

JOHNSON & WALES UNIVERSITY



2016–2017
CATALOG



PROVIDENCE
CAMPUS

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2016–17 Providence Catalog

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or 401-598-4787 (College of Culinary Arts)

or 401-598-1125 (Center for Physician Assistant Studies)

This catalog is an official publication of Johnson & Wales University. As such, it and any other publications or policies provided on JWU's website are subject to revision at any time. The university reserves the right to add, withdraw or revise any course, program of study, provision or requirement described within the catalog as may be deemed necessary. Occasionally, program requirements will vary by the publication date of the catalog. Requirements stated in the edition published closest to the September enrollment date will take precedence.

Students should read and fully understand the rules, requirements and policies described in this catalog. Additionally, all enrolled students are expected to be familiar with the contents of the Providence Campus Student Handbook. The Providence Campus Student Handbook contains important information regarding the 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. The Providence Campus Student Handbook (<http://catalog.jwu.edu/handbook/providence>) is available online. Copies of the Providence Campus Student Handbook and this catalog are available at Student Academic & Financial Services.

Letter from Providence Campus President and Chief Operating Officer

It is my honor to welcome you to Johnson & Wales University's Providence Campus, the oldest and largest of our four campuses.

Lately, just about every college is talking about experiential education. And that's because it works. At Johnson & Wales we've been perfecting this approach for more than 100 years. It's why we're world renowned for providing students with the optimal blend of intellectual development, industry-focused education, résumé-building work experiences, leadership opportunities and an uncommon depth of career services.

It's also why both *U.S. News & World Report* and *Money* magazine rank JWU among the best colleges and universities in the United States, and why the National Society for Experiential Education conferred upon JWU its highest honor: the 2014 William M. Burke Presidential Award for Excellence in Experiential Education.

In addition, our student services and activities, campus facilities and dedication to the community make the Providence Campus comfortable for all types of students from various backgrounds. In fact, with six colleges and universities within the city and five more throughout Rhode Island, Providence has the highest per capita concentration of college students in the U.S.

Providence is a truly vibrant and cultural city with a small-town feel and all the charms of New England. These elements make for an attractive place to live, work and visit. With its plethora of renowned restaurants and close proximity to Rhode Island's famous beaches, Providence has been listed for four consecutive years by *Travel + Leisure* magazine as one of America's Favorite Cities — and was its top pick for 2014.

I've been a part of the JWU community since 1988, and am proud of our commitment to educational excellence that inspires professional success and lifelong personal and intellectual growth.

I invite you to visit and learn more about our dynamic campus (http://admissions.jwu.edu/visit_connect) and commitment to excellence.

Sincerely,

Mim L. Runey, LP.D.

Providence Campus President and Chief Operating Officer

This calendar is offered for planning purposes only; dates are subject to change. Note: Physician Assistant Studies, Doctoral and Online programs follow a separate calendar.

	=important date
	=no classes/holiday/break

- 6 **Fall term begins**
- 9 Make-up classes held for:
-Monday CE + Grad. classes
-Day culinary & baking labs
- 23 Classes held for:
-Day culinary & baking labs

SEPTEMBER '16						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MARCH '17						
S	M	T	W	Th	F	S
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*5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- 4 Make-up classes *if needed* for
culinary & baking weekend labs
- 5 *Winter term culinary & baking
weekend labs end
- 7 **Spring term begins**
- 10 Make-up classes held for:
-Monday CE + Grad. classes
-Day culinary & baking labs
- 24 Classes held for:
-Day culinary & baking labs

- 10 No classes; Columbus Day
- 11 Monday class schedule
- 14 Make-up classes held for:
-Tuesday CE + Grad. classes
-Day culinary & baking labs
- 14 Academic course withdrawal
Deadline
- 21-23 Family Weekend

OCTOBER '16						
S	M	T	W	Th	F	S
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APRIL '17						
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16	17	18	19	20	21	22
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- 7 Make-up classes held for:
-Thursday Grad. classes
- 14 No classes; Good Friday
- 13 Academic course withdrawal deadline
- 16 No classes; Easter

- 4 **Winter payment deadline**
- 11 Friday classes final exam
- 12 Culinary & baking weekend
academic classes final exam
- 14-15 Reading days (no classes)
for M/W + T/Th day classes
- 14 Monday classes final exam
- 15 Tuesday classes final exam
- 16 Monday/Wednesday +
Wednesday classes final exam
- 17 Tuesday/Thursday +
Thursday classes final exam + day
culinary & baking lab classes end
- 18-28 Thanksgiving & term break
- 26 Make-up classes *if needed* for
culinary & baking weekend labs
- 27 *Fall term culinary & baking
weekend labs end
- 29 **Winter term begins**

NOVEMBER '16						
S	M	T	W	Th	F	S
30	31	1	2	3	4	5
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
*27	28	29	30			

MAY '17						
S	M	T	W	Th	F	S
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14	15	16	17	18	19	*20
*21	22	23	24	25	26	27
28	29	30	31			

Commencement ceremonies:
May 18 = graduate + post-graduate
*May 20 = undergraduate

- 5 **Summer payment deadline**
- 11 Reading day (no classes)
for T/Th day classes
- 11 Thursday Grad. classes final exam
- 13 Saturday classes + culinary & baking
weekend academic classes final exam
- 15 Reading day (no classes)
for M/W day classes
- 15 Monday classes final exam
- 16 Tuesday/Thursday +
Tuesday classes final exam
- 17 Monday/Wednesday +
Wednesday classes final exam
- 18 Thursday + Friday classes final exam
+ day culinary & baking lab classes end
- 19 Residence halls close at noon
- 20 *No classes; Commencement
- 21 *Culinary & baking weekend labs held
- 28-29 No classes; Memorial Day Weekend

- 2 Make-up classes held for:
-Monday CE + Grad. classes
-Day culinary & baking labs
- 23 Holiday break begins (no
classes); *note: residence halls
close Dec. 23 at noon and
re-open Jan. 7 at noon*

DECEMBER '16						
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31						

JUNE '17						
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19	20	21	22	23	24	25
26	27	28	29	30		

- 5 **Summer term begins**
Session I classes begin
- 10 Make-up classes *if needed* for
culinary & baking weekend labs
- 11 Spring term culinary & baking
weekend labs end
- 19 Culinary laboratory segments begin
- 20 Academic course withdrawal
deadline for session I
- 29 Session I classes final exam

- 8 Holiday break ends
- *Culinary & baking weekend
Labs resume on the 8th; all other
classes resume on the 9th
- 13 Classes held for:
-Day culinary & baking labs
- 16 No classes; M.L. King Jr. Day
- 17 Monday class schedule
- 20 Make-up classes held for:
-Tuesday CE + Grad. classes
-Day culinary & baking labs
- 20 Academic course withdrawal
deadline

JANUARY '17						
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JULY '17						
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30	31					

- 3-4 No classes; Independence Day
- 7 Make-up classes held for:
-Tuesday CE + Grad. classes
- 10 Session II classes begin
- 14 **Fall payment deadline
(for new students)**
- 14 Academic course withdrawal
deadline for CE, Grad. + online +
internship
- 25 Academic course withdrawal
deadline for session II

- 3 **Spring payment deadline**
- 20-21 Reading days (no classes)
for M/W + T/Th day classes
- 20 Monday classes final exam
- 21 Tuesday classes final exam
- 22 Monday/Wednesday +
Wednesday classes final exam
- 23 Tuesday/Thursday +
Thursday classes final exam + day
culinary & baking lab classes end
- 24 Friday classes final exam
- 25 *Culinary & baking weekend
academic classes final exam

FEBRUARY '17						
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AUGUST '17						
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- 3 Session II + 8 week session classes
final exam
- 4 **Fall payment deadline
(for returning students)**
- 9-10 Wed/Thurs CE + Grad classes end
- 14 Monday CE + Grad classes end
- 15 Tuesday CE + Grad classes end
- 19 Summer internships + online classes
end
- 25 Culinary laboratory segments end

2016-2017
Doctoral Program
Academic Calendar
Providence Campus

Updated November 14, 2014.

