is earned in the first conditional semester, the student will be granted full admission to that program. Students who do not earn an overall GPA of 3.0 will be dismissed from the program and will not be accepted to any JWU graduate program.

Please note that the programs marked with an (\*) asterisk below will accept students under conditional acceptance.

Program Selection	Min GPA	Required Degree	Additional Requirements
<b>MBA PROGRAMS</b>			
MBA — One-Year Program	2.85	Business (B.S.) or a business-related program (e.g., Hospitality)	Grade of C or better in undergraduate equivalents of the following graduate foundation courses: FISV5000 and ECON5000 (JWU courses: ACCT1210 and ECON1001 or ECON1002)
General MBA*	2.85	Bachelor's degree in any major	
MBA with Accounting concentration*	2.85	Bachelor's degree in any major; Accounting major preferred	
MBA with Event Leadership concentration*#	2.85	Bachelor's degree in any major	
MBA with Finance concentration*+	2.85	Bachelor's degree in any major	
MBA with Global Fashion Merchandising and Management concentration*	2.85	Bachelor's degree in any major	
MBA with Hospitality concentration*	2.85	Bachelor's degree in any major	
MBA with Human Resource Management concentration*	2.85	Bachelor's degree in any major	
MBA with Information Security/Assurance concentration*+	2.85	Bachelor's degree in any major	
MBA with Information Technology concentration	3.0	Information Technology (B.S.) or a related computer major	OR a B.S. degree and 5 years of information technology experience
MBA with Marketing concentration*	2.85	Bachelor's degree in any major	
MBA with Nonprofit Management concentration*	2.85	Bachelor's degree in any major	
MBA with Operations and Supply Chain Management concentration*#	2.85	Bachelor's degree in any major	
MBA with Organizational Leadership concentration*+	2.85	Bachelor's degree in any major	
MBA with Organizational Psychology concentration*+	2.85	Bachelor's degree in any major	



MBA with Project Management concentration*+	2.85	Bachelor's degree in any major	
MBA with Sport Leadership concentration*#	2.85	Bachelor's degree in any major	

**MASTER OF SCIENCE PROGRAMS**

Addiction Counseling (M.S.)	2.85	Any B.S. or B.A. degree	3 letters of recommendation; M.S. Counseling Statement of Purpose; GRE scores or Miller Analogies Test Scores not required, but may be recommended; interview required. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001, PSYC2002, and MATH2001 or RSCH2050)
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Clinical Mental Health Counseling (M.S.)	2.85	Any B.S. or B.A. degree	3 letters of recommendation; M.S. Counseling Statement of Purpose; GRE scores or Miller Analogies Test Scores not required, but may be recommended; interview required. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001, PSYC2002, and MATH2001 or RSCH2050)
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Cybersecurity (M.S.)+	3.0	Bachelor's degree in any major; IT-related major preferred	
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Data Analytics (M.S.)	3.0	B.S. degree in any major; IT-related major preferred	
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Food, Innovation and Technology (M.S.)	2.85	Bachelor's degree in any major	Completion of LAW2001 or equivalent with a grade of C or better.
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Global Tourism and Sustainable Economic Development (M.S.)*	2.85	Bachelor's degree in any major	
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Human Resource Management (M.S.) *	2.85	Bachelor's degree in any major	
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International Beverage Management (M.S.)*	2.85	Bachelor's degree in any major	
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Physician Assistant Studies (M.S.P.A.S.)	3.0	B.S. or B.A. degree	All applicants must apply through CASPA (Centralized Application Service for Physician Assistants) before the March 1 deadline.
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Sport Leadership (M.S.)*	2.85	Bachelor's degree in any major	
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**EDUCATION PROGRAMS (FALL START ONLY)**

M.A.T. — Master of Arts in Teaching, with Business Education/ Secondary Education concentration	2.75	Bachelor's degree in any major	Evidence of content knowledge in specific teaching field; 2 disposition reference forms; interview required; criminal background check required
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M.A.T. — Master of Arts in Teaching, with Culinary Arts Education concentration	2.75	Bachelor's degree in any major	Evidence of content knowledge in specific teaching field; 2 disposition reference forms; interview required; criminal background check required
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M.A.T. — Master of Arts in Teaching, with Elementary Education/ Elementary Special Education concentration	2.75	Bachelor's degree in any major	Evidence of content knowledge in specific teaching field; 2 disposition reference forms; interview required; criminal background check required
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M.Ed. — Teaching and Learning Master of Education	2.75	Bachelor's degree in any major	2 letters of recommendation; documentation of current employment in a pre-K–16 teaching situation; interview required
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Educational Leadership (Ed.D.)	3.25	Master's degree in an appropriate field from an accredited institution	3 letters of recommendation; current résumé; interview required	Criminal Justice (B.S./Criminal Justice (M.S.))	3.0	Bachelor's degree in Criminal Justice	Senior status (full-time day program student); master's courses at the graduate level are taken online only — the remaining M.S. courses are also online only; acknowledgement checklist from SAS is required.
<b>OCCUPATIONAL THERAPY DOCTORATE (JUNE START ONLY)</b>							
Occupational Therapy Doctorate (OTD)	3.0	B.S. or B.A. degree in any major	All applicants must apply through OT-CAS (Occupational Therapy Centralized Application Service) before May 1	Bachelor's/Cybersecurity (M.S.)	3.0	B.S. or B.A. degree in any major; IT major preferred	Senior status (full-time day program student); grade of C or better in MATH2001 and ITEC2081; acknowledgement checklist from SAS is required.
<b>ACCELERATED MASTER'S PROGRAMS FOR CURRENT JWU UNDERGRADUATE</b>							
Bachelor's/MBA programs (general and with concentrations)	3.0	B.S. or B.A. in any major; business-related program preferred	Senior status (full-time day school student); grade of C or better in undergraduate equivalents of the following graduate foundation courses: FISV5000 and ECON5000; (JWU courses: ACCT1210 and ECON1001 or ECON1002); acknowledgement checklist from SAS is required.	Bachelor's/Data Analytics (M.S.)	3.0	Bachelor's degree in IT preferred	Senior status (full-time day program student); acknowledgement checklist from SAS is required.
Bachelor's/Addiction Counseling (M.S.) or Bachelor's/Clinical Mental Health Counseling (M.S.)	3.0	B.S. or B.A. degree in any major; psychology major preferred	Senior status (full-time day program student); 3 letters of recommendation; M.S. Counseling Statement of Purpose; completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001, PSYC2002, and MATH2001 or RSCH2050); acknowledgement checklist from SAS is required.	Bachelor's/Global Tourism & Sustainable Economic Development (M.S.)	3.0	B.S. or B.A. in any major	Senior status (full-time day program student); acknowledgement checklist from SAS is required.
				Bachelor's/Human Resource Management (M.S.)	3.0	B.S. or B.A. in any major; business-related program preferred	Senior status (full-time day program student); acknowledgement checklist from SAS is required.
				Bachelor's/International Beverage Management (M.S.)	3.0	B.S. or B.A. in any major; business-related program preferred	Senior status (full-time day program student); acknowledgement checklist from SAS is required.
				Bachelor's/M.P.A. programs (general and with concentrations except Criminal Justice)	3.0	B.S. or B.A. in any major	Senior status (full-time day program student); master's courses at the graduate level are taken online only — the remaining M.P.A. courses are also online only; acknowledgement checklist from SAS is required.
				Bachelor's/M.P.A. — Criminal Justice concentration	3.0	B.S. in Criminal Justice or any major in the College of Business	Senior status (full-time day program student); master's courses at the graduate level are taken online only — the remaining M.P.A. courses are also online only; acknowledgement checklist from SAS is required.

Bachelor's/ Organizational Psychology (M.S.)	3.0	B.S. or B.A. in Any major; Psychology major preferred	Senior status (full- time day program student); master's courses at the graduate level are taken online only – the remaining M.S. courses are also online only; acknowledgement checklist from SAS is required; completion of these undergraduate courses with a grade of C or better: General Psychology PSYC1001, Abnormal Psychology PSYC2002, Developmental Psychology PSYC2030, Social Psychology PSYC3001 and Personality PSYC3010. Grade of C or better in undergraduate equivalents of the following graduate foundation courses: HRM5010 and ECON5000 (JWU courses: MGMT2020 and ECON1001 or ECON1002)	3+2 B.S. Psychology/ M.S. Addiction Counseling or 3+2 B.S. Psychology/ M.S. Clinical Mental Health Counseling	3.0	3 letters of recommendation (2 must be from JWU Psychology faculty); M.S. Counseling Statement of Purpose; grade of C or better in General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, and MATH2001 Statistics or RSCH2050 Workshop in Acquiring Social Research Skills), personal interview. Applicants must complete a formal application with the graduate school no later than the start of their junior year.
Bachelor's/Sport Leadership (M.S.)	3.0	B.S. or B.A. in any major	Senior status (full-time day program student); acknowledgement checklist form from SAS is required.			

- \* These programs will accept students under conditional acceptance.
- + These programs will require taking concentration classes online.
- # These programs may require taking some classes online.

Official transcripts should be mailed to:

Graduate Admissions  
Johnson & Wales University  
8 Abbott Park Place  
Providence, RI 02903

Transcripts and test scores must be originals, official, or certified true copies by a university official. Official transcripts must be from an accredited institution and submitted in a sealed envelope with the appropriate university seal or signature. Transcripts issued to students are not considered official.

Letters of recommendation, resume and Statement of Purpose should be uploaded through the applicant portal.

International students, please review International Admissions Requirements (p. 313) for MBA and M.S. programs.

**Non-degree/Extension Graduate Admission**

In some cases students may wish to take a few graduate-level classes without matriculating into a JWU degree program. To be considered for Non-degree Admission, the following documents must be submitted:

1. A completed graduate application for admission with the non-degree/extension program selected in the degree table
2. An official transcript from the college or university showing the applicant's bachelor's degree conferral

Please note the following policies regarding non-degree enrollment at JWU:

Extension students (also called "non-degree" or "non-matriculating") are those who are not enrolled in a degree-earning program. These students register for courses on a space available basis.

If space is available, undergraduate students may register for a maximum of 18 credits and graduate students may register for a maximum of three graduate courses, excluding doctoral courses, without applying for degree

status in an eligible program. Non-degree students attempting to satisfy prerequisite/certification requirements may be permitted to register additional credits/courses. Undergraduate students not meeting prerequisite requirements for a course should contact their assigned academic counselor/advisor to discuss waiving the prerequisite. Graduate students must obtain permission from the dean to enroll in a course that requires a prerequisite that the student has not completed.

Extension students are not eligible to receive federal, state or institutional financial aid and are subject to the Tuition and Fees policy. Students taking an undergraduate-level course will be charged the same rate as an undergraduate online course in the College of Professional Studies. Graduate-level courses will be charged graduate rates.

Students subsequently wishing to enroll in a degree program must apply through Admissions (p. 300) and will be subject to the university's current admissions requirements. If accepted into a degree program, the student will follow the curriculum specified in the catalog at the time they are accepted and are responsible for all courses prescribed in that program, regardless of previously waived prerequisites.

### **Postbaccalaureate Pre-Medical & Pre-Health Professions Program**

The Postbaccalaureate Pre-Medical & Pre-Health Professions Program offers students who already have undergraduate degrees with the opportunity to take prerequisite courses for medical, nursing, dental, veterinary, physician assistant, physical therapy, occupational therapy, and other graduate programs.

This program is designed for students who have already earned a bachelor's degree but require all or some of the prerequisite courses for health-related schools and graduate programs. The duration of the program depends on a student's individual goals. In order to obtain a certificate of program completion, students complete a minimum of 22 credits in health-related courses, with up to four transfer credits accepted from work completed at another institution. Additional credits may be required for application to specific target programs. Students who meet the eligibility requirements (including certificate completion as well as the minimum GPA and all course prerequisites of their target graduate program) receive a holistic transcript evaluation and letter, based on graduate program readiness evaluations completed by faculty members. Additional letters of recommendation may also be provided at the discretion of a student's instructors. All students enrolled in the program are provided the same one-on-one advising, tutoring, academic support, and professional mentoring that comes with a Johnson & Wales University education.

Applicants who intend to take the entire certificate program should apply through PostbacCAS system.

Applicants who intend to take a few classes but not the entire certificate should apply through CE as a non-degree student.

### **Accelerated Graduate Programs for Current JWU Students**

#### **Accelerated Master's Bachelor's/MBA Program**

Through the Accelerated Master's Bachelor's/MBA Program, students can take a few graduate-level courses during their senior year at no additional charge, then continue on to complete their master's degree. Students may choose from any of these MBA programs and concentrations:

- General MBA
- MBA with Accounting concentration
- MBA with Event Leadership concentration
- MBA with Finance concentration
- MBA with Global Fashion Merchandising and Management concentration
- MBA with Hospitality concentration
- MBA with Human Resource Management concentration
- MBA with Information Security/Assurance concentration
- MBA with Information Technology concentration
- MBA with Nonprofit Management concentration
- MBA with Operations and Supply Chain Management concentration
- MBA with Organizational Leadership concentration
- MBA with Organizational Psychology concentration
- MBA with Project Management
- MBA with Sport Leadership concentration

To be considered for admission into these JWU Accelerated Master's Programs, the following must be submitted:

1. A completed and signed Acknowledgement Checklist Form
2. A completed application for graduate admission, selecting the Accelerated Master's program under the Programs Selection section
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
4. Two letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study.
5. Current résumé or CV
6. Completion of undergraduate foundation course equivalents with a grade of C or better: Accounting I and II, and Microeconomics or Macroeconomics
7. A cumulative grade point average of 3.0 or higher

#### **Accelerated Master's Criminal Justice (B.S.)/Criminal Justice (M.S.) Program**

Through the Accelerated Master's Criminal Justice (B.S.)/Criminal Justice (M.S.) program, students can take a few graduate-level courses online during their senior year at no additional charge, then continue on to complete their master's degree in as little as one year. Students who are majoring in Criminal Justice (B.S.) as an undergraduate may pursue the Criminal Justice (M.S.) through the Accelerated Master's option. Courses at the graduate level in Criminal Justice (M.S.) are only offered online.

To be considered for admission into JWU Accelerated Master's Programs, the following must be submitted:

1. A completed and signed Acknowledgement Checklist form
2. A completed application for graduate admission, selecting the Accelerated Master's program under the Programs Selection section
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
4. Two letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study.
5. A cumulative grade point average of 3.0 or higher

#### **Accelerated Master's Bachelor's/Data Analytics (M.S.) Program, Bachelor's/Global Tourism & Sustainable Economic Development (M.S.) Program, Bachelor's/Human Resource Management (M.S.) Program, Bachelor's/International Beverage Management (M.S.) Program, Bachelor's/Sport Leadership (M.S.) Program**

Through the Accelerated Master's Bachelor's/M.S. Program, students can take a few graduate-level courses during their senior year at no additional charge, then continue on to complete their Master of Science (M.S.) degree. These programs are available:

- Data Analytics
- Global Tourism and Sustainable Economic Development
- Human Resource Management
- International Beverage Management
- Sport Leadership

To be considered for admission into the JWU Accelerated Master's Program Bachelor's/M.S., the following must be submitted:

1. A completed and signed Acknowledgement Checklist form
2. A completed application for graduate admission, selecting the Accelerated Masters program under the Programs Selection section
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate level study
4. Two letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate-level of study.
5. Current résumé or CV
6. A cumulative grade point average of 3.0 or higher

#### **Accelerated Master's Bachelor's/Information Security/Assurance (M.S.) Program**

Through the Accelerated Master's Bachelor's/Information Security/Assurance (M.S.) Program, students can take a few graduate-level courses during their

senior year at no additional charge, then continue on to complete their master's degree.

To be considered for admission into this JWU Accelerated Master's Program, the following must be submitted:

1. A completed and signed Acknowledgement Checklist form
2. A completed application for graduate admission, selecting the Accelerated Masters program under the Programs Selection section
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate level study
4. Two letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate-level of study.
5. Current résumé or CV
6. Completion of ITEC2081 Network Protocols I with a grade of C or better.
7. A cumulative grade point average of 3.0 or higher

#### **Accelerated Master's Bachelor's/Addiction Counseling (M.S.) Program or Bachelor's/Clinical Mental Health Counseling (M.S.) Program**

Through the B.S./Addiction Counseling (M.S.) program or the B.S./Clinical Mental Health Counseling (M.S.) program, students can take up to three graduate-level courses during their senior year at no additional charge, then continue on to complete the Addiction Counseling (M.S.) degree or Clinical Mental Health Counseling (M.S.) degree in about 18 months. These programs are offered at the Providence Campus.

To be considered for admission to the B.S./Addiction Counseling (M.S.) program or the B.S./Clinical Mental Health Counseling (M.S.) program, the following must be submitted:

1. A completed and signed Acknowledgement Checklist form
2. A completed application for graduate admission, selecting either the B.S./Addiction Counseling (M.S.) or B.S./Clinical Mental Health Counseling (M.S.) program under the Programs Selection section
3. M.S. Counseling Statement of Purpose: an essay explaining your motivation, aptitude and goals related to counseling
4. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study.
5. Current résumé or CV
6. Completion of these undergraduate courses with a grade of C or better: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, and MATH2001 Statistics I or RSCH2050 Workshop in Acquiring Social Research Skills
7. A cumulative grade point average of 3.0 or higher
8. Personal interview

#### **Accelerated Master's Bachelor's/Organizational Psychology (M.S.) Program**

Through the Accelerated Master's Bachelor's/Organizational Psychology (M.S.) program, students can take a few graduate-level courses online during their senior year at no additional charge, then continue on to complete their master's degree in as little as one year. Students must complete these courses with a grade of C or better before being accepted in to the M.S. program: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, PSYC2030 Developmental Psychology, and PSYC3001 Social Psychology and PSYC3010 Personality. Also, a grade of C or better in undergraduate equivalents of the following graduate foundation courses: HRM5010 Human Resource Management and ECON5000 A Survey of Economic Principles (JWU courses: MGMT2020 Organizational Dynamics and ECON1001 Macroeconomics or ECON1002 Microeconomics). Courses at the graduate level in Organizational Psychology (M.S.) are only offered online.

To be considered for admission into this JWU Accelerated Master's Program, the following must be submitted:

1. A completed and signed Acknowledgement Checklist form
2. A completed application for graduate admission, selecting the Organizational Psychology program under the Programs Selection section.
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study

4. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study.
5. Current résumé or CV
6. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Developmental Psychology and Social Psychology and Personality. Also a grade of C or better in undergraduate equivalents of the following graduate foundation courses: HRM5010 Human Resource Management and ECON5000 A Survey of Economic Principles (JWU courses: MGMT2020 Organizational Dynamics and ECON1001 Macroeconomics or ECON1002 Microeconomics).
7. A cumulative grade point average of 3.0 or higher

#### **Accelerated Master's Bachelor's/M.P.A. Program**

Through the Accelerated Master's Bachelor's/M.P.A. Program, students can take a few graduate-level courses online during their senior year at no additional charge, then continue on to complete their master's degree. Courses at the graduate level in the M.P.A. are only offered online.

Students may choose from any of these M.P.A. programs and concentrations:

- M.P.A. — General
- M.P.A. with Nonprofit Management concentration
- M.P.A. with Homeland Security concentration

To be considered for admission into this JWU Accelerated Master's Program, the following must be submitted:

1. A completed and signed Acknowledgement Checklist Form
2. A completed application for graduate admission, selecting the Accelerated Master's program under the Programs Selection section
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
4. Two letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study.
5. Current résumé or CV
6. A cumulative grade point average of 3.0 or higher

#### **Accelerated Master's Bachelor's/M.P.A. – Criminal Justice Program**

Through the Accelerated Master's bachelor's/M.P.A. — Criminal Justice program, undergraduate students majoring in Criminal Justice or any major in the College of Business can take a few graduate-level courses online during their senior year at no additional charge, then continue on to complete their master's degree in as little as one year. Courses at the graduate level in M.P.A. — Criminal Justice are only offered online.

To be considered for admission into this JWU Accelerated Master's Program, the following must be submitted:

1. A completed and signed Acknowledgement Checklist form
2. A completed application for graduate admission, selecting the Accelerated Master's program under the Programs Selection section
3. Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate-level study
4. Two letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study.
5. A cumulative grade point average of 3.0 or higher

#### **3+3 B.S./J.D. Law Program**

The 3+3 B.S./J.D. Law Program allows JWU Criminal Justice, Liberal Studies and Political Science students who meet specified admissions criteria to earn a bachelor's degree from Johnson & Wales University and a juris doctor degree from Roger Williams University in six years. Qualified, accepted students may enroll in graduate-level law classes at Roger Williams University (Rhode Island) during their senior year at JWU, while fulfilling bachelor's degree requirements simultaneously. Students may complete remaining graduate degree requirements in two additional years.

Any interested student must contact the John Hazen White College of Arts & Sciences dean's office to declare intent to pursue the 3+3 Law Program. Pre-law advising is required and a formal application to Roger Williams



University's Law School must be submitted before December 1 of the student's junior year at JWU.

For more information about program requirements, please contact the John Hazen White College of Arts & Sciences dean's office at the Providence Campus.

### **3+2 B.S. Psychology/M.S. Addiction Counseling Program or 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling Program**

The John Hazen White College of Arts & Sciences offers students an opportunity to earn both their undergraduate and graduate degrees through its 3+2 B.S. Psychology/M.S. Addiction Counseling program or 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling program. These programs enable qualified students to earn, in a continuous plan of study, both a B.S. in Psychology and an M.S. in Addiction Counseling or M.S. in Clinical Mental Health Counseling in five years.

Qualified students are able to complete 10 Core Counseling graduate courses that will also count towards their undergraduate Psychology degree.

#### **Program Requirements**

Eligible students who would like to pursue a 3+2 B.S. Psychology/M.S. Addiction Counseling or 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling degree will need to apply directly to the program. Students must satisfy separate admission requirements for both undergraduate and graduate programs. Admission to the undergraduate program does not guarantee admission to the graduate program.

The M.S. degree in Addiction Counseling and the Clinical Mental Health Counseling both run on cohort models. Students who are accepted into either program will enter the summer after their junior year.

Qualified students who have already been accepted to the 3+2 B.S. Psychology/M.S. Addiction Counseling program or 3+2 Psychology/M.S. Clinical Mental Health Counseling program will also need to complete a formal application with Graduate Admissions. When submitting the formal application to Graduate Admissions, the following must be submitted or completed:

1. A completed application for graduate admission, selecting either the M.S. Addiction Counseling program or the M.S. Clinical Mental Health Counseling program under the Programs Selection section
2. M.S. Counseling Statement of Purpose: an essay explaining your motivation, aptitude and goals related to counseling
3. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study. **Two of these letters must be from a JWU faculty member in the Psychology department.**
4. Current résumé or CV
5. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001 Introductory Psychology , PSYC2002 Abnormal Psychology , and MATH2001 Statistics I or RSCH2050 Workshop in Acquiring Social Research Skills)
6. Cumulative grade point average of 3.0 or higher
7. Personal interview

Both programs are offered at the Providence Campus. For more information, contact the dean of the John Hazen White College of Arts & Sciences.

#### **Education Programs**

**M.A.T.** – This program is a “career changer” degree designed for students who have a bachelor's degree in another field who want to become certified to teach.

**M.Ed.** – This program is a degree designed for currently practicing teachers who wish to improve their teaching skills and/or advance their career in education.

**Ed.D. Program** — To be considered for acceptance into the program, applicants must possess a master's degree along with the minimum GPA and additional requirements stated in the table above; recommendation letters are also required.

#### **Program Requirements**

To satisfy program requirements and receive the Ed.D. degree, each student must successfully

1. Complete 60 credit hours (48 hours of coursework and 12 hours of dissertation work, which forms the basis for the dissertation).
2. Maintain a cumulative grade point average of at least 3.25.
3. Maintain continuous enrollment, even during dissertation work.
4. Successfully complete the comprehensive assessment.
5. Submit a dissertation proposal within 18 months of completion of coursework.
6. Complete all program requirements within six academic years from the initial date of matriculation.

Note: For a valid reason, the Educational Leadership program director may extend deadlines.

In addition, students must have a computer that connects through a high-speed internet connection. A hybrid method of teaching utilizes asynchronous instruction. All communication to students from the university will be conducted through the university email system, and students are required to use and check this account on a regular basis.

A student becomes an official candidate for the degree upon successfully completing all courses, passing the Comprehensive Assessment, and receiving formal approval of the dissertation proposal.

#### **Pre-Master's Program**

The Pre-Master's Program at Johnson & Wales University is designed for outstanding **international students** who have completed a three-year bachelor's degree in countries where the three-year bachelor's degree is considered the dominant degree in specific areas of study, and such degree does not equate to a four-year U.S. degree.