AUGUST '16						
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SEPTEMBER '16						
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OCTOBER '16						
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NOVEMBER '16						
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DECEMBER '16						
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JANUARY '17						
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FEBRUARY '17						
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MARCH '17						
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APRIL '17						
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MAY '17						
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JUNE '17						
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JULY '17						
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AUGUST '17						
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20	21	22	23	24	25	26
27	28	29	30	31		

	=important date
	=no classes/holiday/break
	=Doctoral classes held

August 2016
5 Fall payment deadline
20 Dissertation Advisement ends
26 - 27 Fall Doctoral classes begin

September 2016
5 No classes; Labor Day
9 - 10 Doctoral classes held
23 - 24 Doctoral classes held
30 Doctoral classes held

October 2016
1 Doctoral classes held
10 Columbus Day
14 - 15 Doctoral classes held
21 Course withdrawal deadline
28 - 29 Doctoral classes held

November 2016
11 - 12 Doctoral classes held
18 - 19 Doctoral classes held
23 - 26 Thanksgiving break

December 2016
2 - 3 Doctoral classes held
9 Spring payment deadline
16 - 17 Doctoral classes held

January 2017
13 - 14 Spring Doctoral classes begin
16 M.L. King Jr. Day; no classes
27 - 28 Doctoral classes held

February 2017
10 - 11 Doctoral classes held
24 - 25 Doctoral classes held

March 2017
3 - 4 Doctoral classes held
10 Course withdrawal deadline
17 - 18 Doctoral classes held
31 Doctoral classes held

April 2017
1 Doctoral classes held
7 - 8 Doctoral classes held
16 Easter
28 - 29 Doctoral classes held

May 2017
5 Summer payment deadline
12 - 13 Doctoral classes held
18 Commencement
29 Memorial Day

June 2017
5 Dissertation Advisement begins

July 2017
4 Independence Day
21 Course withdrawal deadline

August 2017
4 Fall payment deadline
19 Dissertation Advisement ends
25 - 26 Fall Doctoral classes begin

Note: Students are engaged in coursework between course meeting dates.

About JWU

Founded in 1914, Johnson & Wales University is a private, nonprofit, accredited institution with approximately 16,000 graduate, undergraduate and online students at its four campuses in Providence, R.I.; North Miami, Fla.; Denver, Colo.; and Charlotte, N.C. An innovative educational leader, the university offers degree programs in arts and sciences, business, culinary arts, education, nutrition, hospitality, physician assistant studies, engineering and design. Its unique model integrates arts and sciences and industry-focused education with work experience and leadership opportunities, inspiring students to achieve professional success and lifelong personal growth. The university's impact is global, with alumni from 119 countries pursuing careers worldwide.

Here's what makes JWU different.

- Degree programs are designed to provide you with the knowledge and skills employers have identified as necessary in your field of choice. And you don't have to wait to build your career skills, as you'll have the opportunity to take courses in your major in your first year.
- Students learn by doing. Faculty, many with industry experience, bring professional knowledge and networking opportunities into small classroom settings.
- JWU's programs provide opportunities for real-world experience, which can include internships, classroom projects with actual companies and community service learning. You'll learn industry best practices and train on career-specific tools and software.
- Dedicated faculty and career advisors help you set professional goals and develop an educational plan designed for you to best attain those goals. In addition, specialized workshops help you build your résumé, highlight your skills and develop a portfolio of work to help set you apart.
- You'll 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.
- JWU students intern at nearly 1,500 sites related to their major each year worldwide.
- At least one-third of credits in each JWU program are in the arts and sciences to help you develop the critical thinking, communication and analytical skills necessary for long-term career progression.
- JWU offers 40 study abroad programs and independent exchanges, all of which include study such as lecture, industry visits and cultural excursions. Study Abroad staff members will help you identify programs that best fit your academic and career goals.
- Participation in competitions as a member of DECA, BPA, FCCLA and other nationally recognized student organizations help build leadership, career skills and your résumé.
- Community service is integral to our educational philosophy. Our ongoing commitment to community service has repeatedly earned JWU a place on the President's Higher Education Community Service Honor Roll.

To learn more, visit jwu.edu.

History of JWU

Johnson & Wales University (JWU) was founded as a business school in 1914 in Providence, R.I., by Gertrude I. Johnson and Mary T. Wales. From its origins as a school devoted to business education, JWU has grown to a junior college, to a senior college, and ultimately to university status.

JWU was accredited in 1954 by the Accrediting Council for Independent Colleges and Schools (ACICS).

In 1963 the State of Rhode Island granted a charter that authorized the university to operate as a nonprofit, degree-granting institution of higher learning and to award associate degrees in accounting, business administration, court reporting and secretarial sciences.

In 1970 the State of Rhode Island approved a revision in the university's charter allowing it to award baccalaureate degrees as well as associate degrees.

In 1972 and 1973 the university announced the addition of new associate degree programs in the fields of hospitality and culinary arts. This led to

additional two- and four-year degree programs in the hospitality and food service fields.

In 1980 the university was granted a legislative charter to replace its previous charter and became authorized to award advanced degrees.

In 1984, a JWU campus was established in Charleston, S.C., which offered a variety of two- and four-year programs in food service, hospitality and travel-tourism. A JWU campus opened in Norfolk, Va., in 1986, offering one- and two-year food service programs.

In 1985, graduate degree programs were introduced at the university, and the university officially changed its name to Johnson & Wales University in 1988.

In 1992, JWU opened a campus in North Miami, Fla. That year also marked the university's formal establishment of the College of Business, The Hospitality College, the College of Culinary Arts and the School of Technology. A new emphasis on general studies was introduced with the development of the School of Arts & Sciences.

The university's School of Technology offered courses in Worcester, Mass., from 1992–2002.

JWU received regional accreditation from the Commission on Institutions of Higher Education of the New England Association of Schools and Colleges (NEASC) in 1993. In that same year, JWU opened a campus in Vail, Colo., which offered an accelerated associate degree program in culinary arts to college graduates. The year also marked the beginning of a four-year bachelor's degree offering in culinary arts.

From 1994–2004 JWU offered programs at the Institute of Higher Marketing (IHM) Business School in Göteborg, Sweden. This joint educational agreement allowed business and hospitality students to complete one year of study in Sweden and finish their degrees at one of the university's domestic campuses.

The university consolidated its institutional accreditation efforts under NEASC on June 30, 2000.

September 2000 marked the opening of the Denver, Colo., campus. In 2000, the Vail Campus merged with the Denver Campus.

In 2002, the university made a strategic decision to consolidate its smaller Charleston and Norfolk campuses to build a campus in Charlotte, N.C. JWU's Charlotte Campus opened in fall 2004. The Charleston and Norfolk campuses officially closed in May 2006.

Beginning with the 2008–2009 academic year, JWU's College of Business and The Hospitality College eliminated associate degrees and began offering only bachelor of science degrees that allowed students to customize their education. This decision did not impact the College of Culinary Arts and the School of Technology.

In 2009–2010 JWU recruited, admitted and enrolled the entering class for two online bachelor's degree programs in food service management.

In fall 2012 the university began offering a degree in counseling psychology, the first bachelor's degree program offered through the John Hazen White School of Arts & Sciences. This was followed in fall 2013 by the addition of two more arts and sciences degree programs.

That same year, the university restructured into three colleges and three schools: the College of Culinary Arts, College of Management, John Hazen White College of Arts & Sciences, School of Engineering & Design, College of Online Education, and Center for Physician Assistant Studies (to be incorporated into the College of Health & Wellness).

Today the university is offering a variety of new degree programs that reflect the growing industries of tomorrow.

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 unique student-centered culture we will be guided by the following principles:

- Undertake continuous improvement and planning for a sustainable future.

- Foster a teaching-focused university that encourages appropriate scholarship and offers relevant programs that maximize student potential.
- Enrich our academic programs with experiential and work-integrated learning.
- Be cost-conscious in our endeavor to provide an affordable private university education and be a good steward of our resources.
- Embrace diversity for a richly inclusive community.
- Model ethical behavior and local, national and global citizenship.
- Value our faculty and staff by investing in their quality of life and professional development.
- Provide facilities, technology and other resources to meet the needs of students, faculty and staff.

Providence Campus

Providence, Rhode Island

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 business, culinary arts, hospitality, physician assistant, engineering & design and arts & sciences programs.

For more information about JWU's Providence Campus (<http://www.jwu.edu/providence>), 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 U.S., 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 Management, the School of Engineering & Design, the John Hazen White College of Arts & Sciences and the Center for Physician Assistant Studies.

The nearby Harborside Campus sits on 105 scenic acres along Narragansett Bay, and houses the College of Culinary Arts, the Wildcat Center (home of the NCAA Division III Wildcats), and the 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

115 CEDAR STREET houses the administrative offices of the College of Online Education, including the dean's office.

THE ACADEMIC CENTER is located at 138 Mathewson Street.

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

THE CITIZENS BANK CENTER FOR STUDENT INVOLVEMENT at 2 Richmond Street 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, located at 274 Weybosset Street, houses Information Technology Operations.

THE INTERNATIONAL CENTER, located at 274 Pine Street houses International Student Services and Study Abroad.

THE JOHN HAZEN WHITE COLLEGE OF ARTS & SCIENCES at 30 Chestnut Street (the 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 the Market Place campus dining facility, the Center for Academic Support for the Downcity Campus, Experiential Education & Career Services for the Downcity Campus, and the dean's office and faculty offices.

JOHNSON HALL, located at 59 Chestnut Street, includes Accounting faculty offices, several Accounting classrooms, City Burger (a snack bar and grill for students, faculty and staff) and Starbucks®.

THE NEW ACADEMIC BUILDING houses the School of Engineering & Design and features classrooms; the media/graphics department; computer and engineering, faculty offices, the dean's office, the Alan Shawn Feinstein Technology & Design Center, and the School of Engineering & Design Presentation Room. It houses the School of Arts & Sciences classrooms, life science laboratories and faculty offices. It also houses Red Mango, a frozen yogurt and smoothie bar.

THE Johnson & Wales University PARKING GARAGE, located 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. Offices for Campus Safety & Security's Administration and Crime Prevention and Community Outreach are located on the first floor. Also on the first floor is 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.

ONE WEYBOSSET HILL, located at 33 Broad Street, houses the central administration office of the university and Institutional Research on the sixth floor, and University Admissions, National Student Organizations and Information Technology on the fifth floor. It is also the home of the University Bookstore (operated by Follett Higher Education Group), located on the first floor.

THE RICHMOND Building is located at 270 Weybosset Street. It currently houses Information Technology, the Faculty Center for Academic Excellence, and Student Communications, as well as the Providence Police Department District 1 Substation.

The administrative and operations headquarters for CAMPUS SAFETY & SECURITY are located at 264 Weybosset Street.

THE STUDENT SERVICES CENTER, located at 274 Pine Street, houses Student Academic & Financial Services, student ID cards, inactive records and the International Center.

THE TACO CENTER FOR BUSINESS AND ARTS & SCIENCES, located at 10 Abbott Park Place, houses classrooms and faculty offices for the economics department, the science department and the Larry Friedman International Center for Entrepreneurship. In the Center for Entrepreneurship resides the Veterans HQ, a lounge for alumni veterans. The Criminal Justice Lab is on the fifth floor.

WALES HALL, located 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, Student Payroll, Health Education and the Gender Equity Center 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 and Payroll.

THE XAVIER COMPLEX, located at 259 Pine Street 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 Management. The Statler Dining Room, a hospitality kitchen 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 Center and a residence hall with laundry facilities.

THE YENA CENTER, located at 111 Dorrance Street in Downtown Providence, houses the main library and library administrative offices, undergraduate Admissions (except culinary), D'Amico Auditorium, Catering and Special Events, and the university's offices for Accounts Payable; Accounting; Procurement; Compliance, Internal Audit & Risk Management; and Office of General Counsel, as well as Wildcat Cafe.

Academic Facilities and Administrative Offices — Harborside Campus

63 BAKER STREET houses Resource Development, Alumni Relations, University Design & Editorial Services and University Marketing.

THE ALUMNI HOUSE at 1146 Narragansett Boulevard in Cranston is used for distinguished visiting professor lodging.

THE CUISINART CENTER FOR CULINARY EXCELLENCE, located at 333 Shipyard Street, is where the College of Culinary Arts is based. This also includes College of Culinary Arts faculty offices, the 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 Boulevard 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, located at 1150 Narragansett Boulevard 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 Boulevard houses department faculty offices for the College of Culinary Arts, as well as the department chairs of culinary arts and food service.

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 Cintas Dining Room used by culinary arts students. HAC also contains a Starbucks®, Red Sauce Pizza & Pasta, 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, located at 321 Harborside Boulevard, houses Experiential Education & Career Services, International Student Services, Residential Life and Student Academic & Financial Services.

Also located in this building are the Alan Shawn Feinstein Center for Academic Support, the Culinary Arts Museum at JWU, the Harborside Campus Library, Printing & Mailing Services, the Harborside Substation of Campus Safety & Security, Liberty Market, the warehouse, the administrative offices of Facilities Management, Facilities Engineering and Maintenance, classrooms, the office of the vice president of student affairs, Counseling Services on the second floor, and department faculty offices for the John Hazen White College of Arts & Sciences and College of Management.