The program provides qualified three-year degree holders the opportunity, through a Pre-Master's schedule of undergraduate courses, to equate their education to a four-year U.S. bachelor's degree while fulfilling master's program prerequisites.

Students who successfully complete the Pre-Master's program with a GPA of 3.0 on a scale of 4.0 will enroll directly into their selected MBA or M.S. program.

#### **Eligibility**

The Pre-Master's Program is offered only at the Providence Campus.

Applicants to the Pre-Master's Program must hold a three-year bachelor's degree from a recognized institution.

Candidates must successfully complete the English as a Second Language program prior to matriculation into the Pre-Master's Program if they do not submit a passing score on the language proficiency test as stated under the English Proficiency Requirements (p. 314).

#### **Application Procedure**

Please refer to the International Graduate Admissions Requirements (p. 313). Please note: Students accepted to the Pre-Master's Program cannot transfer to the MBA or M.S. program without first completing all Pre-Master's Program requirements.

#### **Scholarship**

Students who successfully complete the Pre-Master's Program with the required minimum 3.0 GPA needed to enter the MBA or M.S. program will receive a one-time, nonrenewable \$2,000 scholarship awarded over the length of the MBA or M.S. program.

#### **Course Requirements**

This program requires that a minimum of 10 undergraduate courses be taken by the student at Johnson & Wales University. The courses generally take place on the Downcity Campus, through the John Hazen White College of Arts & Sciences and College of Business.

Course substitutions of higher-level subjects and electives in a comparable discipline may be approved based on previous study, but no exemptions will be made which result in a reduced number of required courses. Course registration for Pre-Master's students will be done through Student Academic Services.

#### **Physician Assistant Studies (M.S.P.A.S.)**

##### **Accreditation Statement**

1. At its September 2019 meeting, the Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA) extended

Accreditation-Probation status for the Johnson & Wales University Physician Assistant Program sponsored by Johnson & Wales University until its next review in September 2021. The Program's Accreditation history may be accessed here.

2. Probation accreditation is a temporary status of accreditation, up to two years, granted when a program holding an accreditation status of Accreditation-Provisional or Accreditation-Continued does not meet the Standards or when the capability of the program to provide an acceptable educational experience for its students is threatened.
3. Once placed on probation, a program that fails to comply with accreditation requirements in a timely manner, as specified by the ARC-PA, may be scheduled for a focused site visit and/or risk having their accreditation withdrawn.
4. Specific questions regarding the program and its plans should be directed to the program director (thomas.meehan@jwu.edu) and/or the appropriate institutional official(s).

### Prerequisite Courses

Completion of the minimum prerequisite courses does not necessarily guarantee an interview or admission. Courses in advanced physiology, pathophysiology, microbiology, immunology, genetics, statistics, organic chemistry and biochemistry are highly recommended.

Prerequisites may be in progress or planned at the time of application. A minimum 35 of the required 39 credits, including associated labs, must be completed by the end of December in order to be considered for the June start. All outstanding prerequisite courses must be completed by the end of May. Students accepted before all prerequisite coursework has been completed will be accepted on a provisional basis. Bachelor's degree must be completed prior to June matriculation. Any in-progress or planned coursework will be requested as part of the application process. Acceptance will be conditional upon successful completion of prerequisites.

Review of an application may be delayed if the number of completed prerequisites is determined to be too few upon which to make a determination.

### All prerequisite courses must be completed with a grade of C or better.

- Biology, human or mammalian preferred, with labs (8 credits)
- Chemistry, organic and biochemistry preferred, with labs (8 credits)
- Anatomy and Physiology, human preferred, with labs (8 credits)
  - Anatomy and Physiology prerequisite must have been completed within 7 years prior to matriculation.
  - Prerequisite must include all body systems and be a full-year (2-semester sequence) or the equivalent, consisting of either 4 credits of anatomy with lab and 4 credits of physiology with lab OR 8 credits of Anatomy and Physiology I and II (both with lab).
- Courses devoted entirely to the study of the human species are preferred. Courses devoted to animal physiology, exercise physiology and/or comparative anatomy are not preferred.
- Math, college algebra or equivalent (3 credits)

### Physician Assistant Articulation Agreements

As the first accredited Physician Assistant program in the State of Rhode Island, Johnson & Wales University is dedicated to recruiting students from local colleges and universities through articulation agreements.

Recognizing the shortage of primary care providers in Rhode Island, these articulation agreements will create a bridge for students and assist us in educating area students who, upon graduation, will help Rhode Island meet the market demand for qualified healthcare providers.

Visit Articulation Agreements to view the full list for this program.

### Academic and Experiential Requirements

#### Academic Requirements

- A bachelor's degree from a regionally accredited United States institution(s) at time of application or prior to matriculation
- All prerequisite courses must have been completed at a regionally accredited United States institution
- The following academic criteria must be met: minimum overall cumulative GPA of 3.0, and a minimum GPA of 3.0 in all completed biology, chemistry and physics courses.
- Transfer credits are not awarded to students.

- There is no advanced placement.
- No credit will be awarded to students for work experience.
- Technical standards are required attributes necessary for entrance into, continuation within and graduation from the Physician Assistant Studies program at Johnson & Wales University. In addition, students may also be required to meet the technical standards of the facility or facilities providing clinical education in connection with the program. Accepted students must sign a technical standards form and program agreement after acceptance and prior to matriculation into the program.

### Experiential Requirements

- A minimum of 250 hours of direct patient care in the United States and an allopathic or osteopathic medical setting. Learn more about the preferred types of direct experience.
- To help students gain a clear understanding of the PA's role on the medical team, we ask that students observe (or "shadow") a PA in the field. Shadowing of PAs in more than one practice type is preferred. Students will be asked to record their experiences as part of the application process through CASPA; please note that they do not count toward direct patient care hours.
- Computer experience is essential, as a significant portion of curricular material, assignments, evaluations and other materials will be exchanged using e-technology.

### Occupational Therapy Doctorate (OTD)

#### Accreditation Statement

The Johnson & Wales University Entry-Level Occupational Therapy Doctorate Program has applied for accreditation and has been granted Candidacy Status by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE's telephone number c/o AOTA is 301-652-AOTA.

The program must have a preaccreditation review, complete an on-site evaluation, and be granted Accreditation Status before its graduates will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

JWU's Occupational Therapy Doctorate Program will make available the number of graduates and graduation rates for the program after the inaugural class graduates in May 2022. Program results from the National Board for Certification in Occupational Therapy (NBCOT) exam will also be available online here.

Specific questions regarding the program and its plans should be directed to the program director and/or the appropriate institutional official(s).

#### Prerequisite Courses

Prerequisites may be in progress or planned at the time of application. All outstanding prerequisite courses must be completed by the end of May. Students accepted before all prerequisite coursework has been completed will be accepted on a provisional basis. Bachelor's degree must be completed prior to June matriculation. Any in-progress or planned coursework will be requested as part of the application process. Acceptance will be conditional upon successful completion of prerequisites.

Review of an application may be delayed if the number of completed prerequisites is determined to be too few upon which to make a determination.

Applicants must complete required prerequisite classes listed below with a grade of "C" or better. Applicants who plan to complete these classes prior to O.T.D. enrollment will still be considered. JWU's Occupational Therapy Doctorate Program does accept Advanced Placement (AP) credits to fulfill prerequisite courses but does not accept transfer credits or experiential learning credits.

- **Anatomy and Physiology:** A complete year course sequence in anatomy and physiology with labs. Students may take a combined anatomy/physiology with labs sequence, but they must take both semesters to fulfill the requirement. (8 credit hours)

- **Developmental Psychology:** A one semester psychology course in child and adolescent development, adult development and aging, or lifespan development. (3 credit hours)
- **Abnormal Psychology:** A one semester course in abnormal psychology. (3 credit hours)
- **Statistics:** A one-semester course in general statistics, business statistics, psychology statistics or biological science statistics are accepted. (3 credit hours)

There is no minimum requirement for shadowing or experience in the field. A course in medical terminology is preferred but not required.

#### Academic Requirements

- All applicants must be graduates of (or in the process of graduating) from an accredited U.S. institution. A bachelor's degree is required before matriculation.
- A cumulative GPA of 3.0 is required.
- A personal statement is required.
- Three letters of recommendation are required.
- Students should anticipate a complete background check and be prepared to submit health records prior to matriculation.
- At this time, we are not accepting international students.
- Interviews will be scheduled for candidates who possess the requirements of the program and have demonstrated the capacity to excel academically while possessing strong humanistic qualities.
- Accepted students must sign a technical standards form and program agreement after acceptance and prior to matriculation into the program.

## Advanced Placement Credit

Students entering Johnson & Wales University with Advanced Placement test scores of 3 or greater will be granted transfer credit for the equivalent JWU course or courses, based on the score levels attained and applicability to their program of study. In order to obtain credit, students must submit official AP Grade Reports from the College Board Advanced Placement Program. To view the currently approved AP course equivalencies and the respective required scores, go to the Transfer Evaluation System (TES) and type "College Board" in the search box. Exam titles are listed alphabetically preceded by the designation "AP." For more information about AP credit, contact University Transfer and Testing through Student Academic Services.

JWU's Physician Assistant program does not accept CLEP, DSST or Advanced Placement (AP) credits to fulfill prerequisite courses. Admissions will consider AP credits for one of the English course prerequisites on a case-by-case basis.

Policies regarding the treatment of AP, CLEP or DSST transfer credit vary among graduate, professional and medical schools.

## B.S. Biology or B.S. Health Science/M.S.P.A.S. Articulation Agreement

JWU undergraduate students majoring in biology or health science may take advantage of an internal articulation agreement for admission to the JWU Physician Assistant Studies program. Students must successfully complete all requirements necessary to obtain a B.S. Biology/Health Science degree and meet all PA admissions requirements. Students must complete the PA application process and must meet all health and immunization, background check and technical standards requirements. More information and details of the agreement may be found in the Johnson & Wales University Articulation Agreement.

This program is offered at the Providence Campus. Please see the Admissions Requirements section of the Providence Campus catalog for more information.

## Deferred Enrollment

Please see the appropriate section for information regarding deferred enrollment.

### Undergraduate

Johnson & Wales University offers a two-year deferred enrollment for U.S. citizens and permanent residents and one-year deferred enrollment for foreign national students who have applied and been accepted to the university but, for various reasons, wish to postpone their undergraduate enrollment. JWU will honor the admissions decision during the deferment

period; after that time frame, the applicant will need to submit a new application and transcript(s) for review.

Merit scholarships and reservation deposits submitted will remain effective during the deferment period. Federal student aid is offered annually; a student must reapply for federal funds through the Free Application for Federal Student Aid (FAFSA).

### Graduate

Johnson & Wales University offers a two-year deferred enrollment to all students who have applied and been accepted to any graduate program (excluding Physician Assistant and Occupational Therapy Doctorate) at the university but, for various reasons, wish to postpone their graduate enrollment.

JWU will honor the admissions decision during the deferment period; after that time frame, the applicant will need to submit a new application and transcript(s) for review. However, if the student has earned college credit at another institution since being accepted at JWU, they must submit updated transcripts showing that coursework. Reservation fees submitted will remain effective during the deferment period.

Students wishing to change their selected date of enrollment should forward a request to Graduate Admissions stating the semester in which they wish to enroll. International applicants must submit an updated bank statement and financial declaration demonstrating financial support. Please note that some programs start only once each year. Federal student aid is awarded annually; a student must reapply for federal funds through the [Free Application for Federal Student Aid \(FAFSA\)](#).

For Physician Assistant and Occupational Therapy Doctorate students on the Providence Campus, an acceptance is only applicable for the semester originally accepted. To apply for another semester, applicants must reapply through the Central Application Service for Physician Assistants (CASPA) or the Occupational Therapy Central Application Service (OT-CAS) application. All CASPA and OT-CAS applications and supporting documentation on non-matriculated students will be destroyed upon matriculation of the current class.

## Early Enrollment

Starting the beginning of a student's senior year in high school, qualified applicants will attend classes at JWU earning credits for high school and college courses through the Early Enrollment Program (EEP). Students should apply for admission to the Early Enrollment Program during their junior year of high school.\* *Students must complete their junior year of study before enrolling in the EEP program.*

To be considered for EEP, students need to have

- a minimum 2.75 GPA (B-) and a B- in English
- a minimal number of high school classes left to complete to meet graduation requirements

For example, students might have one English class and one or two other classes to take in order to graduate.

Requirements and equivalent JWU courses will be determined by the student's high school counselor and JWU.

\* International students on an F-1 visa are not eligible for the Early Enrollment Program.

## High School/College Verification

Graduation from high school or equivalent education as certified by state departments of education is required for undergraduate admission. Graduation verification documents must be submitted to Admissions. Official verification documents include at least one of the following:

- Correspondence from a high school/college administrator. Approved correspondence includes letter, email or final transcript received directly from the institution (copy/fax/email/pdf/sealed envelope)
- Final high school/college diploma received directly from the institution that shows the date the diploma was awarded (copy/fax/email/pdf/sealed envelope)
- High school equivalency certificate received directly from the testing site (copy/fax/email/pdf/sealed envelope)
- Secondary school leaving certificate (for students who completed secondary education in a foreign country)



Additional methods of verification of high school completion exist for home-schooled students (p. 310). It is the student's responsibility to provide verification of high school completion.

Students do not need to provide high school verification if at least one of the following situations pertains to them:

- Successful completion of an associate degree program
- Successful completion of at least 60 semester or trimester credit hours or 72 quarter credit hours that did not result in the awarding of an associate degree, but that is acceptable for full credit toward a bachelor's degree at any institution
- Enrollment in a bachelor's degree program where at least 60 semester or trimester credit hours or 72 quarter credit hours have been successfully completed, including credit hours transferred into the bachelor's degree program. The student must provide an official college transcript for verification of completed college earned hours.

Without such verification, the student may not be allowed to register for the current semester or continue enrollment and will be in jeopardy of revocation of admission to the university as well as losing all financial aid.

International students should refer to the International (p. 313) section for admissions information.

## Home-Schooled Students

Home-schooled students are required to provide their high school transcripts and copies of their SAT or ACT test scores. Both the grades on the transcript and the SAT/ACT test scores will be reviewed to determine admissions and scholarship eligibility. The following scores are required for admittance: SAT Evidence-Based Reading and Writing score of 480 or ACT English & Reading (combined) score of 34 and SAT Math score of 530 or ACT Math score of 21.\*

Home-schooled students must be able to document that they have completed high school. Verification documents for home-schooled students include at least one of the following:

- a high school diploma/transcript recognized by their state department of education
- high school equivalency exam

or, with respect to home-schooled students who are above the compulsory age of school attendance,

- a secondary school completion credential for home school (other than a high school diploma or high school equivalency exam) provided for under state law; or
- if state law does not require a home-schooled student to obtain the credential described in the preceding bullet, a certification letter that the student has completed a secondary school education in a home-school setting that qualifies as an exemption from compulsory attendance requirements under state law.

It is the student's responsibility to provide verification of high school completion. Without such verification, the student may not be allowed to register for the current term or continue enrollment and will be in jeopardy of revocation of admission to the university as well as losing all financial aid.

*\*If SAT/ACT scores are unable to be obtained, please contact admissions for a formal academically focused admission interview with an admissions staff member in-person, over the phone, or virtually (i.e., Zoom).*

## JWU Alumni

Applicants applying for admission to any bachelor's degree programs who have attended Johnson & Wales University as an undergraduate student in the past, regardless of whether a degree was earned, must complete a readmission application and submit it with transcripts from any institutions attended since leaving JWU. For details regarding the university's readmittance policy, see the Student Handbook.

## Occupational Therapy Doctorate Articulation Agreement

### Biology, Psychology or Health Science Majors

JWU undergraduate students majoring in biology, psychology or health science may take advantage of an internal articulation agreement for admission to the JWU Occupational Therapy Doctorate (OTD)

program. Students must successfully complete all requirements necessary to obtain a JWU biology, psychology or health science bachelor's degree and meet all OTD admissions requirements. Students must complete the OTD application process and must meet all health and immunization, background check and technical standards requirements. This agreement allows the OTD program to offer a guaranteed interview and to accept qualified JWU biology, psychology or health science candidates for admission to its graduate program leading to the Occupational Therapy Doctorate. More information and details of the agreement may be found in the Johnson & Wales University Articulation Agreement.

This articulation is available to students at the Providence Campus. Please see the Admissions Requirements (p. 301) section of the catalog for more information.

## Transfer Credit

Generally, both graduate and undergraduate coursework completed at institutions recognized by a U.S. Department of Education accrediting agency and credit recommended by ACE (American Council on Education) or international Ministry of Education is eligible for transfer credit. JWU does not accept transfer credit from any other institution or other forms of credit. Transfer credit is not guaranteed. Currently, JWU transfer credit evaluations are based on previous college work as it relates to the student's intended program of study. It is the university's policy to accept credits, but not grades. Only grades earned at Johnson & Wales University are calculated into the cumulative grade point average. Students must meet the university's residency requirements (p. 298).

Please see the appropriate section for detailed transfer credit policies.

## Undergraduate

Applicants with transfer credit should submit official college transcripts from any colleges and universities previously attended prior to enrolling at the university. It is the responsibility of those candidates who are currently attending other colleges to have their updated official transcripts sent to Johnson & Wales University as soon as final grades become available and no later than the first semester of enrollment. In some cases, an official course outline or syllabus will be required for evaluation. Students who have completed military service must submit a Joint Services Transcript (JST) for evaluation. Credit for military service is awarded based on recommendations provided by the American Council on Education (ACE) in the Guide to the Evaluation of Educational Experiences in the Armed Services.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions or syllabus (subject details, module descriptors or content outline) are generally required for transfer credit evaluation.

In order to be eligible for transfer credit, courses must be similar in level, content and duration to JWU courses in the student's intended program of study. Additionally, only courses with earned grades of C or higher (2.00 GPA) or equivalent will be accepted. Courses that carry grades of "Pass" (P) are also acceptable for transfer, provided credit was awarded and the grade of P carries a numeric GPA value of 2.00 or greater. As an exception, any course(s) that has earned a grade of Pass (P) or Satisfactory (S), as a result of COVID-19, will be considered for transfer credit regardless of the number of associated quality points or its numeric value. Note that due to programmatic accreditation standards, SCI1050 Nutrition, DIET2070 Lifespan Nutrition, DIET3030 Nutrition Assessment, DIET3080 Community Nutrition, DIET4030 Medical Nutrition Therapy, DIET4630 Advanced Medical Nutrition Therapy, BIO1011 General Biology - Cellular / BIO1016 General Biology Laboratory - Cellular, CHM1000 Foundations in Chemistry / CHM1006 Foundations in Chemistry Laboratory, BIO2041 Human Physiology / BIO2046 Human Physiology Laboratory, BIO2201 General Microbiology / BIO2206 General Microbiology Laboratory, CHM2050 Introduction to Organic Chemistry, and CHM3040 Biochemistry are excluded from this exception for students entering the Dietetics & Applied Nutrition B.S. program. Students who opted for a grade of Pass (P) or Satisfactory (S) in any of these courses will have to repeat the course and earn a standard letter grade. Credits earned in developmental and remedial, English as a Second Language courses, Portfolio Development, Challenge Examinations, or CEUs (continuing education units) are nontransferable.

Upon completion of the transfer credit evaluation, accepted students will receive a copy of their degree audit showing the credit accepted toward their program of study. Students with domestic transfer credit wishing to review

such credits must contact a transfer adviser in Student Academic Services. Those with transcripts from foreign institutions must contact International Admissions.

JWU has a number of articulation agreements and transfer credit equivalencies in place that facilitate student transfers to Johnson & Wales University. The Transfer Evaluation System provides students with information on courses (domestic institutions only) that have previously been evaluated and accepted by Johnson & Wales University.

The university reserves the right to substitute courses at the discretion of the department chairs, directors or deans.

The transfer of credit is not guaranteed.

## Graduate

Graduate program applicants with prior graduate-level coursework taken at approved colleges and universities may be eligible for transfer credit. A maximum of 20% of the program's credits can be awarded as transfer credit for courses completed with a grade of B or better (3.00 GPA) or equivalent. In some cases, an official course outline or syllabus will be required in order to determine if the course(s) is similar in level, content and duration to courses in the student's intended program of study at JWU. Graduate transfer credit will be approved by the dean of the respective college.

Applicants with transfer credit should submit official college transcripts from any colleges and universities previously attended prior to enrolling at the university. It is the responsibility of those candidates who are currently attending other colleges to have their updated official transcripts sent to Johnson & Wales University as soon as final grades become available and no later than the first semester of enrollment.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions/syllabi (subject details, module descriptors or content outline) are generally required for transfer credit evaluation.

Upon submission of all of the required documents and completion of the transfer credit evaluation, accepted students will be notified that the evaluation is complete and the degree audit is available for review.

Once enrolled in a JWU master's degree program, a student may not take courses elsewhere and apply them for transfer credit. Transfer credits should be requested prior to initial matriculation into a JWU master's degree program.

The university reserves the right to substitute courses at the discretion of the department chairs, directors or deans.

## Prerequisite and Foundation Courses

Prerequisite courses are required undergraduate classes for students who need such courses to prepare for graduate study.

Foundation courses are graduate-level courses that may be required of some students whose previous academic background does not reflect the course content described. Foundation courses with grades below a C or equivalent will need to be repeated.

For possible exemption from prerequisite and/or foundation courses, candidates must ensure that all official college and university transcripts are submitted prior to enrollment at JWU. In some cases, the official course outline or syllabus will be required in order to complete the evaluation. Only courses similar in level, content and duration to JWU's prerequisite courses, and for which the student has earned a grade of C or higher (2.00 GPA) or equivalent, may be used to exempt the student from the respective prerequisite. Specific graduate degree program prerequisite and foundation requirements are listed in the catalog under each program of study.

Upon transcript review, domestic students may view their degree audit online in [jwuLink](#) > Tools > Academics > Grad Planning System (GPS), and will be sent a copy of their degree audit reflecting any prerequisites and/or foundation courses met as well as the remaining requirements of their program of study. International students who enroll in a JWU program can also access their degree audit online in [jwuLink](#).

Students with domestic transcripts wishing to review transfer credit, prerequisite or foundation course credits must contact a transfer advisor. International students should contact a graduate student academic counselor upon enrollment into the graduate school major. Those with transcripts from foreign institutions may be referred to an international credentials evaluator.

## Transfer and Career Prerequisites

Students who intend to transfer to other colleges or enroll in graduate school after attending Johnson & Wales University must determine the requirements of those institutions and plan their programs of study accordingly. Johnson & Wales University makes no claim or guarantee for transfer credit to other academic institutions. Similarly, students who intend to take state, foreign business, trade or professional licensing examinations should determine the prerequisites of those jurisdictions prior to selecting their programs of study.

Students who are interested in transferring to JWU should review Transfer Credit (p. 310) for information.

## Vaccination Policy

Prior to the first semester of enrollment, the university requires all new, full-time undergraduate and graduate students, part-time undergraduate students in a health science program, and all culinary students to submit proof of a complete physical exam conducted within the past year, including documented proof of the following:

### Vaccination Requirements

- Two (2) doses of MMR (measles, mumps and rubella) vaccine (or titers if applicable)
- Two (2) or three (3) dose series of hepatitis B vaccine (or titers if applicable)
- Two (2) doses chicken pox vaccine (or titers if applicable) or proof of physician-diagnosed disease
- One (1) Tdap dose within the past 10 years (except Charlotte campus, see below)
- One (1) dose of meningitis vaccine. If you received your first meningitis vaccine prior to age 16, a booster is required. A waiver of the meningitis vaccine requirement is available for students 22 years of age and older (please contact Health Services for further information).
- A negative tuberculosis test or chest x-ray within the last year is required for entering students who are from highly endemic countries and have been residents of the United States for less than five years. A list of countries where tuberculosis is highly endemic is available upon request from Health Services.

### Charlotte Campus Only

- Any student who is under the age of 18 upon enrollment must also submit proof of the polio vaccine series.
- Three (3) doses of tetanus-diphtheria vaccine (including at least one Tdap dose within the past 10 years)

### Recommended, But Not Required

- Students should check with their primary care provider as to whether the meningitis type B vaccine is appropriate for them.
- Hepatitis A vaccine

Failure to satisfy this requirement will result in the placement of a Health Services Hold on the students' account and will prohibit students from entering class or changing their schedule. Visit [Health Requirements for additional information and required forms](#).

## Accelerated Programs

Johnson & Wales University offers the following accelerated programs:

- 3+2 B.S. Psychology/M.S. Counseling — Addiction or Clinical Mental Health (p. 312)
- 3+3 B.S. Biology/Pharm.D. (Doctor of Pharmacy) Program (p. 312)
- B.S. Biology or B.S. Health Science/M.S.P.A.S. Articulation Agreement (p. 309)
- Occupational Therapy Doctorate Articulation Agreement (p. 310)
- 3+3 B.S./J.D. Law Program (p. 312)
- Accelerated Master's Programs (p. 313)
- SHARP (p. 313)

For more information, contact Admissions at the campus of your choice.