THE WILDCAT CENTER, located at 305 Shipyard Street, houses Health Services for the Harborside Campus, Athletics, two gymnasiums, student life programming space, game room, fitness center, the university's Harborside Bookstore (operated by Follett Higher Education Group), Student Involvement & Leadership and Student Conduct.

University-owned or -operated Practicum Educational Facilities

JWU is in a unique position to offer students experience-based learning in a variety of industry-related businesses. The following practicum educational facilities are owned or operated by JWU and provide students with experiential learning in their field of study.

THE RADISSON HOTEL PROVIDENCE AIRPORT, located in Warwick, R.I., near T.F. Green State Airport, offers internships in culinary, restaurant, food service and lodging operations.

Equine students study horse care and management at the CENTER FOR EQUINE STUDIES, a 31-acre JWU-owned facility in Rehoboth, Mass. The facility includes a 32-stall stable, indoor arena with interior observation area, outdoor dressage and jumping rings, all with premium wax footings. Also on the property lies a four acre practice jumping field with wooded trails. The facility is reserved for the university's exclusive use, with limited space for students to board their own horses.

IN SCHOOL OF ENGINEERING & DESIGN LABS including the Alan Shawn Feinstein Center for Technology & Design, students perform graphics, Web, programming, networking, database and other technology-based services for a number of clients.

IN UNIVERSITY FINANCE AND ACCOUNTING, accounting students have the opportunity to gain experience in a variety of accounting and financial functions including student payroll, accounts payable, accounting clerk functions in inventory and sales reporting, general ledger, financial reporting and budgeting, and accounting cycle functions.

The food service industry spans a range of operational facilities and outlets. Johnson & Wales University provides a variety of food service outlets that serve as practicum educational facilities for students participating in internships. The spectrum of food service operations varies from high-quantity volume production to specialized coffee and retail outlets. The following are some of the practicum educational facilities available for internships.

HARBOR VIEW at the Harborside Campus is a quantity-food facility. It serves a wide variety of fresh foods daily.

THE JOHNSON & WALES COMMISSARY is located in Harbor View at the Harborside Campus. This high-volume professional baking and state-of-the-art cook-chill facility produces desserts and pastries served universitywide.

RED SAUCE PIZZA & PASTA, located in the Harborside Academic Center at the Harborside Campus, is the latest lunch, dinner and late-night dining option. The menu features made-to-order pastas, grilled pizzas, calzones, sandwiches and farm fresh salads.

SNOWDEN DINING CENTER is located on Weybosset Street, and specializes in a variety of grilled and made-to-order items and signature sandwiches.

University Library Network

The Johnson & Wales University Library Network is comprised of the libraries of the Providence, R.I.; North Miami, Fla.; Denver, Colo.; and Charlotte, N.C. campuses. An important aspect of the network is the access it provides to resources, services and facilities shared by the Higher Education Library Information Network (HELIN), a consortium of academic, law and health sciences libraries in southern New England. Johnson & Wales University Library is also a key partner with the university's academic programs in the enhancement of student research skills through the delivery of classroom instruction, online information literacy tutorials, Web-based guides customized to the research outcomes of specific courses and curricula, plus personalized reference services delivered to students in person, over the phone, through email, online chat, or SMS. In addition, the library hosts the Scholar's Archive@JWU (<http://scholarsarchive.jwu.edu>), an open-access digital commons dedicated to preserving and promoting examples of scholarly or artistic works produced at or belonging to the university.

The main Johnson & Wales University Library facility in Providence occupies the first two floors of The Yena Center at 111 Dorrance Street. It houses the largest of the University Library Network's book, periodical and audiovisual resource collections, as well as the administrative offices of the university dean of libraries. Other resources include access to numerous online databases, computer workstations, group study rooms, private study carrels, soft seating, an electronic classroom and wireless Internet connectivity throughout the facility. Coffee, tea and light snacks can be purchased from the We Proudly Serve café, generally open according to library hours. During the academic year the library's hours are Monday through Thursday, 7:30 a.m. to midnight; Friday, 7:30 a.m. to 8 p.m.; Saturday, 10 a.m. to 7 p.m.; and Sunday, 11 a.m. to midnight. Professional reference services are available Monday through Thursday, 8 a.m. to 10 p.m.; Friday and Saturday, 8 a.m. to 6 p.m.; and Sunday, 2 to 10 p.m. Note that schedules are subject to change during exam weeks, term breaks, holidays and over the summer.

Library collections and services at the Harborside Campus are located in The Friedman Center at 321 Harborside Boulevard and primarily support the curricula for the College of Culinary Arts, with ancillary resources available for graduate programs. Like its Downtown affiliate, this facility provides access to

online databases, computer workstations, group study rooms and wireless Internet connectivity, as well as numerous books, periodicals and audiovisual resources. In addition, this library holds an important collection numbering in the thousands of restaurant menus from around the world. Hours of operation during the academic year are Monday through Thursday, 7:30 a.m. to midnight; Friday, 7:30 a.m. to 10 p.m.; Saturday, 8 a.m. to 7 p.m.; and Sunday, 11 a.m. to midnight. Professional reference services are available Monday through Thursday, 8 a.m. to 10 p.m.; Friday, 9 a.m. to 5 p.m.; Saturday, 8 a.m. to 3 p.m. and Sunday, 2 to 10 p.m.

Culinary Arts Museum at Johnson & Wales University

Located in The Friedman Center at 315 Harborside Boulevard on the Harborside Campus, the Culinary Arts Museum at JWU is an educational resource for Johnson & Wales University, the community-at-large, food scholars and the food service industry. The Culinary Arts Museum at JWU seeks to both preserve and interpret the broad culinary and hospitality heritage addressed by the university. It is a showcase for 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, the development of culinary equipment and technology, the diverse menus offered and the places where people dine.

Since its founding in 1989, the Culinary Arts Museum has acquired several substantial donations and individual gifts which are in need of varying degrees of additional documentation and conservation. Starting May 20, 2013, Johnson & Wales University conducted a comprehensive inventory of the holdings, a collection estimated to be more than 250,000 items.

Computer Laboratories

Johnson & Wales University has computer labs (<http://www.jwu.edu/content.aspx?id=6584>) 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.

Lab locations are

Downcity Campus

Xavier Computer Labs

Xavier Academic Complex — 2nd floor
259 Pine Street, Providence, R.I.
401-598-1537

Harborside Campus

Harborside Computer Labs
Harborside Academic Center
265 Harborside Boulevard, Providence, R.I.
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 term, each room is provided with a MicroFridge®, which students may opt to rent for the rest of the year, with the exception of Renaissance Hall, The Cove and Harborside Village, which feature full-size refrigerators. Students are allowed only one MicroFridge per room.

Downcity Campus

The Cove

1 Park Row West, Providence, R.I.
401-680-7780

The Cove is open to sophomores, juniors and seniors and is located Downcity near the train station and a short walk from campus. This hall has two-, three- and four-person apartments which feature gourmet kitchens, stainless steel appliances, granite counter-tops and hardwood floors. Bedrooms are carpeted and a washer/dryer is provided in each apartment unit (no card or coin required). Residents of The Cove are required to agree to abide by a community policy agreement as a condition to residing in The Cove. There is no meal plan included at this hall. Students can purchase Wildcat Meals from Student Academic & Financial Services.

Imperial Hall

15 Hospital Street, Providence, R.I.
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 Street, Providence, R.I.
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 engineering & design, business, hospitality, arts & sciences and culinary arts 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 Street, Providence, R.I.
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 Street, Providence, R.I.
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 upperclassmen. It also houses a dining center featuring grilled-to-order items and signature sandwiches. Student parking is not available at this hall.

Xavier Hall

60 Broad Street, Providence, R.I.
401-598-1496

Xavier Hall, adjacent to the Xavier Academic Complex, has a limited number of single-occupancy rooms for upperclass 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 Avenue, Providence, R.I.

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 Boulevard, Cranston, R.I.
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 upperclassmen and some first-year students. There is limited parking available.

Harborside Village

100 Harborside Boulevard, Providence, R.I.
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 Avenue, Cranston, R.I.

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 hotel 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, Market Place, Red Sauce Pizza & Pasta, Red Mango, Clock Tower Lounge, Snowden Dining Center, City Burger, 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 (<http://catalog.jwu.edu/handbook/student-services/campusdining>).

Accreditations and Approvals

Johnson & Wales University (JWU) is accredited by the New England Association of Schools and Colleges Inc. (NEASC), through its Commission on Institutions of Higher Education. This accreditation encompasses the university's four campuses in Providence, Rhode Island; North Miami, Florida; Denver, Colorado; Charlotte, North Carolina; and its online programs. Inquiries regarding JWU's accreditation status should be directed to the Office of the Provost, Johnson & Wales University, One Weybosset Hill, Sixth Floor, 33 Broad Street, Providence RI, 02903; phone: 401-598-1410. Individuals may also contact:

Commission on Institutions of Higher Education
New England Association of Schools and Colleges
3 Burlington Woods Drive, Suite 100
Burlington, MA 01803-4531
Toll-free phone: 888-88-NEASC
Email (cihe@neasc.org)

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

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

JWU is listed in the Education Directory of Colleges & Universities issued by the U.S. Department of Education.

JWU, its faculty, and members of the administrative staff hold affiliation with numerous organizations.

Johnson & Wales University will make available for review to any enrolled or prospective student, upon request, a copy of the documents describing the institution's accreditation, approval or licensing. This information, as well as contact information for accreditors, may be obtained by contacting the Associate Provost for Planning and Institutional Effectiveness, Office of the Provost, Johnson & Wales University, One Weybosset Hill, Sixth Floor, 33 Broad Street, Providence, RI, 02903; phone: 401-598-1359.

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

North Miami Campus: JWU is licensed by the Commission for Independent Education, Florida Department of Education. Additional information regarding the institution may be obtained by contacting the Commission at 325 West Gaines Street, Suite 1414, Tallahassee, FL, 32399-0400; toll-free phone: 888-224-6684.

Denver Campus: The Colorado Commission on Higher Education has authorized JWU under the Degree Authorization Act to offer instruction leading to the award of credits and/or degrees in Colorado.

Charlotte Campus: The Board of Governors of the University of North Carolina has licensed JWU under G.S. 116-15(b) to conduct degree activity in North Carolina.

Providence and Denver Campuses — B.S. in Culinary Nutrition Program:

The Providence Campus and Denver Campus Culinary Nutrition programs are accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), 120 South Riverside Plaza, Suite 2000, Chicago, IL, 60606-6995; phone: 312-899-0040, ext. 5400. The Providence Campus and Denver Campus Didactic Programs in Dietetics (DPD) meet the standards of education set by ACEND.

Providence Campus — M.S. in Physician Assistant Studies: The Accreditation Review Commission on Education for the Physician Assistant (<http://www.arc-pa.org>) (ARC-PA), the accrediting agency that defines the standards for PA education within the territorial U.S., has granted Accreditation-Provisional status to the Physician Assistant Studies Program at Johnson & Wales University.

About Provisional Status: Accreditation-Provisional is an accreditation status. The status indicates that the plans and resource allocation for the proposed program appear to demonstrate the program's ability to meet the ARC-PA Standards, if fully implemented as planned. Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class. Successful graduates will receive a Master of Science in Physician Assistant Studies (M.S.P.A.S.) from JWU and will be qualified to take the Physician Assistant National Certification Exam (PANCE) that is required for licensure as a physician assistant.

Online Campus: Johnson & Wales University offers online B.S. and master's degree programs in business and hospitality and is required to publish information regarding certain state approvals of these programs.

Johnson & Wales University is registered as a private institution with the Minnesota Office of Higher Education pursuant to sections 136A.61 and 136A.71. Registration with the Minnesota Office of Higher Education is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

The South Carolina Commission on Higher Education, 1122 Lady Street, Suite 300, Columbia, SC, 29201 (phone: 803-737-2260), licenses Johnson & Wales University to recruit South Carolina students into its programs. Licensure indicates only that minimum standards have been met; it is not an endorsement or guarantee of quality.

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 Academic & Financial Services.

Notice of Nondiscrimination

Johnson & Wales University does not discriminate unlawfully on the basis of race, religion, color, national origin, age, sex, sexual orientation, gender identity or expression, genetic information, disability, status as a protected veteran, pregnancy or marital status, or any other unlawful basis in admission to, access to, treatment of, or employment in its programs and activities.

The nondiscrimination coordinator (<http://www.jwu.edu/content.aspx?id=30064775503>) (who is also the university's Title IX coordinator and section 504 coordinator) has been designated to carry out the university's responsibilities under all federal and state discrimination laws, including, but not limited to, Title IX of the Education Amendments of 1972 (Title IX),

Section 504 of the Rehabilitation Act of 1973 (504), the Age Discrimination Act of 1975, Title VII of the Civil Rights Act of 1964 and the Americans with Disabilities Act of 1990. **For contact information for the nondiscrimination/ Title IX coordinator, please refer to the campus nondiscrimination liaisons Web page** (<http://www.jwu.edu/content.aspx?id=30064775503>).

The university's full Prohibited Discrimination and Harassment (including Sexual Harassment) Policy is included in the Student Handbook (<http://catalog.jwu.edu/handbook/generalinformationandpolicies/discriminationandharassment>) for each campus (available on the university's website (http://www.jwu.edu/uploadedFiles/Documents/Policies_and_Procedures/JWUProhibitedDiscriminationHarassmentPolicy.pdf) or upon request to Equity & Compliance Services (Equity&ComplianceServices@jwu.edu)).

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

Office for Civil Rights (<http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm>), U.S. Department of Education, Customer Service Team, 400 Maryland Avenue, SW, Washington, DC, 20202-1100, 800-421-3481. This office may refer the matter to a regional Office for Civil Rights.