## 3+2 B.S. Psychology/M.S. Counseling - Addiction or Clinical Mental Health

### 3+2 B.S. Psychology/ M.S. Addiction Counseling

The John Hazen White College of Arts & Sciences offers students an opportunity to earn both their undergraduate and graduate degrees through its 3+2 B.S. Psychology/M.S. Addiction Counseling program. This program enables qualified students to earn, in a continuous plan of study, both a B.S. in Psychology and an M.S. in Addiction Counseling in five years.

Qualified students are able to complete 10 Core Counseling graduate courses that will also count towards their undergraduate Psychology degree.

#### Program Requirements

Eligible students who would like to pursue a 3+2 B.S. Psychology/M.S. Addiction Counseling degree will need to apply directly to the undergraduate 3+2 program. Students must satisfy separate admission requirements for both undergraduate and graduate programs. Admission to the undergraduate program does not guarantee admission to the graduate program.

The M.S. degree in Addiction Counseling is delivered on a cohort model. Students who are accepted to the program will enter after their junior year.

Qualified students who have already been accepted to the 3+2 B.S. Psychology/M.S. Addiction Counseling program will also need to complete a formal application with Graduate Admissions **by no later than the start of their junior year**. When submitting the formal application to Graduate Admissions, the following must be submitted or completed:

1. A completed application for graduate admission, selecting the M.S. Addiction Counseling program under the Programs Selection section.
2. MS Counseling Statement of Purpose: an essay explaining your motivation, aptitude and goals related to counseling.
3. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study. **Two of these letters must be from a JWU Psychology faculty member in the Social Sciences department.**
4. Current résumé or CV
5. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, and MATH2001 Statistics I or RSCH2050 Workshop in Acquiring Social Research Skills)
6. Cumulative grade point average of 3.0 or higher
7. Personal interview

This program is offered at the Providence Campus. For more information, contact the dean of the John Hazen White College of Arts & Sciences at the Providence Campus.

### 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling

The John Hazen White College of Arts & Sciences offers students an opportunity to earn both their undergraduate and graduate degrees through its 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling program. This program enables qualified students to earn, in a continuous plan of study, both a B.S. in Psychology and an M.S. in Clinical Mental Health Counseling in five years.

Qualified students are able to complete 10 Core Counseling graduate courses that will also count towards their undergraduate Psychology degree.

#### Program Requirements

Eligible students who would like to pursue a 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling degree will need to apply directly to the undergraduate 3+2 program. Students must satisfy separate admission requirements for both undergraduate and graduate programs. Admission to the undergraduate program does not guarantee admission to the graduate program.

The M.S. degree in Clinical Mental Health Counseling is delivered on a cohort model. Students who are accepted to the program will enter after their junior year.

Qualified students who have already been accepted to the 3+2 B.S. Psychology/M.S. Clinical Mental Health Counseling program will also need to

complete a formal application with Graduate Admissions **by no later than the start of their junior year**. When submitting the formal application to Graduate Admissions, the following must be submitted or completed:

1. A completed application for graduate admission, marking the M.S. Clinical Mental Health Counseling box under the Programs Selection section.
2. M.S. Counseling Statement of Purpose: an essay explaining your motivation, aptitude and goals related to counseling.
3. Three letters of recommendation. Recommendations should be from individuals qualified to attest to the applicant's potential for success at the graduate level of study. **Two of these letters must be from a JWU Psychology faculty member in the Social Sciences department.**
4. Current résumé or CV
5. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods (JWU courses: PSYC1001 Introductory Psychology, PSYC2002 Abnormal Psychology, and MATH2001 Statistics I or RSCH2050 Workshop in Acquiring Social Research Skills)
6. Cumulative grade point average of 3.0 or higher
7. Personal interview

This program is offered at the Providence Campus. For more information, contact the dean of the John Hazen White College of Arts & Sciences at the Providence Campus.

## 3+3 B.S. Biology/Pharm. D. (Doctor of Pharmacy) Program

The 3+3 B.S. Biology/Pharm. D. (Doctor of Pharmacy) program allows JWU Biology students who meet specified admissions criteria to earn a bachelor's degree from Johnson & Wales University and a Pharm. D. degree from University of Saint Joseph in six years. Qualified, accepted students may enroll in graduate-level Pharm. D. program classes at University of Saint Joseph School of Pharmacy (Connecticut) during their senior year at JWU, while fulfilling bachelor's degree requirements simultaneously. Priority in admission to the School of Pharmacy at University of Saint Joseph will be given to JWU students applying via the 3+3 B.S. Biology/Pharm. D. program when those applicants have completed the first three years of the Biology B.S. in the dual degree program, satisfied admissions requirements of the Pharm. D. program, and are otherwise competitive with other applicants seeking admission to the Pharm. D. program. University of Saint Joseph pharmacy classes are not considered when determining residency requirements (p. 298). Students may complete remaining graduate degree requirements in two additional years. Visit Articulation Agreements and select University of Saint Joseph 3+3 Biology-Pharm.D. to view the agreement.

Interested students must contact the College of Arts & Sciences dean's office to declare intent to pursue the 3+3 B.S. Biology/Pharm. D. Program. Pre-health advising is required.

For more information about program requirements, please contact the John Hazen White College of Arts & Sciences dean's office at the Providence Campus.

## 3+3 B.S./J.D. Law Program

The 3+3 B.S./J.D. Law Program allows JWU Criminal Justice, Liberal Studies and Political Science students who meet specified admissions criteria to earn a bachelor's degree from Johnson & Wales University and a juris doctor degree from Roger Williams University in six years. Upon completion of their junior year, qualified, accepted students may matriculate at Roger Williams University School of Law (Rhode Island) to enroll in graduate-level law courses which may serve to fulfill their senior-year program requirements at JWU. Roger Williams law classes are not considered when determining residency requirements. Students may complete remaining graduate degree requirements in two additional years. Visit Articulation Agreements and select Roger Williams University School of Law to view the agreement.

Interested students must contact the John Hazen White College of Arts & Sciences dean's office to declare intent to pursue the 3+3 Law Program. JWU students from the Charlotte Campus would require a transfer to the Providence Campus to participate. Pre-law advising is required. A formal application to Roger Williams University's law school must be submitted before December 1 of the student's junior year at JWU.

For more information about program requirements, please contact the John Hazen White College of Arts & Sciences dean's office at the Providence Campus.

## Accelerated Master's Programs (Bachelor's/ MBA/M.S.)

This is a program available for students interested in taking graduate classes during their senior year toward a master's degree while completing their bachelor's degree. Charlotte students may enroll in online graduate-level courses; Providence students may choose to enroll in either online or on-campus graduate-level classes.

Please see the Admissions Requirements section of the catalog for more information.

## SHARP

The Special Honors and Rewards Program (SHARP) is designed to allow qualifying **undergraduate day program students** to accelerate the completion of their degree requirements in less than the normally prescribed time. This is accomplished by giving eligible students the ability to register up to 21.0 credits each semester — with no additional tuition fees. SHARP offers the potential for students to save time and expenses.

To be eligible for SHARP, the student must have completed at least one semester of classes at JWU and have a cumulative GPA of 3.60 or higher.

- If this criteria is met, the student's maximum allowable registration credits will reflect 21.0 for the next semester.
- If this criteria is not met, the student's maximum allowable registration credits will remain at 18.0.
- If a student is or becomes SHARP-ineligible at the end of a semester, they may become SHARP-eligible any time in the future provided they meet the 3.60 cumulative GPA requirement at the end of a semester.
- Students registered for 21.0 credits who become SHARP-ineligible for the next semester will be notified via their JWU email account. It is the student's responsibility to drop extra credits, if registered, to avoid incurring additional charges.

Students who are SHARP-eligible may utilize this benefit at any time of their choosing (or not at all) and should note the following before proceeding.

1. Accelerating the completion of program requirements may impact future enrollment (e.g., part-time enrollment) and course sequencing.
2. Semester course offerings may not allow or guarantee accelerated program completion.
3. To plan effectively, course projections must be reviewed carefully and students should work closely with their academic counselor/advisor.

## International Admissions Requirements

Johnson & Wales University's admissions process goes beyond simply looking for academically accomplished students. The university seeks to attract and retain highly motivated and demonstrably capable students. Students' motivation and interest in succeeding in their chosen careers are given consideration along with their academic achievements.

All assessment of international qualifications is completed at and by Johnson & Wales University. This includes assessment for entry to all programs, as well as transfer credit evaluation. While a third party evaluation of credentials is not required, it may be accepted.

While not required for all programs of study, graduate students are encouraged to submit employment information, résumé/CV and letters of recommendation for admissions consideration.

### Undergraduate

Applicants who are not United States citizens or permanent residents (holding a "green card" or permanent resident card) of the United States must meet the same admissions requirements as all other applicants, including some additional documentation.

International applicants must submit the following:

#### Application

- An accurate, complete and legible international application must be submitted. **All schools attended must be listed with dates of attendance.**

#### Transcripts

- Official secondary school transcript showing subjects and marks received with graduation date. Diplomas and any external examination results should be submitted, if applicable. Students who have not yet graduated from secondary school must submit a transcript showing all completed work, and expected results and graduation date may be submitted for review.
- Certified word-for-word translations must be submitted with all non-English documents.
- Applicants who have attended any college or university must submit transcripts, marks sheets, diplomas or certificates from all post-secondary institutions attended, along with course descriptions and credit values for transfer review.

#### English Proficiency

- English Language Proficiency test results (if applicable or available, please see the English Proficiency Requirements (p. 314)).
- All English Proficiency documents should be uploaded to the student's applicant portal for review.

#### I-20 Processing

- Reservation deposit submitted via applicant portal.
- Copy of biographical section of applicant's current passport.
- Certified bank statement or government sponsorship letter verifying financial support for one academic year. Bank statements cannot be older than three months from the time of issue.
- Completed financial declaration signed by both the applicant and sponsor.
- Transfer verification form, if the student is currently on an F-1 visa and studying in the United States. This form will be sent to students as applicable.
- All I-20 documents should be uploaded to the student's applicant portal for review.

All documents and information should be clear and legible; if important information cannot be read by the International Admissions staff, the admissions process is delayed.

Official or certified final documents should be sent by courier or brought to the campus where the student intends to enroll.

#### Providence Campus

Johnson & Wales University  
International Admissions  
8 Abbott Park Place  
Providence, RI 02903 USA  
Telephone: 401-598-1000  
Fax: 401-598-2948

#### Charlotte Campus

Johnson & Wales University  
International Admissions  
801 West Trade Street  
Charlotte, NC 28202 USA  
Telephone: 980-598-1107  
Fax: 980-598-1111

### Graduate

Graduate programs are available to international students at our Providence Campus location only.

Applicants who are not U.S. citizens or permanent residents (holding a "green card" or permanent resident card) of the U.S. must meet the same admissions requirements as all other applicants, including some additional documentation required for the Form I-20. International Graduate Studies students must submit official or certified transcripts/mark sheets from all institutions attended and diploma showing bachelor's degree (and master's degree, if applicable) conferral. Photocopies, fax copies, U.S. Notary copies, scanned or emailed documents are valid for application purposes. However, official or certified documents will be required before final enrollment, presented either by mail or in-person. Without such verification, students will

not be allowed to register for the current semester or continue enrollment and will be in jeopardy of losing their academic status with the university as well as their immigration status. For international students, a loss of immigration status will require their immediate departure from the United States.

English language examination results must be submitted on an official test transcript that is no more than two years old. Please see English Proficiency Requirements (p. 314) for scores required for admission.

International applicants must submit the following:

1. An accurate and complete graduate application. **All schools attended must be listed, with dates of attendance.**
2. All postsecondary (college or university) transcripts, marks sheets, diplomas or certificates. Post-secondary qualifications include associate degree, diploma, certificate, bachelor's degree, post-graduate diploma and master's degree. All non-English credentials must be accompanied by certified word-for-word translations.
3. Two letters of recommendation
4. A statement of purpose
5. A résumé or CV
6. Certified bank statement or government sponsorship letter verifying financial support for one academic year. Bank statements cannot be older than three months from the time of issue.
7. Completed financial declaration form signed by both the applicant and the sponsor
8. Copy of biographical section of applicant's current passport
9. English Language Proficiency test results (if applicable or available, please see English Proficiency Requirements (p. 314))

All documents and information should be clear and legible; if important information cannot be read by the International Admissions staff, the admissions process is delayed and, as a result, so is the acceptance/Form I-20 process. All documents must be sent to the Providence Campus location directly:

#### Providence Campus

Johnson & Wales University  
International Admissions  
8 Abbott Park Place  
Providence, RI 02903 USA  
Telephone: +1-401-598-1074 or 1-800-342-5598  
Email

## Form I-20/Visa

Please see the appropriate undergraduate or graduate tab for information regarding Form I-20/Visa.

### Undergraduate

#### Initial Form I-20: Undergraduate

Responsibility for obtaining the approved visa classification rests entirely with students. Students entering the United States to study will need an F-1 international student visa. In order to obtain the necessary visa, students must submit the valid Form I-20 for an F-1 visa to the United States Embassy or Consulate in the country of residence. In addition to these forms, students will have to present a passport and evidence of financial support.

Johnson & Wales University will send the Form I-20 after undergraduate international students have been accepted, have paid their \$500 reservation deposit, and have submitted evidence of financial support. International students must register for the semester for which admission is offered and must maintain full-time status during the academic year.

Additionally, F-1 international students currently studying in the U.S. who seek enrollment in a JWU program are required to submit a Transfer Release Form (completed by the international student advisor at the institution last attended) prior to receiving a Form I-20 issued from JWU.

Students are admitted to the United States to attend the school that issued their Form I-20. Using an initial attendance Form I-20 from one school to gain admission to the United States to attend another school is a violation of U.S. immigration law. Students must attend the institution that they are authorized to attend. Violators will be reported.

### International Transfer Students

International students currently studying in the U.S. who seek enrollment in a JWU program are required to submit a Transfer Release Form (completed by the international student advisor at the institution last attended) prior to receiving a Form I-20 issued from JWU.

### Graduate

#### Initial Form I-20 - Graduate

Responsibility for obtaining the approved visa classification rests entirely with students. Students entering the United States to study will need an F-1 international student visa. In order to obtain the necessary visa, students must submit the valid Form I-20 for an F-1 visa to the United States Embassy or Consulate in the country of residence. In addition to these forms, students will have to present a passport and evidence of financial support.

Johnson & Wales University will send the Form I-20 after graduate international students have been accepted, have submitted evidence of financial support, and have paid the \$500 reservation fee. International students must register for the semester for which admission is offered and must maintain full-time status during the academic year.

Additionally, F-1 International students currently studying in the U.S. who seek enrollment in a JWU program are required to submit a Transfer Release Form (completed by the international student advisor at the institution last attended) and pay the \$500 deposit prior to receiving a Form I-20 issued from JWU.

Students are admitted to the United States to attend the school that issued their Form I-20. Using an initial attendance Form I-20 from one school to gain admission to the United States to attend another school is a violation of U.S. immigration law. Students must attend the institution that they are authorized to attend. Violators will be reported.

### International Transfer Students

International students currently studying in the U.S. who seek enrollment in a JWU program are required to submit a Transfer Release Form (completed by the international student advisor at the institution last attended) prior to receiving a Form I-20 issued from JWU.

## English Language Proficiency

Applicants whose primary language is not English must provide proof of English proficiency through academic transcripts or testing. English language proficiency is required for admission to all programs of study at Johnson & Wales University, regardless of country of citizenship or residency. Students who do not provide proof of English proficiency will be enrolled in the English as a Second Language (ESL) program and registered for ESL classes prior to beginning regular degree studies. For more information, please see English proficiency requirements (p. 314).

Johnson & Wales University's English as a Second Language (ESL) program allows students to focus on the areas where they need the most improvement.

English as a Second Language (ESL) Program admission requirements are as follows:

- Transcript, diploma, certificate or examination results from last program completed or attended. If the student plans to continue matriculating via an academic pathway after ESL, the student must complete the undergraduate or graduate application/enrollment process.

Types of ESL programs:

- ESL only (with no degree intention) — There is no GPA requirement for this program.
- ESL (with undergraduate degree intention) — The GPA requirement is the same as the intended undergraduate major.
- ESL (with graduate degree intention) — The GPA requirement is the same as the intended graduate major.

## English Proficiency Requirements

Johnson & Wales University recognizes a number of examinations as proof of English proficiency. Acceptable proof of English proficiency may include one of the following comparable English proficiency examinations (English proficiency examinations cannot be older than two years). Please note that total exemption from ESL may require meeting both the overall score and individual subscores.

## Examination Score

	Undergraduate		Graduate	
	Undergraduate	Graduate	Undergraduate Subscores (recommended)	Graduate Subscores
IELTS (International English Language Testing System, Cambridge)	6.0	6.5	5.5 or higher	6.0 or higher
Duolingo English Test (DET)	105	110		
TOEFL iBT (Test of English as Foreign Language, Internet, ETS)	75	80	15 or higher	18 or higher
TOEFL Essentials	8	8.5		
PTE Academic (Pearson Test of English) Online or at-home option	53	53	43 or higher	43 or higher
TOEFL PBT (Paper-based) NEW	20 on each of the Reading, Listening & Writing tests	20 on each of the Reading, Listening & Writing tests		
TOEFL PBT (Paper-based — discontinued)	535	550	48 or higher	48 or higher
Kaplan International Certificate	Advanced Certificate	Proficient Certificate		
EF Education First	C1 Certificate	C2-1 Certificate		
ELS — Certificate of Completion	Level 112			
LanguageCert International ESOL Exams	C1 Level			
CAE (Certificate in Advanced English), Cambridge	C1 or C2 Level			
PTE General (formerly London Test of English)	Level 4 (C1 Advanced)			
MET Michigan English Test	60			
S.T.E.P. Eiken (Society for Testing English Proficiency)	Grade 1			
SAT Evidence-Based Reading and Writing	500			
ACT English Language Arts	19 (average of English scores)			
ACT English and Reading	Section scores of 19 in each			

To meet English proficiency requirements, all English language examination results must be submitted on an official test transcript or test report form that is no more than two years old. TOEFL scores must be received as official ETS scores. The Johnson & Wales University Designated Institution (DI) code is 3465. Students should use this code on their TOEFL registration form so that their scores will be sent directly to Johnson & Wales University. Legible copies of IELTS Test Reports may be verified through the IELTS verification service.

Students may be exempted from individual ESL classes based on their individual test section scores. Johnson & Wales University also reserves the right to require a student to take ESL classes to increase proficiency in a particular area, regardless of total test scores.

Other English language examination results will also be considered, and experience studying in the English language, as documented through school transcripts, will be taken into consideration.

Additional qualifications that meet English proficiency requirements include the following:

### For Undergraduate Study

GCSE, CIE, IGCSE or Singapore/Cambridge O Levels	Grade of 4, or Grade of C or higher in English Language
International Baccalaureate Examinations — IBO.org	Grade of 4 or higher in English SL/HL (Syllabus A)
Caribbean Secondary Education Certificate (CSEC)	Grades I–III in English Language

### For Graduate Study

Nigeria — completion of an accredited university program	Level acceptable for graduate school admission
Ghana — completion of an accredited university program	Level acceptable for graduate school admission

### Majority English-Speaking Countries

Applicants from the following countries where English is the dominant native language and the primary language of instruction (and submit an official transcript from one of these countries)\*\* are not required to submit English language test scores.

\*\*Official transcripts and degrees will need to be provided \*\*

- Anguilla (ANG)
- Antigua & Barbuda (ANT)
- Australia (AUS)
- Bahamas (BAH)
- Barbados (BAR)
- Bermuda (BER)
- British Virgin Island (BVI)
- Canada (except Quebec) (CAN)
- Cayman Island (CAY)
- Dominica (DOM)
- Falkland Island
- Fiji (FJI)
- Gibraltar (GIL)
- Grenada (GRN)
- Guam (GUM)
- Guyana (GUY)
- Ireland (IRE)
- Jamaica (JAM)
- Liberia
- Kiribati (KIR)
- Malta (MLT)
- Marshall Islands (MRI)
- Micronesia, Fed States (MIC)
- Montserrat (MNT)
- New Zealand (NWZ)
- Scotland (SCO)
- Seychelles (SEV)
- St. Helena
- St. Kitts & Nevis (STR)



- St. Lucia (STL)
- St. Vincent and the Grenadines (STV)
- Trinidad and Tobago (TRT)
- Turks and Caicos Island (TCI)
- United Kingdom (UNK)
- Virgin Islands

## High School/College Verification

All students who have been accepted for admission to Johnson & Wales University must provide verification of high school completion. International students need to submit an **official, final** transcript, diploma and/or official examination results, with original stamps, signatures and award date.

Students do not need to provide high school verification if at least one of the following situations pertains to them:

- Successful completion of an associate degree program
- Successful completion of at least 60 semester or trimester credit hours or 72 quarter credit hours that does not result in the awarding of an associate degree, but that is acceptable for full credit toward a bachelor's degree at any institution
- Enrollment in a bachelor's degree program where at least 60 semester or trimester credit hours or 72 quarter credit hours have been successfully completed, including credit hours transferred into the bachelor's degree program. The student must provide a college transcript for verification of completed college earned hours.

Transfer students must submit official transcripts from previous colleges/universities attended. Graduate students must submit official transcripts/mark sheets from all institutions attended and diploma showing bachelor's degree conferral.

**Without such verification, students may not be allowed to register for the current semester or continue enrollment and will be in jeopardy of losing their academic status with the university as well as their immigration status.** For international students, a loss of immigration status will require their immediate departure from the U.S.

## Examinations

### International Baccalaureate

Johnson & Wales University recognizes International Baccalaureate (IB) Diploma and Certificate Examinations for advanced placement credit and will award three to six (3 to 6) semester credits for standard and higher-level exams with a score of 4 or better as applicable for the intended JWU major. Students must request an official IBO examination transcript to be sent from the International Baccalaureate Organization.

### General Certificate of Education Advanced Level (A-level)

Johnson & Wales University recognizes UK Advanced Level examinations for advanced placement credit and will award up to eight (8) semester credits per subject for GCE Advanced Level Examinations (excluding General Paper) passed with grade equivalents of C or better. Up to four (4) semester credits may be awarded for GCE AS (Advanced Subsidiary) examinations. Students must submit an official or verified certificate or statement of results issued by the UK examinations board.

### Caribbean Advanced Proficiency Examinations (CAPE)

Johnson & Wales University recognizes Caribbean Advanced Proficiency Examinations for advanced placement credit and will award up to eight (8) semester credits per subject for two-year CAPE examinations passed with a grade of IV or better. Up to four (4) semester credits may be awarded for single-unit CAPE examinations. Students must submit an official or verified statement of results issued by the Caribbean Examinations Council (CXC).

## Articulation Agreements

Johnson & Wales University is proud to maintain a variety of international relationships through articulation agreements and transfer equivalencies with institutions and programs that facilitate student transfer to JWU for bachelor's degree completion. The university is continuously working to develop partnerships with institutions around the world for the purpose of offering diverse educational opportunities for transfer students. Please note that not all majors are offered at every campus, which may affect articulation

agreement eligibility. Contact Admissions at the specific campus for more information.

## International Transfer Credit

Postsecondary coursework completed at foreign institutions formally recognized and authorized by their national governments, usually through a ministry of education, is generally eligible for transfer credit; however, transfer credit is not guaranteed.

Please see the appropriate tab for detailed transfer credit policies.

Graduate programs are offered at the Providence Campus.

### Undergraduate

Applicants with transfer credit should submit official college transcripts from any colleges and universities previously attended prior to enrolling at the university. It is the responsibility of those candidates who are currently attending other colleges to have their updated official transcripts sent to Johnson & Wales University as soon as final grades become available and no later than the first semester of enrollment. In some cases, an official course outline or syllabus will be required for evaluation. Students who have completed military service must submit a Joint Services Transcript (JST) for evaluation. Credit for military service is awarded based on recommendations provided by the American Council on Education (ACE) in the Guide to the Evaluation of Educational Experiences in the Armed Services.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions or syllabus (subject details, module descriptors or content outline) are generally required for transfer credit evaluation.

In order to be eligible for transfer credit, courses must be similar in level, content and duration to JWU courses in the student's intended program of study. Additionally, only courses with earned grades of C or higher (2.00 GPA) or equivalent will be accepted. Courses that carry grades of "Pass" (P) are also acceptable for transfer, provided credit was awarded and the grade of P carries a numeric GPA value of 2.00 or greater. As an exception, any course(s) that has earned a grade of Pass (P) or Satisfactory (S), as a result of COVID-19, will be considered for transfer credit regardless of the number of associated quality points or its numeric value. Note that due to programmatic accreditation standards, SCI1050 Nutrition, DIET2070 Lifespan Nutrition, DIET3030 Nutrition Assessment, DIET3080 Community Nutrition, DIET4030 Medical Nutrition Therapy, DIET4630 Advanced Medical Nutrition Therapy, BIO1011 General Biology - Cellular / BIO1016 General Biology Laboratory - Cellular, CHM1000 Foundations in Chemistry / CHM1006 Foundations in Chemistry Laboratory, BIO2041 Human Physiology / BIO2046 Human Physiology Laboratory, BIO2201 General Microbiology / BIO2206 General Microbiology Laboratory, CHM2050 Introduction to Organic Chemistry, and CHM3040 Biochemistry are excluded from this exception for students entering the Dietetics & Applied Nutrition B.S. program. Students who opted for a grade of Pass (P) or Satisfactory (S) in any of these courses will have to repeat the course and earn a standard letter grade. Credits earned in developmental and remedial, English as a Second Language courses, Portfolio Development, Challenge Examinations, or CEUs (continuing education units) are nontransferable.

Upon completion of the transfer credit evaluation, accepted students will receive a copy of their degree audit showing the credit accepted toward their program of study. Students with domestic transfer credit wishing to review such credits must contact a transfer adviser in Student Academic Services. Those with transcripts from foreign institutions must contact International Admissions.

JWU has a number of articulation agreements and transfer credit equivalencies in place that facilitate student transfers to Johnson & Wales University. The Transfer Evaluation System provides students with information on courses (domestic institutions only) that have previously been evaluated and accepted by Johnson & Wales University.

The university reserves the right to substitute courses at the discretion of the department chairs, directors or deans.

The transfer of credit is not guaranteed.

### Graduate

Graduate program applicants with prior graduate-level coursework taken at approved colleges and universities may be eligible for transfer credit. A maximum of 20% of the program's credits can be awarded as transfer credit



for courses completed with a grade of B or better (3.00 GPA) or equivalent. In some cases, an official course outline or syllabus will be required in order to determine if the course(s) is similar in level, content and duration to courses in the student's intended program of study at JWU. Graduate transfer credit will be approved by the dean of the respective college.

Applicants with transfer credit should submit official college transcripts from any colleges and universities previously attended prior to enrolling at the university. It is the responsibility of those candidates who are currently attending other colleges to have their updated official transcripts sent to Johnson & Wales University as soon as final grades become available and no later than the first semester of enrollment.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions/syllabi (subject details, module descriptors or content outline) are generally required for transfer credit evaluation.

Upon submission of all of the required documents and completion of the transfer credit evaluation, accepted students will be notified that the evaluation is complete and the degree audit is available for review.

Once enrolled in a JWU master's degree program, a student may not take courses elsewhere and apply them for transfer credit. Transfer credits should be requested prior to initial matriculation into a JWU master's degree program.

The university reserves the right to substitute courses at the discretion of the department chairs, directors or deans.

### **Prerequisite and Foundation Courses**

Prerequisite courses are required undergraduate classes for students who need such courses to prepare for graduate study.

Foundation courses are graduate-level courses that may be required of some students whose previous academic background does not reflect the course content described. Foundation courses with grades below a C or equivalent will need to be repeated.

For possible exemption from prerequisite and/or foundation courses, candidates must ensure that all official college and university transcripts are submitted prior to enrollment at JWU. In some cases, the official course outline or syllabus will be required in order to complete the evaluation. Only courses similar in level, content and duration to JWU's prerequisite courses, and for which the student has earned a grade of C or higher (2.00 GPA) or equivalent, may be used to exempt the student from the respective prerequisite. Specific graduate degree program prerequisite and foundation requirements are listed in the catalog under each program of study.

Upon transcript review, domestic students may view their degree audit online in [jwuLink > Tools > Academics > Grad Planning System \(GPS\)](#), and will be sent a copy of their degree audit reflecting any prerequisites and/or foundation courses met as well as the remaining requirements of their program of study. International students who enroll in a JWU program can also access their degree audit online in [jwuLink](#).

Students with domestic transcripts wishing to review transfer credit, prerequisite or foundation course credits must contact a transfer advisor. International students should contact a graduate student academic counselor upon enrollment into the graduate school major. Those with transcripts from foreign institutions may be referred to an international credentials evaluator.

## **Military and Veterans**

Johnson & Wales University (JWU) is honored to support our nation's military members and veterans as they pursue their education. JWU is proud to be a Yellow Ribbon Program-participating institution and a participant of the Principles of Excellence. JWU is dedicated to helping to ensure that our students are maximizing the full potential of their VA education and military benefits. This includes students who are veterans, active duty and military dependents. JWU works with students who qualify for the Montgomery GI Bill<sup>®</sup> Active Duty (Chapter 30), MGIB Selected Reserve (Chapter 1606), Survivors' and Dependents' Educational Assistance (Chapter 35), Post-9/11 GI Bill<sup>®</sup> (Chapter 33), Yellow Ribbon Program, Veteran Readiness and Employment (Chapter 31), Tuition Assistance and other programs/benefits.

All students seeking to utilize educational benefits must apply through the Department of Veterans Affairs (VA). Students with questions about their eligibility should contact the VA first to determine the specific programs for which they may qualify.

Processing of the veterans application by the VA takes approximately six-to-ten weeks. The VA will mail the student a Certificate of Eligibility or an award letter. One of these must be provided to the campus certifying official in Student Financial Services to receive benefits for upcoming semesters.

Each new student utilizing veteran benefits should submit

1. an application for admission
2. official documentation that verifies high school diploma completion or equivalent
3. official college transcripts from all colleges previously attended and military training transcripts, as applicable
4. Certificate of Eligibility or award letter and any other necessary VA paperwork

Note: If you have used benefits at another school, complete one of the following forms and indicate a change of school. If you are the veteran, complete VA form 22-1995 (Request for Change of Program or Place of Training). If you are the dependent of a veteran or service member, complete VA form 22-5495 (Dependents' Change of Program or Place of Training). Forms can be completed online.

Students enrolling under the GI Bill<sup>®</sup> for the first time may experience a delay of up to two months before they receive their first payment(s). Students should contact the Veterans Affairs Office if no payment has been received by week 7 of a semester.

Courses that are not required for the student's degree program will not be certified.

Federal regulations pertaining to the veterans' education benefits program require schools to certify a student's dates of enrollment to enable that student to receive the appropriate benefits. JWU certifies eligible student enrollment based on the actual start and end date of their courses within the semester. Certifying courses and/or labs in this manner should not have any impact on a student's tuition benefits. If there is a break in enrollment between courses, however, it could impact housing stipends. Students using Post-9/11 GI Bill<sup>®</sup> (Chapter 33) benefits are required to verify enrollment at the end of each month to receive monthly housing and/or kicker payments.

The VA requires strict compliance with a number of other regulations. It is the student's responsibility to be informed of the requirements the Department of Veterans Affairs has in place regarding educational benefits. Students who have any questions or concerns regarding their eligibility under Chapter 33 (Post 9/11 GI Bill<sup>®</sup>) should contact the U.S. Department of Veterans Affairs for more information.

GI Bill<sup>®</sup> is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website.

## **Reserve Officers' Training Corps (ROTC)**

JWU students enrolled at the Providence Campus may participate in the Army ROTC program at Providence College, subject to eligibility requirements.

Military Science courses are maintained, offered and taught at Providence College. JWU understands that JWU students may enroll in such courses as part of their authorized participation in the Senior Army ROTC Program at Providence College.

For information regarding when and how JWU credit may be obtained for such courses, contact Student Academic Services.

The Patriot Battalion, headquartered at Providence College, serves Johnson & Wales University, Brown University, Bryant College, the Community College of Rhode Island, Rhode Island College and University of Massachusetts at Dartmouth.

Scholarship opportunities are available through this program.

The U.S. Army Officers' Training Program (ROTC) teaches teamwork, leadership and responsibility through a curriculum that includes the following Military Science courses:

### **MIL 101 - Leadership and Personal Development with Lab**

Introduces students to the personal challenges and competencies that are critical for effective leadership. Students learn how the personal development of life skills such as critical thinking, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership,

and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions. (1 semester, 3 credits)

#### **MIL 102 - Introduction to Tactical Leadership with Lab**

Overviews basic leadership fundamentals such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students explore dimensions of leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises. Faculty role models and the building of stronger relationships among the students are critical aspects of this course. Prerequisite: MIL 101. (1 semester, 3 credits)

#### **MIL 201 - Foundations of Leadership I with Lab**

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework (trait and behavior theories). Students practice aspects of personal motivation and team building in the context of planning, executing, and assessing team exercises and participating in leadership labs. Prerequisite: MIL 102. (1 semester, 3 credits)

#### **MIL 203 - Foundations of Leadership II with Lab**

Highlights dimensions of operation orders, terrain analysis, and patrolling. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Students develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Prerequisite: MIL 201. (1 semester, 3 credits)

#### **MIL 301 - Adaptive Team Leadership with Lab**

Students study, practice, and evaluate adaptive leadership skills as they are presented with scenarios related to squad tactical operations. Students receive specific feedback on their leadership attributes and actions. With the feedback, and own self evaluations, students develop their leadership and critical thinking abilities. The focus is developing students' tactical leadership abilities in preparation for ROTC's summer Cadet Leadership Course. Prerequisite: MIL 203. (1 semester, 3 credits)

#### **MIL 302 - Applied Team Leadership with Lab**

Apply team leadership challenges to build student awareness and skills in leading tactical operations at the small unit level. Students conduct military briefings and develop proficiency in the operation orders process. The focus is on exploring, evaluating, and developing skills in decision-making, persuading, and motivating team members. Students prepare to attend the ROTC summer Cadet Leadership Course. Prerequisite: MIL 301. (1 semester, 3 credits)

#### **MIL 401 - Adaptive Leadership with Lab**

Transitions the focus of student learning from being trained, mentored, and evaluated to learning how to train, mentor, and evaluate others. Students will attain knowledge and proficiency in several areas critical in their future roles as officers, including the Military Decision Making Process, training management, counseling, risk management, effective communication, ethical/moral decision making, and administrative systems within the Army. Prerequisite: MIL 302. (1 semester, 3 credits)

#### **MIL 402 - Leadership in a Complex World with Lab**

Explores the dynamics of leading soldiers and completes the transition from student to Army lieutenant. Significant emphasis is placed on preparing students to face the complex ethical and practical demands of leading soldiers in the U.S. Army using case studies and exercises. Additionally, students will develop a Battle Analysis and participate in a Staff Ride at a historic military site. Prerequisite: MIL 401. (1 semester, 3 credits)

**To obtain additional ROTC program information, contact the professor of military science at Providence College.**

## Placement Testing

Placement testing is used to place students into appropriate course levels and determine students' course schedule.

Although it is critical that students do their best, placement test results do not affect the student's admission to the university. See the appropriate section to review specific placement testing requirements.

## Academic Support and Disability Accommodations

Students with a documented disability requiring accommodations must forward the appropriate documentation to the Accessibility Services (p. 338) / Academic & Career Excellence Center on their campus at least two weeks prior to scheduling a placement test in order to ensure that accommodations can be provided. No accommodations will be allowed unless the required documentation is submitted prior to testing. Students who have already participated in placement testing and submit appropriate documentation will have the opportunity to retest with the accommodations in place.

## Undergraduate Mathematics and English

Mathematics and English placement tests are required for all new undergraduate students, including transfer students, prior to orientation or attending classes. Transfer students may be exempt from mathematics placement testing only if Johnson & Wales University has awarded them transfer credit for degree-specific, first-level mathematics courses.

The university administers Next Generation ACCUPLACER mathematics and English placement tests to assess students' skills in these areas. The mathematics tests, Quantitative Reasoning, Algebra, and Statistics and Advanced Algebra and Functions, are designed to evaluate skills in relation to those required for college math courses. English placement testing, Writeplacer, is an essay writing test which evaluates writing skills. The ACCUPLACER exams are computer-based tests (CBT) developed by College Board.

All of these tests will result in placement into a course rather than in grades of Pass or Fail.

After acceptance and payment of the reservation fee, students will be emailed instructions for completing the required mathematics and English placement testing online with a virtual proctor. Virtual proctoring allows students to take placement tests online in a quiet and distraction-free location, such as home. Online testing appointments are available seven days a week, 24 hours a day, and require no software installs. All that is needed is a simple webcam, access to the internet and a voucher code that will be provided by the university. There is no charge for virtual proctoring or for the ACCUPLACER assessment. Students will be able to view their assessment scores immediately upon submitting the ACCUPLACER. Once the assessment scores are recorded, students will be provided with the name and contact information of their academic counselor in Student Academic Services in Providence, ACE advisor in the Center for Academic & Career Excellence in Charlotte, or online academic advisor in the College of Professional Studies should they wish to discuss their placement and course registration prior to their first term of enrollment.

Students requesting to retake their placement exam may do so by contacting Student Academic Services. Students will be allowed one retake 30 days after their initial test.

Visit Testing Services for additional information.

## Modern Languages

All undergraduate students who studied a language for more than one year in high school are required to take a placement exam prior to registering for a course in the respective language. Modern language placement exams are required for Spanish, French and German.

Modern language placement exams are scheduled once each semester. Students whose placement score indicates they have met a particular level of language proficiency will not be allowed to enroll in that level of the language. Students placing out of a required level of a language will be given the option to take the CLEP exam to earn the language credits (fees apply), or to have the language credits replaced with an arts and sciences elective course.

For additional information, visit Testing Services.

## English as a Second Language (ESL)

Students admitted into the ESL Program are required to submit Duolingo English Test scores or complete the Levels of English Proficiency (LOEP) test to assess their English-language proficiency. This test includes three sections: reading, language usage and sentence meaning. LOEP tests are scheduled at the beginning of each semester and administered via the ACCUPLACER computer-based placement testing system.

Results of the Duolingo English Test or LOEP placement test will determine whether students are placed into the beginner, intermediate or advanced levels of ESL courses. Students with a score of 315 or higher on the LOEP test are eligible to take the **TOEFL Institutional Testing Program (ITP)** test. Students who obtain a score of 550 or higher in the ITP can exit the ESL program and enroll directly in their degree program courses. Students with a test score under 550 on the ITP will have their individual section scores reviewed in the areas of listening, grammar and reading. Section scores with a minimum of 550 on the ITP will exempt the student from the corresponding ESL class. Students who do not submit Duolingo English Test scores or complete the required LOEP test will automatically be placed into beginner-level ESL courses.

## Prior Learning Assessment

By successfully completing one of the Prior Learning Assessment options [Portfolio Assessment, College Level Examination Program (CLEP)/DANTES Subject Standardized Tests (DSST) or Departmental Challenge Examinations], students may earn undergraduate course credit for previous academic and/or prior learning experiences.

### Policies for Prior Learning Assessment

1. Students must consult with an academic counselor/advisor prior to applying for Challenge Examinations or Portfolio Development.
2. Course prerequisite requirements must be completed before permission to take Challenge Examinations or Portfolio Development is granted.
3. Prior Learning Assessments are for academic credit and carry nonrefundable fee(s).
4. CLEP exam credit will only be awarded for passing scores of 50 or higher, and when the JWU course equivalent to the exam title is degree applicable.
5. DSST exam credit will only be awarded for scores which meet the minimum ACE recommended score, and when the JWU course equivalent to the exam title is degree applicable.
6. Official College Board transcripts are required for CLEP exam credit to be awarded.
7. Official Prometric transcripts are required for DSST exam credit to be awarded.
8. CLEP and DSST exams, if failed, can be repeated three months after the initial testing date.
9. Portfolio Development and Challenge Exams cannot be repeated if failed.
10. The university recognizes up to a maximum of 30 undergraduate semester credits for bachelor's degrees and 15 for associate degrees earned through Prior Learning Assessment.
11. Prior Learning Assessment credits cannot be used to meet residency requirements.
12. Students may not take Challenge/CLEP/DSST exams for a lower level course after completing higher level courses in the same discipline.
13. Students may not request to take a Challenge Exam or Portfolio Development for a course that is a prerequisite to a course for which they have already received credit or in which they are currently enrolled.
14. Students must present a valid picture ID when testing.
15. Participation in the prior learning seminar does not constitute enrollment at Johnson & Wales University. As such, any fees associated with involvement in the portfolio seminar are not eligible for financial aid.

Visit Testing Services for additional policies, course options, deadlines, examination dates and fees.

In all cases, the academic department determines policy as it relates to the prior learning options available for each course in the department. Several options may be available to students, and it is recommended that students seek the advice of an academic counselor/advisor.

## CLEP/DSST Examination

Both CLEP and DSST are forms of Prior Learning Assessment that allow students with knowledge obtained outside the classroom to earn college credit by examination.

### College Level Examination Program (CLEP)

The College-Level Examination Program (CLEP) is a standardized, college-credit-granting exam program maintained by the College Board. CLEP offers

32 exams in five subject areas: business, composition and literature, world languages, history and social sciences, science and mathematics.

While the university accepts the American Council on Education (ACE) recommended passing score of 50, subject equivalencies for each CLEP examination are determined by the respective academic department at the university. To view the currently approved CLEP/JWU course equivalencies, go to the Transfer Evaluation System (TES) and type "College Board" in the search box. Exam titles are listed alphabetically preceded by the designation of CLEP.

U.S. military personnel and U.S. veterans may be eligible to receive funding or reimbursement for CLEP exams. For more information on CLEP, visit CLEP for Military. JWU waives the CLEP administration fee for its U.S. military and U.S. veteran students.

Visit Testing Services for additional policies, course options, deadlines, examination dates and fees.

### DANTES Subject Standardized Test (DSST)

DANTES Subject Standardized Tests (DSST) are standardized college-credit-granting exams maintained by Prometric. There are 37 DSSTs available in six subject areas (business, humanities, math, physical science, social sciences and technology), covering material taught in both lower- and upper-level college courses.

While the university accepts ACE recommended scores, subject equivalencies for each DSST examination are determined by the respective academic department at the university. To view the currently approved DSST/JWU course equivalencies, go to the Transfer Evaluation System (TES) and type "DSST Program Exams" in the search box.

U.S. military personnel and U.S. veterans may be eligible to receive funding or reimbursement for DSST exams. For more information on DSST, please visit Get College Credit.

Visit Testing Services for additional policies and course options.

## Departmental Challenge Examination

Departmental Challenge exams are exams created by the Johnson & Wales University department in which the course is taught and are designed based on the course's content. Exams may be taken for specifically designated undergraduate courses within a department. All matriculating students with previous academic and/or work experience may request such an exam when they feel they possess the knowledge required to meet the course's objectives as listed in the outline for the respective course.

Students may be required to meet additional prerequisites to take certain challenge exams. Visit Testing Services for complete policies, course options and fees.

## Portfolio Assessment

Undergraduate students may earn credits for the knowledge or skills they have mastered outside the classroom through volunteer work, employment, travel programs, organizations or other comparable sources.

Students are required to meet with an academic counselor/advisor to discuss these options.

Prior to applying for the Portfolio Assessment option, students are required to successfully complete ENG 1020 Rhetoric & Composition I, or a higher-level writing course.

Students must complete the mandatory online Portfolio Development Seminar before submitting a finalized portfolio for review. While there are no regularly scheduled meetings, students are expected to participate in the seminar activities that lead toward the completion of the portfolio. The individual components of the portfolio are covered in self-paced segments.

Portfolios must be submitted within six months of the published seminar begin date. Completed portfolios are submitted electronically to the appropriate department designee for review. The portfolio must contain a narrative and evidence that reflects demonstrated proficiency meeting at least 70% of the respective course outcomes. Students are notified of the outcome once the assessment is completed. If credit is denied for a portfolio, the student has 10 days upon notification to file a written appeal for review.



Participation in the prior learning seminar does not constitute enrollment at Johnson & Wales University. As such, any fees associated with involvement in the portfolio seminar are not eligible for financial aid.

Visit Testing Services to review additional policies, course options, deadlines and fees.

## Technical Standards

### College of Food Innovation & Technology

To participate in any program in the College of Food Innovation & Technology, each student, with or without reasonable accommodations, **must be able to safely and effectively**

- participate in industry-relevant activity for up to six continuous hours, often standing and moving in laboratory classes
- lift and transport a minimum weight of 25 pounds
- maneuver in commercial kitchens, dining rooms and industry-related facilities
- lift and transport trays of food and beverages, and serve and clear guest tables
- use knives and commercial cooking utensils, and operate commercial food service equipment
- produce and evaluate the quality of all food and beverage products
- handle and work with an extensive list of food and beverage items, including common allergens, within a production environment (Please refer to the Policy and Procedures Regarding Allergens for more information.)
- handle and utilize commercial cleaning and sanitizing equipment and materials
- complete physical tasks in a timely manner
- perform multiple-step procedures to produce recipes/formulas and perform industry-relevant tasks within a designated time frame
- communicate appropriately with fellow students, faculty and guests in relevant industry and educational settings and within the university community

The foregoing technical standards are essential to all programs of instruction in the College of Food Innovation & Technology and also reflect industry requirements and standards.

### College of Hospitality Management

#### Sports, Entertainment, Event — Management

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- communicate appropriately with faculty, staff, fellow students, university guests and customers, in person and by telephone and email
- input data into and retrieve data from a computer
- complete job responsibilities on both day and night shifts

#### Tourism & Hospitality Management

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- communicate appropriately with faculty, staff, fellow students, university guests and customers, in person and by telephone and email
- input data into and retrieve data from a computer
- travel by standard commercial carriers, including airlines, to international destinations, which may not meet US ADA specifications
- carry out tour guide responsibilities (e.g., leading groups to access museums and outdoor tourism destinations, hotels and restaurants) at international destinations, which may not meet US ADA specifications
- complete job responsibilities on both day and night shifts

#### Hotel & Resort Management

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- communicate appropriately with faculty, staff, fellow students, university guests and customers, in person and by telephone and email
- input data into and retrieve data from a computer
- travel by standard commercial carriers, including airlines, to international destinations, which may not meet US ADA specifications

- participate in tours of restaurants and hotels, and tourism at international destinations, which may not meet US ADA specifications
- complete job responsibilities on both day and night shifts

### Food & Beverage Industry Management

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- communicate appropriately with faculty, staff, fellow students, university guests and customers, in person and by telephone and email
- input data into and retrieve data from a computer
- complete job responsibilities on both day and night shifts
- participate in industry-relevant activity for up to six continuous hours, often standing and moving in laboratory classes
- lift and transport a minimum weight of 25 pounds
- safely and quickly maneuver in commercial kitchens, dining rooms and industry-related facilities
- lift and transport trays of food and beverages, and serve and clear guest tables
- use knives and commercial cooking utensils, and operate commercial food service equipment
- produce and evaluate the quality of all food and beverage products
- handle and utilize commercial cleaning and sanitizing equipment and materials
- complete physical tasks in a timely manner
- perform multiple-step procedures to produce recipes/formulas and perform industry-relevant tasks within a designated time frame

The foregoing technical standards are essential to the programs of instruction in the College of Hospitality Management and also reflect industry requirements and standards.

### College of Arts & Sciences

#### Equine Business Management/Riding

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- wear footwear designed specifically for riding in English tack (the footwear must completely enclose the foot and have at least a ¾-inch heel)
- wear helmets that are ASTM/SEI certified (helmets must have verification that they hold such certification)
- be able to receive, understand and readily respond to audio cues while on horseback
- ride a horse without risking the animal's welfare in any way, including overloading the horse
- be able to receive and understand instruction without having to make visual contact with the instructor or take their eyes off the course
- be able to accurately judge the distance between themselves, horses and people in the ring, and obstacles and jumps
- be able to easily mount a horse either with the proper use of an approved mounting block or from the ground without assistance
- be able to properly handle standard grooming equipment, including, but not limited to, curry combs, hard and soft brushes, sweat scrapers, mane combs and braiding equipment
- be able to bend over and lift a horse's hoof and hold it long enough to allow proper examination or cleaning of the hoof
- be able to put a halter and bridle on a horse without assistance and lead
- be able to competently ride at walk, trot and canter
- be able to ride at the posting trot for two complete revolutions of a 20x60 meter arena
- have the ability to operate horse management equipment such as tractors, trucks and wheelbarrows
- be able to lift, handle and transport tack, feed bags, hay bales and equipment for feeding and watering horses up to 50 pounds for a distance of 50 feet
- be able to move their entire body a distance of no less than three meters within three seconds of a signal to do so
- be able to have sustained contact with horses and work in an environment where dust, hay and grasses are prevalent

- be able to perform all tasks mentioned above either in the saddle or on the ground without losing balance, falling, or becoming dizzy, light-headed or faint

The foregoing technical standards are essential to the programs of instruction in Equine Business Management/Riding and also reflect industry requirements and standards.