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 Street, 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

Florida:

- Equal Employment Opportunity Commission, Miami Tower, 100 SE 2nd Street, Suite 1500, Miami, FL, 33131, 800-669-4000
- Florida Commission on Human Relations, 4075 Esplanade Way, Room 110, Tallahassee, FL, 32399, 850-488-7082

Colorado:

- Equal Employment Opportunity Commission, 303 East 17th Avenue, Suite 410, Denver, CO, 80203, 800-669-4000
- Colorado Civil Rights Division, 1560 Broadway, Suite 1050, Denver, CO, 80202-5143, 303-894-2997

North Carolina:

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

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- Ernest Mayo, J.D., professor; B.A., Clark University; M.A., Providence College; M.C.J., Boston University; J.D., University of Miami
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- Patricia Brady Wilhelm, Ph.D., department chair, professor; B.A., Cornell University; Ph.D., Brown University

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- Thomas P. DiPaola, Ph.D., director, educational leadership program
- Laura Galligan, Ph.D. acting department chair, equine studies
- Alison Goodrich, Ph.D., J.D., department chair, criminal justice
- David Newman, M.A., department chair, counseling psychology
- Karen Swoboda, Ed.D., director, teacher education

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- Crystal Taylor, M.S., associate professor; A.S., B.S., M.S., Johnson & Wales University

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- Jessica Fede, Ph.D., assistant professor; B.A., Colgate University; M.A., Boston College; Ph.D., University of Massachusetts — Amherst
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- Scott Borstel, Ed.D., associate professor; B.S., Bridgewater State College; M.Ed., Suffolk University; CAGS, Johnson & Wales University; Ed.D., Johnson & Wales University
- Robert Gable, Ed.D., professor; B.A., M.A., Ed.D., SUNY — Albany
- Stacey L. Kite, D.B.A., professor; B.S., M.S., Johnson & Wales University; DBA, Argosy University
- Jack Warner, Ed.D., associate professor; B.A., University of Vermont; M.Ed., Springfield College; Ed.D., Boston College

Teacher Education

- Denise DeMagistris, Ed.D., professor; B.A., Dunbarton College; M.Ed., Rhode Island College; Ed.D., Johnson & Wales University

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- Susan Marshall, Ed.D., associate dean, College of Culinary Arts
- William Idell, M.S., assistant dean, College of Culinary Arts
- T.J. Delle Donne, M.S., CEC, assistant dean of culinary relations & special projects
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- Edward Korry, M.A., CWE, WSET, department chair, dining room and beverage services
- Michael D. Makuch, M.S., CEC, department chair, culinary arts
- Ted McCall, Ed.D., department chair, culinary academics
- Richard Miscovich, department chair, international baking & pastry institute
- Maureen Pothier, MBA, CEC, WSET, department chair, culinary arts
- Todd Seyfarth, M.S., RD, CSSD, department chair, culinary nutrition
- Gilbert Stansfield, MBA, department chair, culinary arts

Faculty Emeritus

- Jean-Jacques Dietrich, M.Ed., CEC, CCE, professor emeritus; A.S., New York City Technological College; B.A., Hunter College; M.Ed., Johnson & Wales University
- George O'Palenick, M.A.T., CCE, CEC, AAC, chef emeritus; M.A.T., Johnson & Wales University

Faculty

- Allison Acquisto, M.A., RD, associate professor; B.S., University of Rhode Island; M.A., Johnson & Wales University
- Charles Armstrong, A.O.S., instructor; A.O.S., Culinary Institute of America
- Jeffery D. Alexander, B.S., associate instructor; B.S., Johnson & Wales University
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- Claudia Berube, instructor
- Mary Bodensiek, M.A.T., instructor; B.S., Johnson & Wales University; M.A.T., Johnson & Wales University
- Marina Brancely, A.O.S., associate instructor; A.O.S., Culinary Institute of America
- Olga Bravo, M.F.A., instructor; B.F.A., SUNY New Paltz; M.F.A., Rhode Island School of Design
- Matthew Britt, BPS, instructor; BPS, Culinary Institute of America
- Jennifer Broderick, MBA, assistant professor; B.S.W., Southern Connecticut State University; MBA, University of Phoenix
- Robert Brown, MBA, assistant professor; A.S., B.S., Johnson & Wales University; MBA, American Intercontinental University
- Tim Brown, B.S., associate instructor; B.S., The International Education Council, Sacramento Calif.
- Christoph Bruehwiler, CEPC, instructor

- John S. Chiaro, M.S., CEC, CCE, associate professor; B.A., Rhode Island College; M.S., Johnson & Wales University
- Thomas Choice, WSET, instructor
- Luminita Cirstea, A.S., CEPC, CMB instructor; A.S., Kendall College
- Kevin Crawley, B.S., associate instructor; A.S., B.S., Johnson & Wales University
- Elaine R. Cwynar, M.A.T., associate professor; A.S., M.A.T., Johnson & Wales University; B.A., University of Connecticut; Certificate of Vocational Teaching, University of Massachusetts
- 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., assistant professor; B.S., University of Rhode Island; M.A., Johnson & Wales University
- Jean-Luc Derron, associate instructor; Hotel Schwanen, Switzerland; Steinli Trade School, Switzerland, Apprenticeship; Certification, Department of Labor and Trade, Switzerland; Confiserie Bachmann, Switzerland, Apprenticeship
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- Paula Figoni, MBA, associate professor; B.S., University of Massachusetts; M.S., University of California; MBA, Simmons College
- James Fuchs, A.A.S., instructor; A.A.S., Johnson & Wales University
- Lauren V. Haas, B.S., associate instructor and department chair; B.S., Johnson & Wales University
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- Mark Harvey, A.O.S., associate instructor; A.O.S., Culinary Institute of America
- Katrina Herold, M.Ed., associate professor; B.S., M.Ed., Johnson & Wales University
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- Peter Kelly, M.L.A., associate professor; B.A., Vermont College of Norwich University; M.L.A., Boston University
- Linda Kender, M.A., CFE, CP-FS associate professor; A.S., B.S., M.A., Johnson & Wales University
- Juergen Knorr, CEC, instructor; European Apprenticeship
- Edward Korry, M.A., CWE, WSET, FDRP, department chair, associate professor; B.A., University of Chicago; M.A., University of Cairo
- Jean-Louis Lagalle, B.S., associate instructor; A.O.S., B.S., Johnson & Wales University
- Susan Lagalle, B.S., CEPC, associate instructor; B.S., Johnson & Wales University
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- Francis Mullaney, A.O.S., instructor; A.O.S., Culinary Institute of America
- Mitchell Murad, M.Ed., assistant professor; A.S., B.S., Johnson & Wales University; M.Ed., Fitchburg State University
- Neath Pal, instructor; Grand Diplome, La Varenne École de Cuisine
- 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, associate professor; B.A., New England Culinary Institute; MBA, Johnson & Wales University
- David Petrone, B.S., CWC, CCE, CFE, associate instructor; A.O.S., B.S., Johnson & Wales University
- Linda Pettine, M.A.T., WSET, FDRP, Certified TIPS Trainer, associate professor; A.A., Massachusetts Bay Community College; B.A., North Adams State College; M.A.T., Johnson & Wales University
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- Jonathan Poyourow, M.A., assistant professor; B.S., Johnson & Wales University; M.A., Liberty University
- Thomas J. Provost, WSET, instructor
- David Ricci, instructor
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- Barbara Robinson, M.P.H., RD, CNSC, associate professor; M.S., Boston University
- Ronda Robotham, M.A.T., associate professor; A.S., B.S., M.A.T., Johnson & Wales University
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- Victor Smurro, M.A.T., associate professor; A.O.S., Westchester Community College; B.A., M.A.T., Johnson & Wales University
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- Robert Zielinski, A.S., associate instructor; A.S., Johnson & Wales University
- Russ Zito, M.S., associate professor; A.O.S., B.S., M.S., Johnson & Wales University