### **Equine Business Management/Non-Riding**

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- have proof of current, adequate medical and hospitalization insurance
- wear footwear designed specifically for working around horses. The footwear must completely enclose the foot
- be able to receive, understand and readily respond to audio cues while working with horses
- be able to properly handle standard grooming equipment including but not limited to: curry combs, hard & soft brushes, sweat scrapers, mane combs & braiding equipment
- be able to bend over and lift a horse's hoof and hold it long enough to allow proper examination or cleaning of the hoof
- be able to safely put a halter and bridle on a horse without assistance and lead
- have the ability to operate horse management equipment such as tractors, trucks and wheelbarrows
- be able to lift, handle and transport tack, feed bags, hay bales and equipment for feeding and watering horses up to 50 pounds for a distance of 50 feet
- be able to move their entire body a distance of no less than three meters within three seconds of a signal to do so
- be able to have sustained contact with horses and work in an environment where dust, hay and grasses are prevalent
- be able to perform all tasks mentioned above without losing balance, falling, or becoming dizzy, light-headed or faint

The foregoing technical standards are essential to the programs of instruction in Equine Business Management/Non-Riding and also reflect industry requirements and standards.

### **Equine Science**

To participate in this program, each student, with or without reasonable accommodations, must be able to safely and effectively

- have proof of current, adequate medical and hospitalization insurance
- wear footwear designed specifically for working around horses (footwear must completely enclose the foot)
- be able to receive, understand and readily respond to audio cues while working with horses
- be able to properly handle standard grooming equipment including, but not limited to curry combs, hard and soft brushes, sweat scrapers, mane combs and braiding equipment
- be able to bend over and lift a horse's hoof and hold it long enough to allow proper examination or cleaning of the hoof
- be able to safely put a halter and bridle on a horse without assistance and lead
- have the ability to operate horse management equipment such as tractors, trucks and wheelbarrows
- be able to lift, handle and transport tack, feed bags, hay bales and equipment for feeding and watering horses up to 50 pounds for a distance of 50 feet
- be able to move their entire body a distance of no less than three meters within three seconds of a signal to do so
- be able to have sustained contact with horses and work in an environment where dust, hay and grasses are prevalent
- be able to perform all tasks mentioned above without losing balance, falling, or becoming dizzy, light-headed or faint

The foregoing technical standards are essential to the programs of instruction in Equine Science and also reflect industry requirements and standards.

### **College of Health & Wellness**

Occupational Therapy Doctorate (OTD) Technical Standards



# Financing Your Degree

This section of the catalog contains information on tuition and fees, financial policies and obligations, financial aid and payment options. There is also information on loans, grants, scholarships and work programs for eligible students depending on campus and degree program.

## Academic Progress

### Satisfactory Academic Progress

To be eligible for federal and state financial aid, all students must satisfy Satisfactory Academic Progress (SAP), which is required by federal law. SAP measures a student's completion of coursework toward a degree. JWU evaluates SAP at the end of each semester, including summer, for each student. Students who do not meet all SAP criteria may lose their eligibility to receive federal and state financial aid. Students will be notified of the decision both verbally and in writing.

### Maximum Time Frame Criteria

Completion of undergraduate or graduate programs cannot exceed 150 percent of the published length of the program measured in credit hours attempted, as determined by the student's program requirements.

### Pace Measure of Academic Progress Criteria

- Students must complete a specified percentage of all credit hours attempted (see below).
- This percentage includes all credit hours attempted regardless of whether or not financial aid was received.
- This pace measurement is calculated by dividing the cumulative number of hours that the student has successfully completed by the cumulative number of hours that the student has attempted.
- Credits attempted are defined as all classes for which a student receives a grade (D or better), or an F, I, W, WP, WF, NC, GP, S, U, PL, CX, NG, AU, etc.
- All transfer credit hours accepted from another institution toward the student's educational program at JWU will be counted as both attempted and completed hours.
- The student's GPA and pace of completion are negatively impacted by course incompletes, withdrawals, failures or repetitions (incompletes, failures and withdrawals count in attempted credits, but not completed).

### Grade Point Average Criteria

- All undergraduate and graduate students must maintain a minimum Grade Point Average (GPA).
- The student's cumulative GPA for financial aid eligibility must be calculated on all grades received.
- All students, regardless of their enrollment status (e.g., full or part time), must meet the following minimum academic standards to remain eligible for financial aid.

Program	Total Credit Hours Attempted	Minimum Cumulative Pace	Minimum Cumulative GPA
Undergraduate	0–18	45%	1.00
Undergraduate	18.1–36	50%	1.26
Undergraduate	36.1–71.9	60%	1.50
Undergraduate	72 or higher	67%	2.00
Undergraduate Certificate	0 or higher	67%	2.00
Graduate	0 or higher	67%	2.00
Occupational Therapy Doctorate	0 or higher	67%	3.00
Doctor of Business Administration	0 or higher	67%	3.00
Doctor of Education	0 or higher	67%	3.25

### Warning Period

Students who fail to meet SAP criteria will be placed on financial aid warning for one academic semester and a hold will be placed on the student's record, which will prevent them from course registration for all future semesters. Students remain eligible for financial aid during the warning semester. If SAP criteria are not satisfied at the end of the warning semester, the student will

be ineligible for federal and state financial aid. Students on warning must meet with their assigned academic counselor/advisor to clear the hold prior to course registration, and/or to pursue an appeal. Students on warning must submit their appeal and supporting documentation no later than the 11th week of the warning semester.

### Ineligible for Financial Aid Period

Students who fail to meet SAP criteria after the warning period are ineligible for federal and state financial aid. If the student does not have an approved appeal, the student is no longer eligible for financial aid. Students may continue to take courses without federal and state financial aid to re-establish SAP standards; however, a payment plan must be established for the tuition and applicable fees associated with the course(s). Once a student is meeting JWU's minimum SAP standards, the student may regain federal and state financial aid eligibility. Students who are interested in reestablishing aid eligibility should meet with their assigned academic counselor/advisor to determine what they would need to do to meet JWU's minimum SAP standards.

### Appeal Process/Probationary Period

If extenuating circumstances impacted successful adherence to SAP criteria, the student may pursue an appeal. The appeal will require the student to indicate why they did not make SAP and what has changed in the student's situation that will allow the student to demonstrate SAP by the next semester. Circumstances and required documentation are illustrated below. The appeal process begins with the student's academic counselor/advisor. The student should be able to meet the SAP standards by the end of the next semester; however, based on the appeal, if the student requires more than one semester to meet progress standards, the student can be placed on probation and an appropriate academic plan will be created for the student not to exceed two semesters. If this plan allows the student to meet SAP criteria, the counselor/advisor will present it to the appeals committee. Appeals must include complete documentation and are reviewed during the warning period; incomplete appeals will be denied. Appeal decisions are final. Students will be notified of the decision both verbally and in writing. This notification will take place after final grades are reviewed for the warning period.

If an appeal is approved, the student will be placed on a Financial Aid Probation Period, which is a status assigned by JWU to a student who fails to make SAP and who has successfully appealed and has had eligibility for federal and state financial aid reinstated. To continue receiving federal and state financial aid, the student will need to satisfy both the academic plan as outlined in their appeal and the SAP criteria.

Circumstance	Required Documentation
The student's own mental or physical illness or injury or condition	Provide documentation (e.g., a physician's statement, police report or documentation from a third party professional, such as a hospital bill)
Death of a family member or significant person in the student's life	Provide a copy of a death certificate
Illness, accident or injury of a significant person in the student's life	Provide documentation (e.g., a physician's statement, police report or documentation from a third party professional, such as a hospital bill) related to the individual for whom the student provided care or support
The student's own divorce or separation or the divorce or separation of the student's parent(s)	Provide an attorney's letter on a law firm's letterhead, petition for dissolution or copy of divorce decree
Personal problems other than the student's own mental or physical illness or injury or condition with the student's spouse, family, roommate or other significant person in the student's life	Provide a written statement from an attorney, professional advisor or other individual describing the circumstances
Natural disaster	Provide a written statement and/or supporting documentation
Military deployment	Provide active duty service orders

# Financial Aid

For those who qualify, federal financial aid programs are available to U.S. citizens or eligible non-citizens. To assist students in meeting their educational expenses, the federal government offers grants, low-interest loans and work-study. Financial aid is offered on an annual basis and is disbursed in two equal installments (fall and spring). Students interested in financial aid for summer enrollment should contact Student Financial Services on their campus.

Students who register for a course that is not required in their program of study may experience an adjustment/reduction in financial aid. The university cannot offer financial aid for classes that do not count toward a student's degree requirements; therefore, a student's net tuition expense could be higher.

## Undergraduate Financial Aid Programs

Grants, loans and work-study are available to students who qualify based on completion and submission of the Free Application for Federal Student Aid (FAFSA) as described in the How to Apply (p. 323) section. Since financial aid offers are not automatically renewable, students must reapply each year. All financial aid offers are determined based on an academic year (fall and spring semesters). Financial aid offers and federal loan programs are disbursed based on this semester system, which typically equates to two disbursements. All annual offers are posted in two equal amounts, or in some cases fewer, based on the student's entrance date.

## Graduate Financial Aid Programs

Limited grants, loans and work-study are available to students who qualify based on completion and submission of the Free Application for Federal Student Aid (FAFSA) as described in the How to Apply (p. 323) section. Since financial aid offers are not automatically renewable, students must reapply each year. All financial aid offers are determined based on an academic year (fall and spring semesters). Financial aid offers and federal loan programs are disbursed based on a semester system, which typically equates to two disbursements. All annual offers are posted in two equal amounts, or in some cases fewer, based on the student's entrance date.

For more information, please contact Student Financial Services on your respective campus.

## How to Apply

Please see the appropriate tab for information regarding how to apply for financial aid.

### Undergraduate

To be considered for financial assistance, complete the steps listed below.

#### 1. Federal Student Aid ID (FSA ID)

Students and their parents can apply online for a FSA ID. The FSA ID allows students and parents to sign the FAFSA electronically and to correct previously processed FAFSA information online. Both the student and at least one parent (if dependent student) must apply for a FSA ID.

#### 2. Free Application for Federal Student Aid (FAFSA)

The Free Application for Federal Student Aid is available online. This form must be completed as soon as possible after October 1.

The information for financial assistance is then processed by the federal processor and sent to Student Financial Services at the university. The FAFSA code for JWU is 003404.

#### 3. Independent Students

To be considered independent for financial aid purposes, students must answer "yes" to one of the following questions:

1. Were you born before January 1, 1999?
2. As of today, are you married? (Answer yes if you are separated, but not divorced.)
3. At the beginning of the 2022–23 school year, will you be working on a master's or doctorate program (such as an M.A., MBA, M.D., J.D., Ph.D., Ed.D. or graduate certificate, etc.)?
4. Are you currently serving on active duty in the U.S. Armed Forces for purposes other than training?
5. Are you a veteran of the U.S. Armed Forces?

6. Do you have or will you have children who will receive more than half of their support from you between July 1, 2022 and June 30, 2023?
7. Do you have dependents (other than your children or spouse) who live with you and who receive more than half of their support from you, now and through June 30, 2023?
8. At any time since you turned age 13, were both your parents deceased, were you in foster care or were you a dependent or ward of the court?
9. As determined by a court in your state of legal residence, are you or were you an emancipated minor?
10. Does someone other than your parent or stepparent have legal guardianship of you, as determined by a court in your state of legal residence?
11. At any time on or after July 1, 2021, did your high school or school district homeless liaison determine that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless?
12. At any time on or after July 1, 2021, did the director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development determine that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless?
13. At any time on or after July 1, 2021, did the director of a runaway or homeless youth basic center or traditional living program determine that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless?

If you do not have a determination that you are homeless, but you believe you are an unaccompanied youth who is homeless or self-supporting and at risk of being homeless, answer "no" to the FAFSA questions concerning being homeless. Then contact your financial aid office to explain your situation.

Students who cannot answer "yes" to one of the above questions are considered dependent and must complete their FAFSA as a dependent student by providing both parent and student information. Please feel free to contact Student Financial Services with any questions.

### 4. Verification and Other Documentation

Student Financial Services may request additional documentation to verify information provided on the FAFSA (e.g., parent tax returns, student tax returns, verification worksheet, etc.). The student's financial aid offer will not be complete until all requested documentation has been received and reviewed by Financial Aid. All student loan borrowers must complete an entrance and exit counseling session during which students will be advised on their loan obligations. In addition, starting with loans associated with the 2022–23 award year, the Department of Education's Annual Student Loan Acknowledgement process must be completed annually for the first loan a borrower receives for that award year.

### Student Eligibility Requirements

To be eligible for financial aid, the student must meet the following basic eligibility criteria:

1. Be a U.S. citizen or eligible non-citizen.
2. Maintain satisfactory academic progress. (Financial aid will be suspended until satisfactory academic progress is again achieved.)
3. Be enrolled in a degree program.
4. Not owe a refund on a Federal Pell Grant, or be in default on a Federal Student Loan or Parent Loan for Undergraduate Students (PLUS).
5. Sign a Statement of Educational Purpose, a Statement of Registration Status, and a Statement on Overpayments and Defaults.
6. For most programs, must demonstrate financial need.
7. Have a valid Social Security number (with the exception of students from the Republic of the Marshall Islands, Federated States of Micronesia, or the Republic of Palau).
8. Be enrolled at least half-time to be eligible for Direct Loan Program funds.

Students are eligible to receive financial aid as long as they maintain satisfactory academic progress as defined in this catalog. Students who fail to maintain satisfactory academic progress will be notified by Student Financial Services.

Financial need is the difference between the cost of the student's education (tuition and fees, room and board, books and supplies, transportation and personal expenses) and the total contribution expected from the student and his/her family. The student's total family contribution is based on an analysis

of the information which the student and/or parent supplied on the FAFSA. Some of the items considered are total family income, assets, the number of people in the household, and the student's own resources, such as earnings, savings and untaxed income which the student may receive. Johnson & Wales University also considers these items when determining eligibility for university funds.

## Graduate

To be considered for financial assistance, complete the steps listed below.

### 1. Federal Student Aid ID (FSA ID)

Students can apply online for a FSA ID. The FSA ID allows students to sign the FAFSA electronically and to correct previously processed FAFSA information online.

### 2. Free Application for Federal Student Aid (FAFSA)

The Free Application for Federal Student Aid is available online. This form must be completed as soon as possible after October 1.

The information for financial assistance is then processed by the federal processor and sent to Student Academic & Financial Services at the university. The FAFSA code for JWU is 003404.

### Student Eligibility Requirements

To be eligible for federal aid programs, the student must meet the following criteria:

1. Be a U.S. citizen or eligible non-citizen.
2. Maintain satisfactory academic progress. (Financial aid will be suspended until satisfactory academic progress is again achieved.)
3. Be enrolled in a degree program.
4. Not owe a refund on a Federal Pell Grant, or be in default on a Federal Student Loan or Parent Loan for Undergraduate Students (PLUS).
5. Sign a Statement of Educational Purpose, a Statement of Registration Status, and a Statement on Overpayments and Defaults.
6. For most programs, must demonstrate financial need.

Students are eligible to receive financial aid as long as they maintain satisfactory academic progress as defined in this catalog. Students who fail to maintain satisfactory academic progress will be notified by Student Financial Services.

## Federal Grants and Loans

Please see the appropriate tab for information regarding federal aid.

### Undergraduate

Students who register for a course that is not required for their program of study may experience an adjustment/reduction in financial aid. The university cannot offer financial aid for classes that do not count toward a student's degree requirements; therefore, a student's net tuition expense could be higher.

A student's enrollment in a program of study abroad approved for credit by the home school may be considered enrollment at the home school for the purpose of applying for assistance under the Title IV, HEA program.

#### Federal Pell Grant

The Federal Pell Grant is a federally funded entitlement program to assist qualified undergraduate students with exceptional financial need. Eligibility for these grants is determined by the U.S. Department of Education based on the information provided on the FAFSA. Pell recipients can attend at less-than-half-time status and remain eligible for a portion of their Pell Grant. Students with a previous bachelor's degree are not eligible for a Federal Pell Grant.

The maximum, full-time Pell Grant offer for the 2021–22 academic year (July 1, 2021 to June 30, 2022) was \$6,495. The maximum Pell Grant offer can change each academic year and depends on program funding. Further information may be obtained from the U.S. Department of Education.

The amount of Federal Pell Grant funds a student may receive over their lifetime is limited by law to be the equivalent of six years of Pell Grant funding. Since the maximum amount of Pell Grant funding the student can receive each year is equal to 100 percent, the six-year equivalent is 600 percent.

Campus-based financial aid programs, including the Federal Supplemental Educational Opportunity Grant (SEOG) and Federal Work-Study programs, are

administered by Johnson & Wales University. Students must annually apply for these programs through the filing of the FAFSA.

### Federal Supplemental Educational Opportunity Grant (SEOG)

This federally funded program provides financial assistance to qualified undergraduate students who demonstrate exceptional financial need. Amounts may vary based on the availability of funds. Students with a previous bachelor's degree are not eligible for SEOG.

### Federal Work-Study Program

Federal Work-Study (work-study) is a federally funded program that provides part-time employment to students with financial need. Due to limited funding, not all eligible students will receive work-study. Amounts may vary based on the availability of funds. Those interested in being considered for work-study are strongly encouraged to apply for financial aid as soon as the Free Application for Federal Student Aid (FAFSA) becomes available on October 1. Positions are available throughout the university and with selected off-campus community service agencies. Should a student not see work-study listed on their financial aid offer and be interested in a work-study position, please contact your Financial Planner to review eligibility and availability of funds.

Work-study gives students the opportunity to earn money to help pay for educational expenses. Students are paid an hourly rate for actual hours worked. The amount earned cannot exceed the total work-study award. Work-study funds are paid biweekly directly to the student; therefore, funds will not be applied to the student's account unless arrangements are made with Student Financial Services.

### William D. Ford Federal Direct Subsidized Loan

This loan program provides loans to undergraduate students who demonstrate financial need. First-time borrowers are required to complete a Master Promissory Note (MPN) and entrance counseling. The terms of any loan received by a student as part of the student's financial aid offer, a sample loan repayment schedule for sample loans, and the necessity for repaying loans will be explained in your entrance counseling. Both of these requirements can be completed online.

Students may borrow up to a maximum of \$3,500 per academic year for the first year of undergraduate study as new students, \$4,500 for the second year as sophomores, and \$5,500 per year for the third and fourth years as juniors and seniors. The student must begin repayment six months after he/she leaves the university or drops below half-time status. The amount of the student's monthly payment will be determined based upon the amount of student debt and the length of the repayment period. Please contact the Direct Lending Student Loan Support Center at 1-800-557-7394 for more information on repayment options. The average amount of undergraduate federal loan debt for a student borrower starting as a first-time student and receiving a bachelor's degree for FY2021 is \$27,629. Student borrowers with federal loan debt were 82% of the students receiving bachelor's degrees in FY2021 who started as first-time students at JWU.

For students who are first-time borrowers on or after July 1, 2013, there is a limit on the maximum period of time (measured in academic years) during which they can receive Direct Subsidized loans. Students may not receive Direct Subsidized loans for more than 150% of the published length of their program, known as their "maximum eligibility period." For example, if a student is enrolled in a four-year bachelor's degree program, the maximum period for which the student can receive Direct Subsidized loan is six years, or 150% of the program length. For more information, please contact the Financial Planning office.

### William D. Ford Federal Direct Unsubsidized Loan

Like the Direct Subsidized Loan program, this Direct Unsubsidized Loan program also offers loans to students. While most of the loan terms are the same as the subsidized loan program, there are some major differences:

1. Students do not have to demonstrate financial need to receive a Direct Unsubsidized Loan.
2. The federal government does not pay interest on the borrower's behalf while the borrower is enrolled in school.

During that time, the student borrower can choose between making quarterly interest payments or "capitalizing" interest. "Capitalizing" interest means that the lender will add interest accrued to the principal balance. This



will eliminate the need for interest payments while in school, but will result in a larger principal amount owed upon repayment.

### William D. Ford Federal Direct Parent Loan Program for Undergraduate Students (PLUS)

The Direct PLUS Program provides loans to parents of dependent students to attend college. PLUS borrowers do not have to demonstrate need, but must not have an adverse credit history. All students must complete the Free Application for Federal Student Aid (FAFSA) if their parents plan to borrow a PLUS loan. The parent must also complete the Direct PLUS Master Promissory Note (MPN); an MPN can be completed online. In addition, the parent must indicate how much they want to borrow. Repayment of this loan will begin within 30 days of the time the loan is fully disbursed annually, or the borrower can contact the Department of Education to request a deferment. The borrowing limit is the total cost of attendance, minus any financial aid being received.

### Increased Direct Unsubsidized Loan Limits for Independent Students and Dependent Students Whose Parents Don't Qualify for a PLUS

There are higher additional unsubsidized annual loan limits for independent undergraduate students. These higher additional unsubsidized loan limits also apply to dependent undergraduate students whose parents are unable to borrow PLUS loans due to adverse credit or other documented exceptional circumstances.

- \$3,500 combined subsidized and/or unsubsidized plus \$6,000 additional unsubsidized for independent first-year undergraduates
- \$4,500 combined subsidized and/or unsubsidized plus \$6,000 additional unsubsidized for independent second-year undergraduates
- \$5,500 combined subsidized and/or unsubsidized plus \$7,000 additional unsubsidized for independent third-, fourth- or fifth-year undergraduates

Starting with loans associated with the 2022–23 award year, the Department of Education's Annual Student Loan Acknowledgement process must be completed annually for the first loan a borrower receives for that award year. This confirmation process will now require student and parent borrowers to review how much they currently owe in federal student loans, and to acknowledge that they have reviewed this amount before a school can make a first disbursement of the first Direct Loan that a student or parent borrower receives for each new award year.

### Subsidized and Unsubsidized Total

#### Dependent Undergraduates (Excluding Dependent Students Whose Parents Don't Qualify for a PLUS)

Year	Range
First Year	\$3,500–5,500
Second Year; sophomore	\$4,500–6,500
Third Year and Beyond; junior, senior	\$5,500–7,500

#### Independent Undergraduates and Dependent Students Whose Parents Don't Qualify for a PLUS

Year	Range
First Year	\$3,500–9,500
Second Year; sophomore	\$4,500–10,500
Third Year and Beyond; junior, senior	\$5,500–12,500

Note: All undergraduate annual loan amounts are subject to proration.

Please note that students/borrowers remain responsible for the repayment of educational loans that they borrow, even if they are not successful in completing the educational program and/or obtaining employment.

No student is required to apply for, or accept, any particular type of financial aid.

Johnson & Wales University participates in the William D. Ford Federal Direct Loan Program. All Direct Loans and parent PLUS Loans will be borrowed from the US Department of Education.

Please note that the loan information described in this catalog is based upon the available information as of the date of the production of this catalog. Updated information regarding federal grants and loans may be obtained by visiting the U.S. Department of Education website.

Applications for these loans are available on the Direct Lending website.

Aid from these programs is awarded on the basis of financial need. In order to receive maximum consideration for financial assistance, it is recommended that the student apply as soon as possible after October 1. The award process for first-year students begins in November of each academic year. Renewal of financial aid is not automatic. Recipients are required to reapply each year by the announced deadline.

To be eligible for these programs, students must meet the following criteria:

For most programs, students must

1. Demonstrate financial need;
2. Maintain satisfactory academic progress (financial aid will be suspended until satisfactory academic progress is again achieved);
3. Be enrolled in an eligible degree or certificate program;
4. Be enrolled on at least a half-time (at least 6.0 semester credit hours) basis (students enrolled on a less-than-full-time basis may have their financial aid reduced; some students enrolled on a less-than-half-time basis may qualify for a Federal Pell Grant);
5. Be a U.S. citizen or eligible non-citizen;
6. Not owe a refund on a Federal Student Aid Grant (e.g., Federal Pell Grant, etc.) or be in default on a Federal Student Aid loan; and
7. Sign a Statement of Educational Purpose and a Statement on Overpayments and Defaults.

Students are eligible to receive federal and state financial aid as long as they maintain Satisfactory Academic Progress (SAP) as defined in the SAP (p. 322) section of the catalog and Student Handbook. Students who fail to maintain SAP will be notified by Student Financial Services. All federal and state financial aid will be suspended until satisfactory academic progress is again achieved.

### Return of Title IV Funds (Federal Aid)

The law specifies how Johnson & Wales (JWU) must determine the amount of Title IV program assistance that students earn if they withdraw from school. The Title IV programs that are covered by this law are Federal Pell Grants, Iraq and Afghanistan Service Grants, TEACH Grants, Federal Supplemental Educational Opportunity Grants (FSEOGs), Direct Loans, and Direct PLUS Loans (including Graduate PLUS Loans).

Though aid can be posted to accounts at the start of each period, students earn the funds as they complete the period. Students who withdraw during their payment period or period of enrollment are subject to a specific formula to determine the amount of Title IV program assistance that they have earned. Students who received (or JWU received) less assistance than the amount that they earned may be able to receive those additional funds in the form of a post-withdrawal disbursement. Students who received (or JWU received) more assistance than they earned must return the excess funds.

The amount of assistance earned is determined on a pro rata basis. For example, students who complete 30% of their payment period or period of enrollment earn 30% of the assistance they were originally scheduled to receive. Students who complete more than 60% of the payment period or period of enrollment earn all the assistance that they were scheduled to receive for that period. The amount of institutional assistance earned is based on the week that the student withdraws from the university and follows the percentage the university credits the student's charges. Specific examples of Return of Title IV Funds (Federal Aid) are available upon request via the JWU Consumer Information page contact.

In certain situations (i.e., module delivery), students may not be subject to returns of their Title IV program assistance if they successfully complete one of the following exemptions:

- all graduation requirements
- a class or multiple classes that comprise at least 49% of the days in the term
- a class or multiple classes that comprise at least half-time enrollment

Students who did not receive all funds earned may be due a post-withdrawal disbursement. If the post-withdrawal disbursement includes loan funds, JWU must receive the student's permission before the university can disburse them. Students may choose to decline some or all of the loan funds so that they don't incur additional debt. JWU may automatically use all or a portion of this post-withdrawal disbursement for tuition, fees, and room and board charges, but will email requesting the consent of the borrower (i.e., the

student or parent) to post the funds for all other institutional charges to the student's account.

Some Title IV funds cannot be disbursed once students withdraw because of other eligibility requirements. For example, first-time, first-year undergraduate students who have not completed the first 30 days of their program before they withdraw will not receive any Direct Loan funds that they would have received had they remained enrolled past the 30th day. Federal loans must be certified prior/on the student's last date of attendance.

Students (or JWU or parents on behalf of students) who receive excess Title IV program funds must return a portion of the excess funds equal to the lesser of

- institutional charges multiplied by the unearned percentage of funds, or
- the entire amount of excess funds

JWU must return this amount even if it didn't keep this amount of the student's Title IV program funds. If JWU is not required to return all of the excess funds, students may be required to return the remaining amount.

Students (or parents for a Direct PLUS Loan) will repay any loan funds that must be returned in accordance with the terms of the promissory note. That is, students will not be required to repay any loan funds immediately, but instead, will make scheduled payments to the holder of the loan over a period of time.

Any amount of unearned grant funds that students must return is referred to as an overpayment. The maximum amount of a grant overpayment that students must repay is half of the grant funds received or were scheduled to receive. Students do not have to repay a grant overpayment if the original amount of the overpayment is \$50 or less. Students must make arrangements with JWU or the Department of Education to return the unearned grant funds.

The requirements for Title IV program funds when students withdraw are separate from any refund policy that JWU may have. Therefore, students may still owe funds to JWU to cover unpaid institutional charges. JWU may also charge students for any Title IV program funds that JWU was required to return.

Refer to the University Withdrawal Credit Policy (p. 330) for more information regarding JWU's institutional refund policy.

## Graduate

Students who register for a course that is not required in their program of study may experience an adjustment/reduction in financial aid. The university cannot offer financial aid for classes that do not count toward a student's degree requirements; therefore, a student's net tuition expense could be higher.

A student's enrollment in a program of study abroad approved for credit by the home school may be considered enrollment at the home school for the purpose of applying for assistance under the Title IV, HEA program.

### William D. Ford Federal Direct Unsubsidized Loan

This loan program offers low-interest loans to students who demonstrate little or no financial need. The federal government does not pay the interest on the borrower's behalf while the borrower is enrolled in school. During that time, the student borrower can choose to make quarterly interest payments, or to "capitalize" interest. "Capitalizing" means the lender will add interest accrued to the principal balance. This will eliminate the need for interest payments while in school. A Master Promissory Note for these loans is located online. Loans made under federal loan programs are applied to the student's account with the university in equal disbursements per semester based on the loan period and the student's entrance date.

Students should check with their financial planner to determine their maximum annual loan amount. Students must begin repayment six months after they leave college or drop below half-time status. The interest on the loan is not subsidized during the student's six-month grace period. The amount of the student's monthly payment will be determined based upon the amount of the student's debt and the length of the student's repayment. The average amount of federal loan debt for a student borrower receiving a graduate degree for FY2021 is \$41,968. Graduate student borrowers with federal loan debt were 59% of the students receiving graduate degrees in FY2021.

Starting with loans associated with the 2022–23 award year, the Department of Education's Annual Student Loan Acknowledgement process must be completed annually for the first loan a borrower receives for that award year.

All MPN confirmation processes will now require student borrowers to view how much they currently owe in federal student loans, and to acknowledge that they have seen this amount before a school can make a first disbursement of the first Direct Loan that a student or parent borrower receives for each new award year.

Campus-based financial aid programs, including Federal Work-Study programs, are administered by Johnson & Wales University. Students must annually apply for these programs through the filing of the FAFSA.

### Federal Teacher Education Assistance for College and Higher Education (TEACH) Grant

The TEACH Grant Program provides grants of up to \$4,000 a year to students who are completing or plan to complete coursework needed to begin a career in teaching.

Processing fees for federal programs are assessed annually and will reduce the award amount for which a recipient would otherwise have been eligible. For example:

- For any 2021–22 TEACH Grant first disbursed on or after Oct. 1, 2021, and before Oct. 1, 2022, the maximum award of \$4,000 is reduced by 5.7% (\$228), resulting in a maximum award of \$3,772.

As a condition for receiving a TEACH Grant, students must sign a TEACH Grant *Agreement to Serve or Repay* (Agreement) in which they agree (among other requirements) to teach

- in a high-need field;
- at an elementary school, secondary school, or educational service agency that serves students from low-income families; and
- for at least four complete academic years within eight years after completing (or ceasing enrollment in) the course of study for which they received the grant.

**Note:** TEACH Grant recipients who do not meet the requirements of their service obligation will have all TEACH Grants converted to Direct Unsubsidized Loans. Students must repay these loans in full, with interest charged from the date of each TEACH Grant disbursement.

The Department of Education has established a process for certain TEACH Grant recipients whose TEACH Grants were converted to Direct Unsubsidized Loans to request reconsideration of the conversions. TEACH Grant recipients can request a reconsideration if they met or are meeting the TEACH Grant service requirements within the eight-year service obligation period, but had their grants converted to loans because they did not comply with the annual certification requirement.

Students must meet the teaching requirements within eight years of completing the program for which the TEACH Grant was awarded. The student is required to sign a service agreement to this effect and complete all required counseling to receiving a TEACH Grant.

To be eligible for a TEACH Grant, students must do the following:

- Meet the basic eligibility criteria for the federal student aid programs.
- Complete the *Free Application for Federal Student Aid* (FAFSA) form.
- Be enrolled in a TEACH-Grant-eligible program.
- Meet certain academic achievement requirements (generally, scoring above the 75th percentile on one or more portions of a college admissions test or maintaining a cumulative GPA of at least 3.25).
- Receive TEACH Grant counseling that explains the terms and conditions of the TEACH Grant service obligation. TEACH Grant recipients must complete counseling each year that they receive a TEACH Grant.
- Sign a TEACH Grant *Agreement to Serve or Repay* (Agreement).

*Students considering a TEACH Grant should review additional information about the program.*

### Federal Work-Study Program

Federal Work-Study (work-study) is a federally funded program that provides part-time employment to students with financial need. Due to limited funding, not all eligible students will receive work-study. Amounts may vary based on the availability of funds. Those interested in being considered for work-study are strongly encouraged to apply for financial aid as soon as the Free Application for Federal Student Aid (FAFSA) becomes available on October 1. Positions are available throughout the university and with selected off-campus community service agencies. Should a student not see work-study listed on their financial aid offer and be interested in a work-study position,



please contact your Financial Planner to review eligibility and availability of funds.

Work-study gives students the opportunity to earn money to help pay for educational expenses. Students are paid an hourly rate for actual hours worked. The amount earned cannot exceed the total work-study award. Work-study funds are paid biweekly directly to the student; therefore, funds will not be applied to the student's account unless arrangements are made with Student Financial Services.

### Return of Title IV Funds

The law specifies how Johnson & Wales (JWU) must determine the amount of Title IV program assistance that students earn if they withdraw from school. The Title IV programs that are covered by this law are Federal Pell Grants, Iraq and Afghanistan Service Grants, TEACH Grants, Federal Supplemental Educational Opportunity Grants (FSEOGs), Direct Loans, and Direct PLUS Loans (including Graduate PLUS Loans).

Though aid can be posted to accounts at the start of each period, students earn the funds as they complete the period. Students who withdraw during their payment period or period of enrollment are subject to a specific formula to determine the amount of Title IV program assistance that they have earned. Students who received (or JWU received) less assistance than the amount that they earned may be able to receive those additional funds in the form of a post-withdrawal disbursement. Students who received (or JWU received) more assistance than they earned must return the excess funds.

The amount of assistance earned is determined on a pro rata basis. For example, students who complete 30% of their payment period or period of enrollment earn 30% of the assistance they were originally scheduled to receive. Students who complete more than 60% of the payment period or period of enrollment earn all the assistance that they were scheduled to receive for that period. The amount of institutional assistance earned is based on the week that the student withdraws from the university and follows the percentage the university credits the student's charges. Specific examples of Return of Title IV Funds (Federal Aid) are available upon request via the JWU Consumer Information page contact.

In certain situations (i.e., module delivery), students may not be subject to returns of their Title IV program assistance if they successfully complete one of the following exemptions:

- all graduation requirements
- a class or multiple classes that comprise at least 49% of the days in the term
- a class or multiple classes that comprise at least half-time enrollment

Students who did not receive all funds earned may be due a post-withdrawal disbursement. If the post-withdrawal disbursement includes loan funds, JWU must receive the student's permission before the university can disburse them. Students may choose to decline some or all of the loan funds so that they don't incur additional debt. JWU may automatically use all or a portion of this post-withdrawal disbursement for tuition, fees, and room and board charges, but will email requesting the consent of the borrower to post the funds for all other institutional charges to the student's account.

Some Title IV funds cannot be disbursed once students withdraw because of other eligibility requirements. Federal loans must be certified prior/on the student's last date of attendance.

Students who receive (or JWU receives) excess Title IV program funds must return a portion of the excess funds equal to the lesser of

- institutional charges multiplied by the unearned percentage of funds, or
- the entire amount of excess funds

JWU must return this amount even if it didn't keep this amount of the student's Title IV program funds. If JWU is not required to return all of the excess funds, students may be required to return the remaining amount.

Students will repay any loan funds that must be returned in accordance with the terms of the promissory note. That is, students will not be required to repay any loan funds immediately, but instead, will make scheduled payments to the holder of the loan over a period of time.

Any amount of unearned grant funds that students must return is referred to as an overpayment. The maximum amount of a grant overpayment that students must repay is half of the grant funds received or were scheduled to receive. Students do not have to repay a grant overpayment if the original

amount of the overpayment is \$50 or less. Students must make arrangements with JWU or the Department of Education to return the unearned grant funds.

The requirements for Title IV program funds when students withdraw are separate from any refund policy that JWU may have. Therefore, students may still owe funds to JWU to cover unpaid institutional charges. JWU may also charge students for any Title IV program funds that JWU was required to return.

Refer to the University Withdrawal Credit Policy (p. 330) for more information regarding JWU's institutional refund policy.

## State Grants

Students from the following states may be eligible for state grants contingent upon residency and campus location. Please refer to a campus catalog for more information.

- Delaware
- North Carolina
- Rhode Island
- Vermont

Contact the higher education authority in your home state for more information.

## Institutional Aid

Please see the appropriate tab for information regarding institutional aid.

### Undergraduate

#### Johnson & Wales University Grant

This grant is offered to students upon completion of the Free Application for Federal Student Aid (FAFSA) and is based on the annual financial aid awarding process and the student's financial need.

#### Financial Assistance, Scholarship and Federal Work Programs

Awards range from \$500 to full tuition. Scholarships, grants, loans and federal work programs offered depend on the university budget, and are dependent on students meeting program eligibility requirements. These programs are only available to full-time, undergraduate, day school students during the academic year. Check with Student Financial Services for summer eligibility. Students studying through the College of Professional Studies are eligible for a limited amount of JWU institutional aid based on a set criteria. Note: Scholarship funds are applied to the student's account with the university in two equal disbursements by semester (e.g., a \$3,000 Presidential Academic Scholarship recipient would receive \$1,500 per semester).

Most admission/merit scholarships are renewable for up to four consecutive years of full-time, undergraduate, day school enrollment.

**Important Note:** Student eligibility is based on a maximum total dollar amount of scholarships, grants, awards, prizes and other aid that the university will award to a single student during a given academic year. The maximum amount is determined prior to each year's financial aid awarding process and includes both university-funded and -administered monies. Please contact Student Financial Services for further information regarding this maximum eligibility.

#### Business Professionals of America Scholarship (BPA)

The university offers a number of BPA scholarships to any accepted incoming student ranging from \$1,000 up to \$7,500. Awards are based on BPA activities and academic record, and are renewable based on continued involvement in and support of BPA. Apply for admission online and indicate membership.

#### Careers through Culinary Arts Program (C-CAP) Scholarship

The university awards renewable scholarships of up to full tuition to accepted incoming students who participate in C-CAP's competition events. Applications are available through C-CAP. All documentation must be submitted to C-CAP and all finalists are selected by C-CAP.

#### Culinary Essentials Scholarship

The university awards a number of \$1,000 renewable scholarships to accepted incoming students who have participated in the Culinary Essentials curriculum. Apply for admission online and indicate your participation. Amount of scholarships awarded for participation in specific high school curricula is limited to one per student.

### **DECA Scholarship**

The university awards a number of DECA scholarships to accepted incoming students ranging from \$1,000 up to full tuition. Awards are based on DECA activities and academic record, and are renewable based on continued involvement in and support of DECA. Apply for admission online and indicate membership. The deadline for full tuition scholarship eligibility is January 1, prior to enrollment.

### **Distinguished Visiting Professor/Chef Scholarship**

Currently enrolled students are eligible to receive this up-to-\$2,000 renewable scholarship based upon academic standing and faculty recommendations.

### **Early Visit Grant**

Incoming undergraduate first-year students who visit a JWU campus prior to September 1 of their senior year of high school are eligible for this up-to-\$1,000 renewable scholarship. First-year domestic and international students are eligible for the award, regardless of financial need.

### **Employee Tuition Waiver Benefit**

These scholarships are based on institutional policy, with qualifying criteria stated in the Johnson & Wales University staff handbook and faculty manual. Applications are available in Human Resources & Payroll or via the Documents & Forms page of HRpulse.

### **Family, Career and Community Leaders of America (FCCLA) Scholarship**

The university awards a number of FCCLA (formerly FHA-HERO) scholarships to accepted incoming students ranging from \$1,000 up to full tuition. Awards are based on FCCLA activities and academic record, and are renewable based on continued involvement in and support of FCCLA activities. Apply for admission online and indicate membership. The deadline for full tuition scholarship eligibility is January 1, prior to enrollment.

### **Family Scholarship**

If two or more members of your family are simultaneously enrolled in full-time undergraduate day school degree programs at Johnson & Wales University, each enrolled student is granted as much as a \$2,000 university scholarship per academic year (September–May). Whether this scholarship is renewable is contingent upon continued enrollment of both siblings in an eligible program. For more information, contact Student Financial Services.

### **Future Business Leaders of America (FBLA) Scholarship**

The university awards a number of FBLA scholarships to accepted incoming students ranging from \$1,000 up to full tuition. Awards are based on FBLA activities and academic record, and are renewable based on continued involvement in and support of FBLA. Apply for admission online and indicate membership. The deadline for full tuition scholarship eligibility is January 1, prior to enrollment.

### **International Presidential Scholarship**

JWU awards academic scholarships to accepted incoming international students who have a minimum grade point average of 3.0 or a "B". These awards vary and are renewable up to four years of full-time, undergraduate day school study. Eligibility is determined during the review of your admission application. For more information about scholarships, contact your JWU representative.

### **Junior Achievement (JA) Scholarship**

The university offers a number of JA scholarships to accepted incoming students ranging from \$1,000 up to \$2,000. Awards are based on JA activities and academic record, and are renewable based on continued involvement in and support of JA activities. Apply for admission online and indicate membership.

### **Lodging Management Scholarship**

JWU offers a number of \$1,000 renewable scholarships to accepted incoming students who have participated in the Lodging Management curriculum. Apply for admission online and indicate your participation. Amount of scholarships awarded for participation in specific high school curricula is limited to one per student.

### **National Academy Foundation (NAF) Scholarship**

The university awards a number of \$1,000 renewable scholarships to accepted incoming students who have participated in a National Academy Foundation program. Apply for admission online and indicate your participation. Amount of scholarships awarded for participation in specific high school curricula is limited to one per student.

### **National FFA Scholarship**

Johnson & Wales University awards a number of FFA scholarships to accepted incoming students ranging from \$1,000 up to \$7,500. Awards are based on FFA activities and academic record, and are renewable based on continued involvement in and support of FFA. Apply for admission online and indicate membership.

### **Presidential Academic Scholarships**

JWU awards academic scholarships to accepted incoming students who are in the top third of their class, have a 3.0 high school GPA and demonstrate academic excellence. These awards vary and are renewable up to four years of continuous full-time day school enrollment.

### **ProStart<sup>®</sup> Scholarship**

JWU offers a number of \$1,000 renewable scholarships for accepted incoming students who have participated in the ProStart curriculum. Apply for admission online. Amount of scholarships awarded for participation in specific high school curricula is limited to one per student.

### **Segal AmeriCorps Education Award**

JWU will match the Segal AmeriCorps Education Award, dollar for dollar, for those students that completed the program in Providence, Rhode Island. Eligible participants must attend a JWU undergraduate full-time day program at one of our four campuses.

### **SkillsUSA Scholarship**

The university awards a number of SkillsUSA scholarships to accepted incoming students ranging from \$1,000 up to full tuition. Awards are based on SkillsUSA activities and academic record, and are renewable based on continued involvement in and support of SkillsUSA. Apply for admission online and indicate membership. The deadline for full tuition scholarship eligibility is January 1, prior to enrollment.

### **Technology Student Association (TSA) Scholarship**

The university awards a number of TSA scholarships to accepted incoming students ranging from \$1,000 up to \$7,500. Awards are based on TSA activities and academic record, and are renewable based on continued involvement in and support of TSA. Apply for admission online and indicate membership.

### **Transfer Scholarship**

An unlimited number of transfer scholarships up to \$14,000 are awarded to accepted incoming students who plan to continue their education at Johnson & Wales in an associate or bachelor's degree program. Students must have completed 30 semester hours at another institution and maintained a minimum 2.5 cumulative average. The scholarship application is the application for admission to the university.

### **Tuition Exchange Scholarship**

Johnson & Wales University extends to children of eligible employees at participating Tuition Exchange (TE) institutions the opportunity to apply for a TE scholarship. TE is a reciprocal scholarship program for qualified children of faculty and staff employed at more than 600 participating colleges and universities. A student accepted as a Tuition Exchange scholarship recipient may be awarded up to full tuition at JWU. Applications are available at the participating institution. A complete list of colleges and universities that are part of the program is available online.

### **Funded/Donated Scholarships**

Johnson & Wales University administers donated scholarships which are funded by businesses, individuals and professional organizations. In many cases, students must have completed at least one semester of enrollment at Johnson & Wales to be considered. These funds are awarded to eligible candidates based on established criteria.

View the complete list of JWU scholarships, get more information and download applications online.

## **Graduate**

### **Pre-Master's Scholarship**

Students who successfully complete the Pre-Master's program with the required minimum 3.0 GPA needed to enter the MBA or M.S. program, will receive a nonrenewable \$2,000 Pre-Master's scholarship awarded over the length of the program. The Pre-Master's program is only offered on the Providence Campus.

## Outside Scholarships

There are many other potential scholarship sources that students should consider to help finance their education. Students should contact the higher education assistance agency in their home state for information about the possibility of state grants or scholarships. It is recommended that students apply for outside scholarships as soon as possible since most organizations have early application deadlines.

Scholarship aid is often available from high school and community organizations with which students or their parent(s) may be affiliated. Local libraries are excellent resources for finding information on scholarships from organizations throughout the United States. There are also a number of websites available to assist students in the scholarship search.

JWU has partnered with ScholarshipUniverse to help students match with external scholarships based on their personal profile. In addition to institutional scholarships below for which they may qualify, all Wildcats are encouraged to explore this free tool to discover opportunities that help fund their education. Check back often, as scholarships are updated frequently.

Please also visit iGrad via jwuLink to view the Scholarship Center.

Many companies provide scholarship aid for children of their employees, while others provide aid directly to students who work for them part time while in school.

View the complete list of JWU scholarships, get more information and download applications.

### American Hotel & Lodging Educational Foundation

Scholarship aid is allocated each year by the American Hotel & Lodging Educational Foundation to the College of Hospitality Management. Awards are made on the basis of student intent to work in the hotel industry, cumulative average and need. Sophomores who are continuing their education should contact their faculty advisor for further information. The foundation also offers numerous scholarships for culinary arts majors.

## Work Programs

### Resident Assistant Program

Students are selected for this program based on strong academic performance and residence hall experience. Applications and additional information regarding the program are available at Residential Life.

Note: There are many complex IRS regulations regarding the taxability of scholarships and grants. The university is not in a position to determine the tax consequences of such awards in the case of any particular student. It is recommended that all students consult IRS publication 970 entitled "Tax Benefits for Education" and their tax adviser to determine how these rules apply to them. Nonresident alien students with an F-1, J-1 or Q-1 visa will be subject to U.S. income tax withholding on any grant received for room and board.

**Important notice for international students:** Please be aware that some of the above programs offer a room and board grant for eligible summer participants. Nonresident alien students with an F-1, J-1 or Q-1 visa will be subject to U.S. income tax withholding on any grant received for room and board.

## Financial Obligations

Continued enrollment as a student in good standing and certain other student benefits (diplomas, transcripts, etc.) are conditioned upon being current in all financial obligations to the university, including loans in which the university appears as a holder or guarantor.

## Financial Planning

The university understands that financing an education can be a very complex process for many students. To assist with this process, financial planning counselors are available to work with students and their families on an individual basis to help them best utilize their own funds and other available resources to meet educational expenses.

For more information and assistance, contact Student Financial Services at the campus where you plan to enroll.

Federal financial aid is not available to international students. International students must provide sufficient evidence of financial support to receive an

I-20. The university offers scholarships based on academic merit through the admissions process. International students can contact the EducationUSA advising center in their country to learn more about opportunities for financial assistance.

## Other Fees

The fees below are only approximate costs and could be higher or lower depending on the student's needs. These expenses should be understood prior to enrolling for budget/planning purposes.

### Off-campus Housing

The out-of-pocket cost for housing for students not residing with parent(s) is approximately \$7,500 per academic year. For those students residing with parent(s) the out-of-pocket cost is approximately \$5,500 per academic year. These costs are determined annually and are not applied to the student's invoice.

### Off-campus Meals

The out-of-pocket cost for meals for students not residing with parent(s) is approximately \$2,750 per academic year. For those students residing with parent(s) the out-of-pocket cost is approximately \$2,000 per academic year. These costs are determined annually and are not applied to the student's invoice.

### Books and Supplies

The out-of-pocket cost for books and supplies is approximately \$1,400 per academic year. These costs are not applied to the student's invoice. Books and supplies can be purchased at the university's bookstores, online or through other venues where available. The bookstores operate a textbook sales/buyback program to help students minimize these costs. However, textbook rentals at the bookstore or online bookstore are typically the least expensive option for students.

### General Transportation Expenses

The out-of-pocket transportation expense is approximately \$1,000 per academic year. These costs are determined annually by the university and are not applied to the student's invoice.

### Personal Expenses

The out-of-pocket personal expense is approximately \$1,000. These costs are determined annually by the university and are not applied to the student's invoice.

## Payment Options

Students are responsible for paying all charges in full or making appropriate arrangements by the published fall semester due dates listed below.

### June 29, 2022

- New Undergraduate
- Returning Undergraduate

### July 27, 2022

- College of Professional Studies
- International Students

### Semester Payments

Students may make two payments per academic year. The fall due dates for each program are listed above. Please refer to your invoice for future due dates.

### Monthly Payments

Students may choose to pay the annual amount due in convenient monthly payments. This option is available through jwuLink. There is an enrollment fee to participate. Most plans are essentially interest free, but some accounts may incur late fees, reinstatement fees or other fees. Students interested in this option must contract with Nelnet Campus Commerce and pay the first payment, in addition to the enrollment fee, by the fall published due dates listed above.