School of Engineering & Design

Administration

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

Department Chairpersons

- Deana Marzocchi, M.S., department chair, design
- Lisa Nademlynsky, MBA, department chair, technology resource & education center
- Kathryn Parchesco, M.S., department chair, engineering and information technologies

Faculty

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- Stephen Andrade, M.Ed., associate professor; B.A., University of Rhode Island; M.Ed., Northeastern University
- Jeff Drury, M.F.A., assistant professor; B.A., Rhode Island College; M.F.A. Rhode Island School of Design
- Jonathan Harris, M.I.D., assistant professor; B.A., University of Wisconsin-Madison; M.I.D., Rhode Island School of Design, LEED-AP
- Karyn Jimenez-Elliott, M.F.A., assistant professor; B.F.A., Moore College of Art & Design; M.F.A, University of the Arts
- Deana Marzocchi, M.S., department chair, assistant professor; B.S., Rhode Island College; B.S., M.S., Salve Regina University
- Eugene Santos, M.A., instructor; B.A., M.A., Rhode Island College
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Computer and Information Science

- Tom Calabrese, Ph.D., professor; B.S., New York University; M.S., Villanova University; Ph.D., University of Connecticut
- Michael Gendron, MBA, assistant professor; B.S., Rhode Island College; MBA, Bryant College; C.N.E., Roger Williams University; C.N.I., Novell
- 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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Engineering and Information Technologies

- Christie Bielmeeir, A.B.D., associate professor, B.A., Rochester Institute of Technology; M.S., Rochester Institute of Technology; A.B.D., University of Massachusetts Lowell
- Sol Neeman, Ph.D., professor; B.S., Israel Institute of Technology; M.S., Rhode Island College; M.S., Johnson & Wales University; Ph.D., University of Rhode Island
- Kathryn Parchesco, M.S., department chair, associate professor; B.A., Marquette University; M.S., Johnson & Wales University
- Wai Yung, M.S., assistant professor; B.S., M.S., University of Rhode Island

Innovation Lab

- Jeff Tagen, B.A., coordinator of academic innovation; B.A., University of Rhode Island

Technology Resource and Education Center

- Deborah Canning, M.S., instructor; B.S., Syracuse University; M.S., California State University
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- Stephen Sullivan, MBA, assistant professor; B.S., MBA, University of Rhode Island
- Katharine Taylor, MBA, assistant professor; A.S., Bryant University; B.S., New England Institute of Technology; MBA, American Intercontinental University

College of Management

Administration

- Louis D'Abrosca, Ed.D., dean, School of Business
- Kathleen Grady, MBA, assistant dean, School of Business
- Paul McVety, Ed.D., dean, School of Hospitality
- Robert A. Fink, Ed.D., CHE, assistant dean, School of Hospitality

School of Business

Deans

- Louis D'Abrosca, Ed.D., dean, School of Business
- Kathleen Grady, MBA, assistant dean, School of Business

Department Chairpersons

- Elizabeth Cannata, MBA, interim department chair, accountancy and finance
- Anthony Fruzzetti, Ed.D., department chair, marketing
- Erin Wilkinson Hartung, DBA, department chair, graduate studies
- Mehdi Moutahir, MBA, department chair, management

Faculty Emerita

- 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

Accountancy and Finance

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- Marie L. Higgins, J.D., MBA, CPA, professor; B.S., University of Rhode Island, MBA, Bryant College; J.D., New England School of Law
- Jean Holt, M.S., associate professor; B.S., M.S., Johnson & Wales University
- Stevan Labush, MBA, associate professor; B.S., MBA, Johnson & Wales University
- Peter A. Martino III, MBA, CPA, CGFM, associate professor; B.S., University of Rhode Island; MBA, Bryant College
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- Patricia A. Robinson, M.S.A., CHAE, associate professor; B.S., University of Massachusetts; M.S.A., Bentley College
- Patricia Conn Ryan, M.S., CPA, assistant professor; B.S., University of Rhode Island; M.S., Northeastern University
- Corey Smith, MBA, assistant professor; B.S., Bryant University; MBA, University of Massachusetts

Management

- Christina Coles, Ph.D., associate professor; Diploma, Ph.D., University of Siegen, Germany
- Frank Duchala, M.P.A., associate professor; B.S., State University of New York - Oneonta; M.A., M.P.A., State University of New York - Albany
- Joanne M. Galenski, M.S., associate professor; B.S., M.S., Johnson & Wales University
- Mark Goudreau, MBA, associate professor; B.S., Rhode Island College; MBA, Providence College
- John Gounaris, M.S., associate professor; B.A., University of Massachusetts; M.S., New York University
- Paul Gounaris, M.A., associate professor; B.A., Northeastern University; M.A., University of Massachusetts - Amherst
- David Hood, MBA, instructor; B.S., Johnson & Wales University; MBA, Johnson & Wales University; MBA, Rhode Island College
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- John D. Varlaro, Ph.D., associate professor; B.A., Ithaca College; M.B.A., University of Hawaii at Manoa; Ph.D., The Chicago School of Professional Psychology
- Paul Zwolenski, MBA, assistant professor; B.S., Bryant University; MBA, Johnson & Wales University

Marketing

- Peter Bortolotti, MBA, associate professor; B.A., University of Connecticut; MBA, Pennsylvania State University
- Elizabeth Carey, MBA, assistant professor; A.B., College of the Holy Cross; MBA, Providence College
- Oscar Chilabato, MBA, associate professor; B.S., MBA, Providence College
- Janice V. Fidgeon, MBA, assistant professor; B.S., University of Massachusetts — Dartmouth; MBA, Johnson & Wales University
- Patricia Fisher, MBA, associate professor, marketing; A.S., B.S., MBA, Johnson & Wales University
- Anthony Fruzzetti, Ed.D., department chair, professor; A.S., Bristol Community College; B.S., Johnson & Wales University; MBA, Suffolk University; Ed.D., Johnson & Wales University
- Bernard Kenney, MBA, assistant professor; B.S., Boston College; MBA, Suffolk University
- Diane McCrohan, MBA, associate professor; B.S., University of Rhode Island; MBA, Bryant University
- Michelle Rego, MBA, associate professor; B.S., University of Massachusetts; MBA, Bryant University
- Phyllis Plunkett, M.S., assistant professor; B.A., M.S., Simmons College
- Kristen Regine, DBA, professor; B.S., Johnson & Wales University; M.S.M., Lesley College; DBA, Argosy University
- Christine Ure, MBA, associate professor; B.S., Boston College; MBA, Colorado State University

School of Hospitality

Department Chairpersons

- Karen E. Silva, Ed.D., CHE, department chair, International Hotel School
- Michael Sabitoni, M.S., CHE, department chair, Food & Beverage Management; International Travel/Tourism Studies
- Louis A. Pullano, M.S., CHE, department chair, Sports, Entertainment & Event Management