### William D. Ford Federal Direct Parent Loan Program for Undergraduate Students (PLUS)

The Direct PLUS Program provides loans to parents of dependent students to attend college. PLUS borrowers do not have to demonstrate need, but must not have an adverse credit history. All students must complete the Free Application for Federal Student Aid (FAFSA) if their parents plan to borrow a

PLUS Loan. The parent must also complete the Direct PLUS Master Promissory Note (MPN); an MPN can be completed online. In addition the parent must indicate how much they want to borrow. Repayment of this loan will begin within 30 days of the time the loan is fully disbursed annually, or the borrower can contact the Department of Education to request a deferment. The borrowing limit is the total cost of attendance, minus any financial aid being received.

### Private Loans

Private loans, also known as alternative loans, are used by students and families to bridge the gap between the cost of education and the financial aid award. These loans are for credit-worthy borrowers and are not based on financial need. See Private Loans for more information.

All Johnson & Wales University students must fulfill their financial obligations to the university by the published due dates listed above. (All off-semester entrants must meet the financial obligation by the published date for that semester.)

To meet their financial obligations, students must do one of the following by the published due date:

- Make a full semester payment.
- Contract with Nelnet Campus Commerce and pay the first monthly payment, as well as the enrollment fee.
- Have an approved loan that covers the annual balance.
- Have an approved payment plan with Student Financial Services using a combination of the above options.

Students who do not fulfill their financial obligation by the published due date will not be able to select their housing assignment. In addition, students' class schedules for the 2022–23 academic year may be revoked.

## Refund Policies

### General Policy

To the extent that any charges due to the university remain unpaid, no refund check will be issued. No tuition or fees (other than the reservation fee for undergraduate students) will be assessed for semesters that the student does not begin. Students who withdraw from the university prior to the end of the academic year may have their financial aid adjusted. Institutional grants and scholarships, where applicable, will be reduced in proportion to any tuition credit received as defined in the university's Withdrawal Credit Policy (p. 330). The distribution formula for refunds to the Federal Student Financial Aid program will be calculated according to federal regulations. The university's Withdrawal Credit Policy applies to all withdrawals from the university, voluntary or involuntary.

### Unofficial Withdrawal from the University

Federal regulations require that a student who begins attendance but fails to earn a passing grade in at least one course in any semester and does not officially withdraw shall be considered as having unofficially withdrawn from the university unless the university can document that the student completed at least 60% of the period of enrollment and earned the grade of F. A student must be engaged in academically related activities beyond 60% of the enrollment period to retain eligibility for federal, institutional and external financial aid. If a student was not engaged in an academically related activities beyond 60%, they will be assigned a withdrawal date based on the last date of an academically related activity. All other instances when a student withdraws without providing official notification will be the 60% point of the period of enrollment, as applicable. A student who does not earn at least one passing grade during a semester for which federal funds were disbursed will have a Return of Title IV Funds calculation performed to determine how much of the federal funds were earned. Unearned federal funds must be returned to the source, in most cases with a charge to the student's university account.

University enrollment disputes must be submitted online within 30 days after the end of the semester during which the student was enrolled. To submit a dispute, students must complete the appropriate form online. No adjustments to tuition and fees or financial aid will be made until the dispute is researched and either approved or denied. No disputes will be considered after 30 days from the end of the semester in which the student was enrolled.

Decisions will be made within 10 business days and students will receive notification via the email address provided on the dispute form.

\* Any student enrolled solely in culinary lab courses, who fails to attempt any of the scheduled courses, may be considered to have withdrawn from the university.

## Tuition Refund Policy

Semester charges are defined as tuition and, if applicable, room and meals.

Tuition is applicable to all students, including those in approved off-campus programs such as study abroad and internships. Student Health Insurance, Program Fees, Wildcat Meals, New Student Fee, Student Activity Fee, Uniform & Supplies Fee and International Student Services Fee are nonrefundable, if applicable. To the extent that any charges due to the university remain unpaid, no refund check will be issued. No tuition or fees will be assessed for semesters for which the student does not register or enroll. Students who withdraw (or become withdrawn) from the university prior to the end of the academic year may have their financial aid adjusted, if applicable. Institutional grants and scholarships will be reduced in proportion to any tuition credit received.

## University Withdrawal Credit Policy

The distribution formula for the institutional refund to the Federal Student Financial Aid program will be calculated according to federal regulations. Any refund due will be issued within 45 days after the date that the university was first notified of the withdrawal. Examples of university refund policies are available upon request in Student Financial Services. Please note: **The below policies do not apply to the online students in the College of Professional Studies (CPS). The withdrawal credit policy for online students in CPS is available in the CPS Catalog.**

### If an undergraduate student withdraws from the university

- prior to the start of the semester, the university will credit 100% of the semester charges. If eligible, all institutional aid/scholarships for that semester will also be returned.
- during the first and second week of the semester, the university will credit 90% of the semester charges. All university fees (including Student Health Insurance) are nonrefundable. If eligible, all institutional aid/scholarships for that semester will be adjusted to 10%.
- during the third or fourth week of the semester, the university will credit 50% of the semester charges. All university fees (including Student Health Insurance) are nonrefundable. If eligible, all institutional aid/scholarships for that semester will be adjusted to 50%.
- during the fifth or sixth week of the semester, the university will credit 25% of the semester charges. All university fees (including Student Health Insurance) are nonrefundable. If eligible, all institutional aid/scholarships for that semester will be adjusted to 75%.

After the sixth week of the semester, students will be responsible for 100% of the semester charges and may receive up to 100% of that semester's eligible institutional aid and scholarships.

### If a graduate student withdraws from the university within a 16-week semester or an eight-week session within the semester

- prior to the start of the semester and during the first and second week of the semester, Fall I or Fall II, Spring I or Spring II, or Summer I or Summer II, the university will credit 100% of all charges. If applicable, all financial aid will be returned.
- after the second week of the semester, Fall I or Fall II, Spring I or Spring II, or Summer I or Summer II, the student will be responsible for 100% of all charges. If applicable, financial aid will be adjusted based on federal guidelines.
- after the sixth week of the 16-week semester, students will be responsible for 100% of the semester charges and will receive 100% of that semester's eligible institutional aid and scholarships.

### If a graduate student withdraws from the university within a 16-week semester and is living on campus

- during the first and second week of the semester, the university will credit 90% of the semester's room and meal charges.
- during the third or fourth week of the semester, the university will credit 50% of the semester's room and meal charges.



- during the fifth or sixth week of the semester, the university will credit 25% of the semester's room and meal charges.
- after the sixth week of the semester, students will be responsible for 100% of the semester's room and meal charges.

Financial aid will be adjusted based on the Return of Title IV regulations.

**Please note: Student Health Insurance is nonrefundable.**

Add/Drop is defined as adding and dropping any number of courses but maintaining active registration in at least one other course in the semester. For courses offered on campus students may add or drop a course by the following deadline:

- College of Food Innovation & Technology labs (that meet twice a week or consecutively):
  - Add/Drop Deadline: Thursday week 1 of the semester
- All other courses:
  - Add/Drop Deadline: Thursday week two of the semester.

Add/Drop deadlines are outlined on the academic calendar (p. 6).

While some classes including culinary or baking and pastry laboratory classes begin later than the first week of classes, the Add/Drop period at the beginning of the semester applies to all classes regardless of the start date of the lab or course. If a student does not drop a lab or course during the Add/Drop period, full tuition charges will be assessed.

For online and hybrid courses, students may add a course by the first Saturday of the course session or drop by the second Saturday of the course session. An official add or drop must be completed via jwuLink or with Student Academic Services.

Whenever students participate in add/drop, their financial aid and account charges may be adjusted. Students are encouraged to visit or consult Student Financial Services to review the potential impact, especially if their enrollment status changes to or from part time/full time.

**University Enrollment Dispute**

Students who leave the university due to extenuating circumstances without officially withdrawing may submit a university enrollment dispute within 30 days after the end of the semester in dispute. No withdrawal disputes will be considered after that time. Students must present supporting documentation that demonstrates serious and compelling reasons justifying the withdrawal, and extenuating circumstances justifying its retroactive nature. No adjustments to tuition and fees or financial aid will be made until the dispute is researched and either approved or denied. Decisions will be made within 10 business days; students will receive notification via an email sent to the email address they provided on the dispute form.

**Withdrawal Policy for Study Abroad Programs**

Students are held financially responsible for their commitment status to the Study Abroad program on the date listed below for the semester or break period in which the Study Abroad program starts. Any withdrawal from the university or Study Abroad after that date will result in Study Abroad late withdrawal penalties posted to the Johnson & Wales student's account.

Dates on which commitment status carries financial responsibility:

- **June 1** for programs starting in fall semester
- **November 1** for programs starting in spring semester and spring break
- **March 15** for programs starting in summer

**If a student withdraws prior to** the date listed above, there are no financial penalties.

**If a student withdraws after** the date listed above, the student will be charged for a portion of the program cost. The amount that will be charged is based on the date of withdrawal as well as the program start date. Please refer to the Withdrawal/Fee Chart below for exact amounts:

<b>If you withdraw after the Commitment date above and:</b>	<b>The late withdrawal penalty is:</b>
76+ days before program start date	\$500
60–75 days before program start date	\$1,000
30–59 days before program start date	\$1,500
15–29 days before program start date	\$3,000
1–14 days before program start date	\$4,000

On or after program start date	Balance of full program (in addition, financial aid may need to be adjusted if applicable)
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If the program host withdrawal fees exceed JWU's withdrawal penalty, the student is responsible for reimbursing JWU for those additional fees, which were paid by JWU on the student's behalf in anticipation of committed participation in the program.

All withdrawals must be in writing via letter or email to JWU Study Abroad at studyabroad@jwu.edu. A telephone call will not be sufficient. The date on which the email or letter is received will be the formal date of the withdrawal.

This withdrawal policy applies to withdrawals or dismissals from the program for any reason. If withdrawn or dismissed because of failure to meet financial or academic requirements, or due to violations of the Student Code of Conduct, the effective date will be determined by JWU.

In the case of withdrawal or dismissal after the program start date, the student must separate from the program and make their own travel or housing arrangements, at personal expense, for departure from the program.

**Tuition and Fees**

The following estimated tuition and fees schedule is effective for the 2022–23 academic year and is subject to change annually.

**Undergraduate Tuition**

Tuition is applicable to all students, including those in approved off-campus programs such as Study Abroad and internships. Students enrolled in courses in excess of a normal full-time schedule will be assessed an additional tuition charge. For purposes of tuition billing and financial aid eligibility, full-time status is determined on a semester basis and consists of 12 to 18 credit hours per semester. Students carrying more than 18 credit hours will be charged for each credit over 18, unless they meet eligibility for the Special Honors and Rewards Program (SHARP). When repeating courses already attempted, students may be assessed a fee for those courses. Students are assessed tuition upon course registration each semester. Summer is considered a separate term. The semester credit hour rate is \$1,053.

**Statement Regarding Tuition & Fees**

Solely for avoidance of doubt, the tuition and fees students pay the university will not be discounted, irrespective of any changes in the manner or mode of learning or changes to any activities, events or programs (including revision, postponement or cancellation of same) at any time during the academic year; the manner or mode of learning could include on-ground learning, remote learning, or a combination of the two; it could include fewer classes or restructured classes; and it could include changes mid-semester (as just a few examples of possible changes). Please understand that the university, like other schools, is subject to multiple factors outside of its control, including effects stemming from the pandemic and applicable local, state and federal law and guidance related to the pandemic, which factors could significantly alter, limit or curtail our operations.

Annual Tuition	\$37,896
New Student Fee*	\$396
Student Activity Fee	\$200
Uniform & Toolkit Fee (College of Food Innovation & Technology)**	\$300
Uniform & Toolkit Fee (Dietetics & Applied Nutrition)**	\$220
Wildcat LEAP Fee***	\$8,480
New International Student Services Fee****	\$1,322
Student Health Insurance	\$2580
Room Only	
Block A	\$13,734
Block B	\$13,122
Block C	\$12,212
Block D	\$11,676
Meal Plans*****	
18 meals per week/\$300 annual flex dollars	\$5,200



14 meals per week/\$600 annual flex dollars	\$5,026
Professional Craft Brewing Certificate	\$371 per credit hour (\$1,113 per 3 credit course)
Postbaccalaureate Pre-Medical & Pre-Health Professions Program	\$495 per credit hour (\$1485 per 3 credit class)
<b>Course Fees</b>	
HOSP3085 & TRVL3035	\$750

- \* The new student fee is charged the first semester of enrollment and is not applicable to international students.
- \*\* Students enrolled in the College of Food Innovation & Technology (CFIT) and Dietetics & Applied Nutrition will be assessed a nonrefundable uniform & toolkit fee during the first two semesters of enrollment. This fee ensures students in these programs begin their college careers with the same professional appearance and educational materials needed for a successful academic experience.
- \*\*\* Wildcat LEAP (Learning Effectiveness in Action Program) is a fee-based educational program designed to develop specific strategies to enhance learning. The program includes one-on-one support, small group instruction, and a **three-credit course** available only to LEAP participants. Please refer to Student Support Services to learn more about the program.
- \*\*\*\* Providence Campus international students will be assessed an International Student Services Fee of \$1,322 per academic year or \$661 per semester. The fee will cover necessary services that are used exclusively or more intensely to support international students. These resources include, but are not limited to, temporary housing services, tutoring and other academic support services, visa and federal government reporting requirements, enhanced arrival services, and sponsored programs offered to international students on campus.
- \*\*\*\*\* Meal plans, in addition to denoted meals, include pre-determined flex dollars that may be redeemed for supplementary food items at campus facilities (i.e., Starbucks and Liberty Market).

### Wildcat Meals

Students may purchase blocks of meals through our Wildcat Meal plan. Wildcat meals may be used at any time and as many times as the student wishes during the academic year. Meals are bought in blocks and can be purchased online.

All meals must be used before the end of the academic year in which they are purchased. The cost of the plan is nonrefundable.

50 meal block	\$502.00
25 meal block	\$252.00
25 meal block/\$50 flex dollars	\$302.00
10 meal block	\$101.00
Meal price paid at the door	\$10.25

### Reservation Fee and Other Fees

#### Reservation Fee

The \$300 reservation fee is payable upon acceptance to the university. The university observes the May 1 reservation fee deadline and encourages students to research all schools before placing a reservation fee. Reservation fees received after May 1, 2022, will be accepted on the basis of space availability. Reservation fees received prior to May 1, 2022, are refundable. Students must also have an approved payment plan with Student Financial Services by June 29, 2022, to select a room assignment. Students who establish an approved payment plan after June 29, 2022, could be placed in a temporary assignment regardless of fee payment date, although Residential Life will make every effort to assign students to permanent room assignments.

Requests for refunds of the reservation fee will be granted upon written request to the university prior to May 1, 2022. After May 1, 2022, the reservation fee of \$300 is nonrefundable.

#### New Student Fee

This nonrefundable fee, which is uniformly charged, is required of all new students for orientation, testing and semester start activities. It is charged to students who start during the fall or spring semester.

#### Student Activity Fee

The student activity fee provides funds for student clubs, organizations and departments that serve to provide a rich and varied co-curricular experience. This fund is managed by the Student Government Association and used to support programs and services such as comedy shows, concerts, lectures, movies, special events, travel, and club and organization appropriations. Activities may vary by campus.

### Medical Health Coverage While Enrolled

All registered undergraduate day students, both domestic and international; all students enrolled in the Physician Assistant Program, on-campus Occupational Therapy Program, Addiction Counseling or Clinical Mental Health Counseling master's degree programs, as well as international graduate/doctoral students attending Johnson & Wales University and taking credit hours (excluding full-time Johnson & Wales employees) are eligible and enrolled in the plan on a hard waiver basis. If university policy requires students to have health insurance and the coverage is through another means (i.e., parent's health insurance or an employer program), the student does not have to utilize the university student health insurance plan and may opt out of/waive it. All current insurance must be accepted and fully comprehensive for all of the student's needs in the U.S. and the state in which the student attends class. Students can opt out of/waive the university plan by submitting the online waiver form to demonstrate evidence of coverage. A new waiver form must be submitted each academic year. Students who are required to have health insurance and do not waive the Johnson & Wales University plan will be charged for it. The online waiver form and details of the plan, including the full brochure and benefit flyer, can be found on the University Health Plans website.

### Graduate Tuition

The following estimated tuition and fees schedules are effective for the 2022–23 academic year. Tuition and fees are subject to change annually.

MBA Program	\$842 per credit
MBA Program	\$2,526 per 3 credit course
M.S. Programs	\$774 per credit
M.S. Programs	\$2,322 per 3 credit course
M.A.T./M.Ed.	\$572 per credit
M.A.T./M.Ed.	\$1,716 per 3 credit course
Physician Assistant Studies*	\$16,852 per semester
Physician Assistant Studies Fee	\$1,172 per semester
Ed.D. Program	\$993 per credit
Ed.D. Program	\$5,958 per 6 credit course
Dissertation Fee	\$1,903 per semester
Doctorate in Occupational Therapy	\$14,345 per semester
Doctorate in Occupational Therapy Fee	\$552 per semester
International Student Services Fee, Providence**	\$1,322 (\$661 per semester)
Pre-Master's International Students	\$5,000 per term
Student Health Insurance (if applicable)	TBD

- \* Please note that the program runs a full 24-month span, including summer semester. For more information regarding the Physician Assistant (PA) Studies program, please see the PA website.
- \*\* Providence Campus international students will be assessed an International Student Fee of \$1,322 per academic year (or \$661 per semester). The fee covers necessary services that are used exclusively or more intensely to support international students. These resources include, but are not limited to, temporary housing services, tutoring and other academic support services, visa and federal government reporting requirements, enhanced arrival services activities, and sponsored programs offered to international students across campus.

### Reservation Fee

The following reservation fees are required upon acceptance to the university:

- \$100 Domestic graduate
- \$500 Pre-Master's
- \$500 International graduate
- \$500 Doctoral (Ed.D. and OTD)
- \$1,000 Physician Assistant (M.S.P.A.S.)

### Extension Students

Tuition rates for extension students are billed based on the number of semester credit hours scheduled. Extension students will be charged the College of Professional Studies undergraduate online rate.

### Early Enrollment

Early Enrollment Program (p. 309) tuition is 50 percent of the 2022–23 tuition charge. Early Enrollment Program students are also subject to all other

appropriate university fees (for example, full room, meals, new student fee, student health insurance, etc.). Early Enrollment Program students are not eligible for any federal financial aid or institutional need-based aid while enrolled in the program. Early Enrollment Program students should contact Student Financial Services for information on alternative funding and to determine how eligible scholarships will be affected while in the Early Enrollment Program.

## ESL Students

Students who are studying in the English as a Second Language (ESL) program will be charged \$5,000 tuition per semester. International students in this program will also be charged an annual International Student Services Fee of \$1,322 if attending the Providence Campus. This program charge will be applied for each semester the student remains in the ESL program. ESL students are not eligible for Johnson & Wales University scholarships or grants.

# General Information and Policies

This section of the catalog includes important information and policies for students in the JWU community.

## Complaints and Grievances

It is the intention of Johnson & Wales University to resolve complaints and grievances quickly, informally and as close as possible to the point of origin. The complaint and grievance process set forth below is not intended to be a forum to challenge university policy, but rather a means by which individuals can seek a timely and fair review of their concerns.

Exempt from Johnson & Wales' complaint and grievance process are those areas for which there presently exists a separate complaint or grievance process or built-in review or appeal. Those exempt areas include, but are not limited to, the following:

1. Actions by the dean of students, including matters that have been referred to Community Standards and Conduct
2. Actions by Residential Life concerning contract release or room relocations
3. Actions by the Academic & Financial Appeals Committee
4. Actions by a faculty member, staff member or third party which may constitute harassment or discrimination (which should be referred to the nondiscrimination and Title IX coordinator, a nondiscrimination campus liaison, or Human Resources & Payroll, as set forth in the Prohibited Discrimination and Harassment Policy)
5. Actions relating to voluntary medical withdrawals
6. Actions relating to involuntary medical withdrawals
7. Actions relating to the ADA/Rehabilitation Act Grievance Policy And Procedure
8. Actions relating to the review of accommodation decisions
9. Actions relating to academic integrity

### Complaint and Grievance Process

For the resolution of academic and administrative issues outside of the exempt areas, please follow the process outlined below. At its sole discretion, the university (including deans and departmental chairs and Human Resources) may consider complaints made outside of channels or time frames indicated below, but it may choose not to do so and asks all students to adhere to the process set forth below.

#### Step 1

If a student has a complaint about a matter related to the student's grade, class assignment, or issue of a similar nature, the student should first address the complaint or grievance with the faculty or staff member involved within five days of the incident. If a student has a different type of complaint, the student may also follow this process. The faculty or staff member will consider the complaint or grievance and notify the student of the faculty or staff member's decision within a reasonable time, usually five days. If a student (a) does not have a complaint about a matter related to the student's grade, class assignment, or issue of a similar nature and (b) does not wish to address the complaint or grievance with the faculty or staff member involved, the student should follow the applicable process indicated in Step 2 below.

#### Step 2

If the student (a) does not have a complaint about a matter related to the student's grade, class assignment, or issue of a similar nature and (b) does not wish to address the complaint or grievance with the faculty or staff member involved OR the complaint or grievance cannot be resolved at the previous level, the student should present the complaint or grievance, in writing, to the appropriate department chair or department director within five days of the incident (if raised in the first instance) or within five days of receipt of the faculty or staff member's decision (if raised previously with the faculty or staff member). The department chair or department director will document their decision and provide a copy to the student, faculty or staff member, and dean of the appropriate school or college (in the case of an academic complaint or grievance) or the dean of students (in the case of an administrative complaint or grievance) within a reasonable time, usually five days.

#### Step 3

If the complaint or grievance is still unresolved, the student may request a final review at the dean's level by submitting a written request for review

to the dean of the appropriate college or school (in case of an academic complaint or grievance) or the dean of students (in case of an administrative complaint or grievance) or their designees. The written request should set forth the reasons that the student is seeking a review of the earlier decision and, in particular, should specify if the student feels that relevant, new information has come to light since the decision was made or that the decision was unjust or inconsistent with the circumstances of the incident. The request will be considered by the appropriate dean or designee. The decision of the reviewing dean will be final and a written copy of the decision will be given to the student.

### Expedited Review

If there is a legitimate need for an immediate or expedited review of an academic or administrative decision, then written complaints and grievances or requests for review and decisions may not be required. The determination of whether an expedited review is appropriate is determined in the sole discretion of the dean of the appropriate college or school (in case of an academic complaint or grievance), the dean of students (in case of an administrative complaint or grievance) or their designees.

Note: Retaliation against any individual who has made a good faith complaint or grievance or cooperated in the investigation of such a complaint or grievance is a violation of university policy. Anyone found to have engaged in retaliation will be subject to disciplinary action up to and including termination or dismissal.

### Student Complaint Process for Online Students

#### Current SARA Member Jurisdictions

Current authorized jurisdictions subject to the State Authorization Reciprocity Agreement (SARA) and the National Council for SARA (NC-SARA) standards include all states and the District of Columbia, with the exception of California. California has its own process for the filing of complaints by online students living in that state that is discussed under **Student Complaint Process for Online Students in Non-SARA Jurisdictions** below.

#### Online Student Complaint Process

If you are enrolled as an online student and you have a complaint that cannot be resolved through Johnson & Wales University's complaint and grievance process as set forth above, you may file a complaint with the Rhode Island Council on Postsecondary Education (RI-CPE), as described below in **Student Complaint Process for Online Students in SARA Jurisdictions**, or, if living in California, with the California Department of Consumer Affairs (CADCA), as described below in **Student Complaint Process for Online Students in Non-SARA Jurisdictions**.

You may also see additional consumer information related to all other aspects of Johnson & Wales University.

#### Initial Complaints To Be Filed with JWU

Before filing a complaint with RI-OPC or CADCA, online students are expected to first file an internal complaint with JWU, by following this process (p. 334).

The complaint will be reviewed, evaluated, and, whenever possible, resolved by the relevant JWU personnel. If the student bringing the complaint is not satisfied with the outcome of JWU's internal complaint process, the complainant may file his/her complaint, within two years of the incident about which the complaint is made, with RI-OPC or CADCA, depending on where the online student resides. The resolution of the complaint by RI-OPC or CADCA will be final.

#### Student Complaint Process for Online Students in SARA Jurisdictions (All But California)

RI-CPE has promulgated a Student Complaint Procedure. As specified in that procedure, JWU online students may file the following types of complaints with RI-CPE:

- Allegations of Consumer Protection Violations, including Fraud and False Advertising
- Allegations of Violations of State Laws, Rules or Licensing Requirements
- Allegations of Violations of Accreditation Standards
- Allegations of Violations of Standards Established by NC-SARA

- Complaints About Education Program Quality
- Other Complaints as specific in the RI-CPE Student Complaint Procedure

As specified in the RI-CPE Student Complaint Procedure, such student complaints shall be delivered or mailed to the Rhode Island Office of the Postsecondary Commissioner (RI-OPC) at the following address:

Rhode Island Office of the Postsecondary Commissioner  
560 Jefferson Blvd  
Warwick, RI 02886-1304

The phone number for RI-OPC is (401) 736-1100.

### **Student Complaint Process for Online Students in Non-SARA Jurisdictions (California)**

If you are enrolled as an online student living in a state that is not a member SARA (currently only California) and you have a complaint that cannot be resolved through Johnson & Wales University's internal complaint process, you may file a complaint with the California Department of Consumer Affairs (CADCA). On behalf of California student residents, CADCA will evaluate complaints, identify the appropriate accrediting agency or governmental entity to handle the complaint, and request a response from the entity regarding the final disposition of the complaint. The address and contact information for CADCA are below:

#### **California Department of Consumer Affairs Consumer Information Center**

1625 North Market Blvd, Suite N-112  
Sacramento, CA 95834  
(833) 942-1120

dca@dca.ca.gov

For a complete list of relevant state agencies within the U.S., please refer to the following list of State Agencies.

## **Student Disability Grievance Policy and Procedures**

### **Policy Statement and Scope**

Johnson & Wales University has designed this policy and procedure to comply with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. The university intends to provide an equitable and prompt grievance procedure to resolve complaints of discrimination or harassment or other alleged violations of the ADA, Section 504 of the Rehabilitation Act, and any similar, applicable state law. The policy and procedure apply to current university students.

### **Definitions**

A. "Grievance" means a written<sup>1</sup> complaint submitted in accordance with this policy and procedure and alleging a violation of the ADA, the Rehabilitation Act, or any similar, applicable state law carried out by employees, students, or third parties. At minimum, the Grievance shall contain the following information:

1. Petitioner's name, address, e-mail, and telephone number(s);
2. The date of the alleged violation(s) and a detailed description of the alleged violation(s);
3. All Respondents' names;
4. The specific action or relief the Petitioner seeks; and
5. Any and all other information on which the Petitioner is relying to support the Grievance.

B. "Investigator" means the Title IX Coordinator, or, in cases where the Title IX Coordinator is alleged to be responsible for the Grievance, the Vice President of Student Affairs and Dean of Students, or their respective designees.

C. "Petitioner" means an employee submitting a Grievance.

D. "Respondent" means any person alleged to be responsible in the Grievance. A Petitioner may identify one Respondent or multiple Respondents, as appropriate, in a Grievance.

### **Procedures Related to the Filing of a Grievance**

- A. Any Johnson & Wales University student may file a Grievance.
- B. The university strongly encourages Petitioners to discuss their concerns informally with all Respondents to seek an informal resolution before they

file any Grievance. If a Petitioner is unwilling to attempt informal resolution or if attempts at informal resolution fail, the Petitioner may then submit a Grievance to the Title IX Coordinator (hereinafter to include their designee) at the following address:

Title IX Coordinator  
Equity & Compliance Services  
Johnson & Wales University  
8 Abbott Park Place  
Providence, RI 02903  
Phone: 401-598-2703  
Matthias.Rubekeil@jwu.edu

If the Grievance is about the Title IX Coordinator, the grievance should be addressed to:

Associate Dean for Student Services  
Johnson & Wales University  
8 Abbott Park Place  
Providence, RI 02903

C. Petitioners must submit Grievances within 30 calendar days of the date upon which they become aware of the alleged violation but not later than 90 calendar days of the alleged violation. The university will not consider untimely Grievances.

D. Upon receipt of a Grievance, the Investigator shall send each Respondent a copy of the Grievance and ask each Respondent to submit a written response within 14 calendar days. The university will not consider untimely responses. Responses should include any and all information relied on to defend against the Grievance.

E. No Respondent shall retaliate against the Petitioner in any way. Unlawful retaliation will subject the Respondent to disciplinary action.

F. The Investigator shall conduct an investigation of the Grievance. As part of the investigation, the Investigator will give Petitioner and each Respondent an opportunity to identify relevant witnesses to be interviewed and/or submit evidence relevant to the Grievance. The Investigator will review evidence presented and will interview witnesses identified, as determined appropriate by the Title IX Coordinator.

G. The Investigator will issue a written decision on the Grievance no later than 60 calendar days after its submission and will provide a copy to Petitioner and each Respondent. The Investigator shall solely overrule, reverse, or otherwise disturb a determination respecting a reasonable accommodation if it violates the ADA, the Rehabilitation Act, or any similar, applicable state law. The investigator's decision shall be final.

H. If the Investigator determines that disability discrimination or harassment has occurred, the university will take steps to prevent any recurrence of the alleged discrimination or harassment and to correct its effects on the Petitioner and others, if appropriate.

I. Students are not required to file a Grievance with the university and may file a complaint with these enforcement agencies at any time at the following addresses:

U.S. Department of Education  
Office for Civil Rights  
Customer Service Team  
400 Maryland Avenue, SW  
Washington, D.C. 20202-1100

U.S. Department of Justice  
950 Pennsylvania Avenue, NW  
Civil Rights Division  
Disability Rights Section - NYA  
Washington, D.C. 20530

Policy Contact(s)

- Title IX Coordinator (Matthias.Rubekeil@jwu.edu)

<sup>1</sup> Alternative means of filing complaints, such as personal interviews or a tape recording of the complaint, will be made available for persons with disabilities upon request.

## **Computer and Technology Use**

All students are required to comply with the university's Computer and Technology Use Policy.

The university's Computer and Technology Use Policy prohibits students from uploading, downloading, posting, publishing, transmitting, retaining,



reproducing, sharing or distributing in any way information, software, movies, music, books, articles or any other material which is protected by copyright or other proprietary right, without obtaining permission of the owner. Violation of this policy may result in the termination of the student's access to the internet via the university's internet system, and constitutes a violation of the Student Code of Conduct.

### Copyright Infringement

Students should be aware that unauthorized distribution of copyrighted material, including unauthorized peer-to-peer file sharing, may subject the student to civil and criminal liabilities. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For "willful" infringement, a court may award up to \$150,000 per work infringed. A court can, at its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. For more information, please see the website of the U.S. copyright office, especially their FAQs. Please refer to the Computer and Technology Use Policy for a further description of prohibited activities regarding the use of university technology resources.

Unauthorized peer-to-peer file sharing is a violation of law, as well as university policy, including the Student Code of Conduct. Students engaging in unauthorized peer-to-peer file sharing, including illegal downloading and unauthorized distribution of copyrighted materials, will be subject to disciplinary action up to and including suspension or dismissal from the university. Please see Frequently Asked Questions About File Sharing for more information.

## Disability Accommodations for Students Policy and Procedure

### Policy Statement and Scope

Johnson & Wales University (JWU) has designed this policy and procedure to comply with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. The university intends to provide qualified students who have disabilities and/or health conditions with accommodations to the extent required by the ADA, Section 504 of the Rehabilitation Act, and any similar, applicable state law.

The policy and procedure apply to qualified students (undergraduate, graduate and online) with a documented disability and/or health condition:

1. Who wish to obtain an accommodation at JWU;
2. Who identify themselves as having a disability and/or health condition;
3. Who seek accommodation; and
4. Who (a) are enrolled at the university or (b) have been accepted and will be enrolled at the university.

Information students submit to the university pursuant to this policy and procedure, is confidential. Accessibility Services/the Academic & Career Excellence (ACE) Center may grant access to appropriate individuals who have an educational need to know, including to effectuate this policy and procedure, in case of an emergency, or as permitted by law.

### Definitions

JWU applies the following terms using the definitions supplied by federal law and regulations.

1. "Accommodation" means an adjustment to an activity, course, or program that enables a qualified student with a disability to have an equal educational opportunity but does not lower or modify essential requirements; fundamentally alter the nature of an activity, course, or program; or result in undue financial or administrative burdens.
2. "Disability" means a physical or mental impairment that substantially limits one or more major life activities.
3. "Qualified" as referred to a student means one who meets the academic and technical standards requisite to admission or to participation in the activity, course, or program at issue, with or without appropriate accommodations.

### Procedure Related to Accommodation(s)

To receive an accommodation, students must submit a request to Accessibility Services/the Academic & Career Excellence (ACE) Center. Students are responsible for adequately identifying and documenting their requests and supplementing their requests as needed. The request must

1. Be in writing and should include (at minimum) an identification of the disability, the requested accommodation, and documentary support for the disability/health condition and accommodation (including information on functional limitations to support the existence of a disability and the need for an accommodation) from a medical provider, such as a physician or mental health professional, neither of whom may be a relative of the student's.
2. Be submitted in a timely fashion, such that the request allows time for adequate consideration and decision. Students should try to submit first-time pre-enrollment requests at least eight weeks before the start of the school year, provided that this deadline may be waived in the university's sole discretion where appropriate.

Accessibility Services/the Academic & Career Excellence (ACE) Center will determine whether the information provided is sufficient and whether the request is otherwise adequate. Accessibility Services/the Academic & Career Excellence (ACE) Center will request such further information as it may require. Accessibility Services/the Academic & Career Excellence (ACE) Center will determine whether the condition fits the legal definition of a disability, whether an accommodation is appropriate, and, if so, what type of accommodation is appropriate. In making this determination, Accessibility Services/the Academic & Career Excellence (ACE) Center will consult with faculty, other university employees, or other appropriate personnel as needed. If the appropriate personnel with whom Accessibility Services/the Academic & Career Excellence (ACE) Center must consult are not faculty or other university employees, the student should provide Accessibility Services/the Academic & Career Excellence (ACE) Center a release to allow Accessibility Services/the Academic & Career Excellence (ACE) Center to discuss the matter with such appropriate personnel.

Accessibility Services/the Academic & Career Excellence (ACE) Center considers accommodations on a case-by-case basis; accommodations may be available for certain activities, courses, or programs but not others. The determination of an accommodation, including whether or not to approve it, may depend in part on the nature of the activity, course, or program at issue.

If Accessibility Services/the Academic & Career Excellence (ACE) Center grants the request for an accommodation, it will notify the student and provide the student with a letter setting forth the granted accommodation and other relevant details, which the student may then share with the appropriate personnel (such as faculty or other university employees or other appropriate personnel) who need to know about the accommodation to implement it. The appropriate individuals will then implement the accommodation, with the personnel and with the student consulting each other and Accessibility Services/the Academic & Career Excellence (ACE) Center as needed.

Accessibility Services/the Academic & Career Excellence (ACE) Center does not grant accommodations retroactively. For example, grades cannot be changed based on claims that a disability was not accommodated if no such accommodation was sought or granted before the work at issue was completed. Likewise, absences cannot be excused retroactively based on claims that a disability was not accommodated if no such accommodation was sought or granted before the absence.

Each semester, students must renew their accommodation requests and potentially provide updated documentation or such other information as Accessibility Services/the Academic & Career Excellence (ACE) Center may require.

### Grievance(s) Procedure Related to Accommodation(s)

Students may file a grievance from the determinations of Accessibility Services/the Academic & Career Excellence (ACE) Center solely as outlined under the JWU's Student Disability Grievance Policy and Procedures.

### Policy Contact(s)

- Providence Campus and College of Professional Studies: Director of Accessibility Services (email (nicole.hebert@jwu.edu))
- Charlotte Campus: Director of Center for Academic Support (email (rjkilgore@jwu.edu))



# Drug and Alcohol Policy

## Policy Statement

As a recipient of federal aid and federal grants, Johnson & Wales University (JWU) adheres to the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act of 1989.

In accordance with these laws, Johnson & Wales University (JWU) prohibits the unlawful manufacture, distribution, dispensation, possession, and use of controlled substances, drug paraphernalia, and alcohol at the workplace and in the educational setting. Possession or use of alcoholic beverages anywhere on university property is prohibited, except for legal use in the workplace or educational settings sanctioned by the university. "Unlawful" for these purposes means in violation of federal, state, or local statutes, regulations, ordinances, or applicable case law. "Workplace" is defined as either university premises or any place where university business is conducted away from university premises. "Educational setting" includes both university premises and approved educational sites off campus.

Johnson & Wales University is not, and cannot be considered, a protector or sanctuary from the existing laws of local, state, or federal governments.

## Sanctions

**Students:** Disciplinary sanctions that may be imposed on a student found to be in violation of this policy include, but are not limited to, revocation of certain privileges, community service, conduct warnings, conduct probation, fines or restitution for loss, suspension or dismissal from the university, temporary or permanent removal from university housing, referral to alcohol education or other similar classes, and possible referral to local authorities consistent with applicable law. The university reserves the right to notify parents of alcohol and drug violations by students who are under the applicable legal drinking age, consistent with applicable law. Students who are Pell Grant recipients must notify the university within five days of any criminal drug statute conviction for a violation occurring on or off university premises while conducting university business or activities.

Based on a Department of Education change, students no longer face penalties or suspension of Title IV aid due to a drug conviction that occurred while the student was enrolled and receiving Title IV aid.

**Employees:** All employees must abide by this policy and must disclose to the university any criminal drug or drug-related conviction. Employees who violate this policy will be subject to disciplinary action up to and including separation of employment and possible referral to the appropriate authorities consistent with applicable law.

**All:** JWU sanctions will be consistent with local, state, and federal laws.

## Effects of Alcohol and Controlled Substances

See examples of the effects of alcohol and controlled substances here.

## JWU's Substance Abuse Prevention Program

### Students:

Several programming initiatives and alternatives are available to help students examine their own behavior related to alcohol and other drugs (AOD).

- Counseling Services provides an assessment of AOD usage for all students who seek counseling.
- Referrals to community resources are available for individuals with more long-term or complex needs. A number of AA/NA/Al-Anon groups hold meetings close to campus and in the larger local community.
- Counseling Services offers AOD prevention through programming efforts with various student groups and Student Affairs departments.
- Counseling Services also collaborates with Community Standards and Conduct to provide educational and other resources for students with problematic drinking behavior and drug use.

For further information, students should call Counseling Services at 401-598-1016 (Providence Campus) or 980-598-1700 (Charlotte Campus).

### Employees:

An Employee Assistance Program (EAP) is available for university (non-student) employees and their family members. This important benefit allows eligible persons the opportunity to access professional and confidential counseling services for help in dealing with personal issues, including alcohol and drug problems. This benefit is administered by Coastline EAP. Coastline

EAP can be contacted at 800-445-1195, or at [www.coastlineeap.com](http://www.coastlineeap.com). For further information regarding this benefit, you may also contact Human Resources & Payroll at 401-598-1034 (Providence Campus) or 980-598-1006 (Charlotte Campus).

For additional information, please review the resources and data available at [www.samhsa.gov](http://www.samhsa.gov). The Substance Abuse and Mental Health Services Administration (SAMHSA) is the agency within the U.S. Department of Health and Human Services that leads public health efforts to advance the behavioral health of the nation. SAMHSA's mission is to reduce the impact of substance abuse and mental illness on America's communities.

## Examples of Potential Violations and Penalties for Drug and Alcohol Offenses

### Examples of Violations:

- Federal, state and local laws prohibit the unlawful manufacture, distribution, dispensation, possession, and use of controlled substances and alcohol.
- It is unlawful for anyone under the age of 21 to possess or purchase alcoholic beverages, for anyone to purchase alcohol for or furnish alcohol to anyone under the age of 21, and for anyone to misrepresent one's age, such as by falsifying an identification card.
- It is unlawful to operate a motor vehicle under the influence of controlled substances or alcohol.

**Examples of Penalties:** Depending on the offense involved, potential penalties may include (among others): suspension or loss of the offender's driver's license or driving privileges; fines (including fines of hundreds or hundreds of thousands of dollars); and imprisonment for various terms up to a term of life. A student will become ineligible to receive Title IV (Higher Education Act) federal financial aid for a period following conviction for an offense under any federal or state law involving the possession or sale of illegal drugs for conduct occurring during a period of enrollment during which the student received Title IV (Higher Education Act) federal financial aid.

### Statutory Citations

See examples of federal law violations and penalties related to controlled substances here.

As to state law violations and penalties, examples include the following:

**Rhode Island:** Rhode Island criminal offenses and penalties related to drugs and alcohol are detailed in the Rhode Island General Laws Title 21, Chapter 21-28 (Uniform Controlled Substances Act) and throughout Title 3 (Alcoholic Beverages), which provisions may be accessed online.

**North Carolina:** North Carolina General Statutes governing drugs and alcohol, Chapter 90, Article 5 (North Carolina Controlled Substances Act), may be accessed online, and Chapter 18B (Regulation of Alcoholic Beverages), may be accessed online.

Please note that this policy does not contain a comprehensive listing of all potential legal violations and penalties.

### Policy Contacts

- Director of Human Resources, 401-598-2634
- Associate Dean of Students for Counseling Health and Wellness, 401-598-1804

# Student Services

Student Services at JWU provides personal and professional development support for students across various aspects of campus life, from academic support to meals and housing, health services, and involvement in campus programs and student organizations. See a topic for specific information.

## Academic Success Center

The Academic Success Center is available for Providence Campus students. Please see the Academic & Career Excellence (ACE) Center for these services on the Charlotte Campus.

## Services

The Academic Success Center offers a variety of services that can be accessed on both the Harborside and Downcity campuses. Below is a description of our services.

### Tutoring Services

One-on-one tutoring is offered for many core curriculum courses. From accounting to writing assistance, students can select to meet with a professional or peer tutor to bolster their academic success. Tutoring services are also available online via Smarthinking.

### Workshops

Workshops covering time management, study strategies, writing research papers and more are offered to support students throughout the year. A list of workshops can be found on the Academic Success Center workshop website.

### Writing Lab

Students can work with peer or professional writing coach at any stage of their writing process. Students are invited to work with the writing lab early in their process and work with a coach at each phase of their writing assignment. Visit the Writing Lab website for more details.

## Tutoring

Tutoring services at the Academic Success Center are included in tuition and are offered by professional and peer tutors.

Subject-based tutoring is available in the following undergraduate areas:

- Accounting/Business
- Engineering
- Math
- Nutrition
- Science

In addition to subject-based tutoring, the Academic Success Center offers writing assistance via the JWU Writing Lab. The Writing Lab is designed to help students become better writers and position themselves in today's competitive marketplace.

Writing coaches are trained to offer students support and feedback at any stage of the writing process, from refining a topic to polishing a final draft. Writing coaches can provide strategies for revising and editing, as well as ideas to help students further develop their writing process. For up-to-date information on the JWU Writing Lab, please visit the Writing Lab website.

In addition to in-person services, students have access to Smarthinking, a 24-hour online tutoring support service available seven days a week. Smarthinking offers live and virtual support in writing and many undergraduate courses.

## Accessibility Services

Accessibility Services is available on the Providence Campus and for College of Professional Studies students. Please consult a campus catalog for campus-specific information about Accessibility Services.

Please see the Academic and Career Excellence (ACE) Center for these services on the Charlotte Campus.

## Health Services

JWU's health services are available to commuting and resident students.

- Providence
- Charlotte

## International Student Services Office

The International Student Services Office (ISSO) is part of JWU Global, which also includes the English Language & Culture Academy (English as a Second Language) and Study Abroad. There are ISSO staff members on each of the two campuses. The main focus of ISSO is to help international students adhere to Department of Homeland Security regulations, maintain their student status and access all the benefits permitted by their student visa status. A variety of other programs and services have been created to assist students from the moment they enroll in the university until the day they graduate and beyond. Information sessions on employment, tax and other cultural adjustment issues are conducted every year. ISSO also offers orientation and cultural programming for international students and the university community.

- Providence
- Charlotte

## Learning Effectiveness in Action Program (LEAP)

Hosted at JWU's Providence Campus, Wildcat LEAP is a fee-based educational program designed to help students discover how they learn and to develop specific strategies to enhance their learning. The program includes

- a ten-day summer program
- one-on-one support throughout the academic year
- small group activities to foster effective learning and independence
- a three-credit course available only to LEAP participants

### Program Structure

Wildcat LEAP is a 10-month program, operating August through May.

The JWU experience begins with a 10-day intensive summer program designed to support students through the transition from high school to college. Participants explore the many supports available to them at JWU, begin to learn about themselves and their learning styles, and develop peer supports within their LEAP cohort.

Throughout the fall semester, LEAP participants benefit from weekly individualized support from their LEAP learning specialist. In addition to one-on-one support, the cohort is enrolled in a three-credit course designed specifically for and available only to LEAP participants.

The program continues through the spring semester with participants receiving weekly individualized support from their LEAP learning specialist as well as workshops on topics selected by the LEAP cohort. The program concludes with the development of a Wildcat LEAP student academic portfolio that demonstrates comprehensive evidence of applied learning strategies.

LEAP is ideally suited for students with executive function challenges. Those with ADHD and/or specific learning disabilities and/or some psychological disabilities qualify for the program. LEAP is not for other types of disabilities.

Email ([wildcatleap@jwu.edu](mailto:wildcatleap@jwu.edu)) to learn more.

## Residential Life

All first-year and second-year students are required to live in university housing unless they meet one or more of the following criteria:

- They are married.
- They are a parent.
- They are 21 years of age or older.
- They are living at home with a relative, parent or guardian, and commuting within a 50-mile radius of campus.
- They are a transfer student.
- They are not eligible to live on campus.

Please contact Admissions for further information regarding these exceptions.

Students who have been convicted of certain felonies or have had certain felony-type charges sustained in a juvenile proceeding, such as crimes of violence, serious drug offenses and sex offenses, are not eligible to live in university housing.

Residential Life provides information regarding a variety of living accommodations on campus and programs for students. For additional opportunities to get involved on campus, please contact Student Engagement (p. 339).

Students requesting accommodations should contact Accessibility Services on the Providence Campus or the ACE Center on the Charlotte Campus.

Off-Campus Student Services can assist students with off-campus housing, as well as connections with other commuters. Students should contact them directly by email ([offcampusstudentservices@jwu.edu](mailto:offcampusstudentservices@jwu.edu)).

## Safety & Security

Please consult a catalog for campus-specific information regarding Campus Safety & Security.

## Student Academic Services

Student Academic Services is comprised of several departments that assist students with a variety of academic and financial matters, such as maintaining student records, course scheduling, degree audits and progress, and providing academic counseling.

\*\*Please note that Academic Advising is conducted through the Academic & Career Excellence (ACE) Center at the Charlotte Campus.

## Student Financial Services

Student Financial Services is comprised of several departments that assist students with a variety of financial matters, such as applying for financial aid, payment plans, invoicing, financial aid offer notifications, financial questions and procedures.

## Student Engagement

Student Engagement facilitates the transition and continued integration of undergraduate students within academic and co-curricular life. It provides transformational experiences for students, families and student leaders to set the foundation for a student's journey as a Wildcat for life. The department adheres to the following foundational principles:

- Encourage lifelong **learning and development** through intentional experiences focused on transition and **leadership**.
- Foster collaborative partnerships to encourage **community**.
- Deliver campus events and traditions that create **belonging, community and affinity**.
- Reassure families about challenges and opportunities they or their students may encounter while offering resources and services to support their students' **learning and development**.

Student Engagement has two locations: the Citizens Bank Center for Student Involvement (CBCSI) on the Downcity Campus and the Wildcat Center on the Harborside Campus. Some programs and services include

- 80+ student organizations
- fraternity and sorority life
- community service and volunteerism
- leadership opportunities and workshops
- fall/Halloween, winter and spring/Founders' Week events
- student government
- free movie series
- campus traditions such as Wildcat Madness, One-Ton Sundae, Wildcat Wahoo Carnival and more

### Organizations

Opportunities abound for students to get involved in student organizations and become engaged in the Wildcat community at JWU's Providence Campus. See Student Organizations to learn more about ways to get involved in student organizations and access the Student Organization Handbook to learn about starting new organizations on campus.

## Fraternity and Sorority Life

Getting involved in the fraternity and sorority community at the Providence Campus is a fantastic way to build a network of resources that lasts a lifetime. See Fraternity and Sorority Life for currently available fraternities, sororities and social fellowships.

### Expectations

When a student becomes a member of a student organization or team, that student represents not only themselves, but also the university and the organization or team. Groups may be held responsible as a whole for the misconduct of their individual members, including, but not limited to, any violation of the Student Code of Conduct, any other university rule or policy, or any local, state or federal law. Please refer to the Student Code of Conduct for more information regarding group responsibility.



**JOHNSON & WALES**  
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[jwu.edu/providence](http://jwu.edu/providence)  
[catalog.jwu.edu/providence](http://catalog.jwu.edu/providence)

Free applications for admission online at  
[apply.jwu.edu](http://apply.jwu.edu)