Faculty

Food & Beverage Management

- Ronald I. Blum Jr., M.S., 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
- Donna J. Faria, M.S., CHE, associate professor; A.S., B.S., M.S., Johnson & Wales University
- James E. Griffin, Ed.D., CEC, CCE, associate professor; B.S., M.S., Johnson & Wales University; Ed.D., Boston University

- William Jarvie, M.A., FMP, CHE, associate professor; A.O.S., Johnson & Wales University; B.A., Michigan State University; M.A., Empire State College
- Nicholas Makris, MBA, assistant professor; B.S., MBA, Johnson & Wales University
- Michael Sabitoni, M.S., CHE, FMP, department chair, associate professor; A.S., B.S., M.S., Johnson & Wales University
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- Douglas Stuchel, MAT, 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. Warener, MBA, CHE, associate professor; B.A., Harvard University; MBA, University of Rhode Island

Sports, Entertainment & Event Management

- Elizabeth Covino, M.S., CHE, associate professor; B.A., University of Connecticut; M.S., Springfield College
- Kathleen Drohan, M.A.T., CHE, associate professor; B.S., University of Rhode Island; M.A.T., Johnson & Wales University
- Brenda Kay Eckler, MBA, assistant professor; A.A.S., SUNY Cobleskill; A.A.S., Schenectady County Community College; B.B.A., SUNY Delhi; MBA, SUNY Albany
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- Andrew Fraser, M.Ed., associate professor; B.S., M.Ed., Temple University
- Michel Gilbert, MBA, associate professor; B.S., MBA, Johnson & Wales University
- Patrick Leary, Ed.D., CHE, associate professor; B.A., Providence College; M.S., Canisius College; Ed.D., Northeastern University
- David T. Morris, M.S., CHE, associate professor; B.S., Presbyterian College; M.S., Georgia State University
- Louis A. Pullano, M.S., CHE, department chair, associate professor; B.S., M.S., University of Rhode Island
- Elizabeth Van Patten, M.S., CHE, associate professor; B.S., St. John's University; M.S., University of Illinois

International Travel/Tourism Studies

- Eldad Boker, Ed.D., CHE, professor; B.S., Maryland University; M.A., Ed.D., George Washington University
- Christopher DeSessa, M.Ed., CHE, CTC, associate professor; B.A., M.Ed., Rhode Island College
- Bryan J. Lavin, MBA, assistant professor; B.S., Worcester State University; MBA, Johnson & Wales University
- Tiffany Rhodes, D.Min., assistant 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, department chair, associate professor; A.S., B.S., M.S., Johnson & Wales University

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; 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
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- Debbie C. Howarth, M.S., CHME, M.H.A., CHE, associate professor; B.S., University of Vermont; M.S., University of Nevada, Las Vegas
- Leslie Kosky, M.Ed., CHE, associate professor; B.A., University of Delaware; M.Ed., University of Guam
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- Magnus Thorsson, M.A.T., C.H.E, assistant professor; B.S., Johnson & Wales University; M.A.T., Bennington College
- Robert B. Wahl, M.S., associate professor; B.S., M.S., Johnson & Wales University
- Rex Warren, M.S., assistant professor; B.S., M.S., University of Nevada, Las Vegas
- Peter Zacchilli, M.S., CHE, associate professor; B.S., University of Massachusetts; M.A., Lesley College

Graduate

Administration

Gary G. Gray, Ph.D., associate dean, School of Business

Faculty

- Roger Achille, J.D, professor, management; B.A., Clark University; J.D. Suffolk University
- Paul Boyd, Ph.D, professor, research and analysis; B.S., Union College; M.S., Arizona State University; Ph.D., University of Pennsylvania
- Ron DiBattista, Ph.D., associate professor, management; B.S., M.S., University of Rhode Island; Ph.D., Arizona State University
- Kevin M. Fountain, J.D., CPA, professor, accounting, finance; B.S., B.A., M.S.T., Bryant College; J.D., Suffolk University Law School
- Gary G. Gray, Ph.D., Associate Dean, School of Business, professor, management, marketing; B.A., Rhode Island College; CAGS, MBA, Babson College; Ph.D., Salve Regina University
- Timothy Howes, M.S., associate professor, finance; B.A., University of New Hampshire; M.S., Boston College
- Min Gyung Kim, Ph.D., associate professor, hospitality; B.A., Pusan National University; M.S., Michigan State University; Ph.D., Pennsylvania State University
- John Krupa, Jr., DBA, professor, management, marketing; B.S., Bryant College; MBA, Providence College; M.A., Rhode Island College; DBA, Northcentral University
- Christine Perakslis, Ed.D., associate professor, management; B.S., University of Massachusetts at Lowell; M.S.M., Bridgewater State University; CAGS, Ed.D., Johnson & Wales University
- Stephen Poplaski, CPA, CFP®, assistant professor, finance; B.S., Johnson & Wales University; M.S., Bentley University; MBA, University of New Haven
- Elizabeth Robson, J.D., assistant professor, international business; B.A., Boston College; J.D., Stetson University
- Frank Satterthwaite Jr., Ph.D., professor, organizational leadership; A.B., Princeton University; M.U.S., M.Phil., Ph.D., Yale University
- Martin Sivula, Ph.D., associate professor, research; B.S., M.Ed., Fitchburg State College; Ph.D., University of Connecticut

College of Online Education

Administration

- Cynthia L. Parker, MBA, Ed.D., dean, College of Online Education
- Amy Ricci, M.A., MBA, director of online education
- David Cartwright, M.S., CPA, academic director of online programs

Faculty

- Roger Achille, J.D., professor; B.A., Clark University; J.D., Suffolk University
- Stephen Andrade, M.Ed., associate professor; B.A., University of Rhode Island; M.Ed., Northeastern University
- Mary Barszcz, M.A., associate professor; B.A., Providence College; M.A., Rhode Island College
- Julie Bilodeau, DBA, associate professor; A.S., B.S., MBA, Johnson & Wales University; DBA, Argosy University
- Ronald Blum, M.A., associate professor; B.A., Mercyhurst College; M.A., Johnson & Wales University

- Jane Boyland, M.S., associate professor; A.A.S., Johnson & Wales University; B.S., University of New Hampshire; M.S., University of Massachusetts — Amherst
- Michael Budziszek, Ph.D., assistant professor; B.S., M.S., Ph.D., University of Rhode Island
- Elizabeth Carey, MBA; assistant professor; A.B., College of the Holy Cross; MBA, Providence College
- John S. Chiaro, M.S., CEC, CCE, associate professor; B.A., Rhode Island College; M.S., Johnson & Wales University
- Michael Childers, J.D., professor; B.B.A., B.S., University of North Carolina; J.D., Wake Forest University
- Elizabeth Covino, M.S., CHE, associate professor; B.A., University of Connecticut; M.S., Springfield College
- Nadine Dame, M.S., professor; B.S., Union College; B.A., Colorado State University; M.S., Colorado School of Mines
- Catherine Davin, M.S., associate professor; B.S., M.S., Cornell University
- Michaela DeCataldo, Ph.D., associate professor; A.S., Community College of Rhode Island; B.A., Rhode Island College; CAGS, Ph.D., Salve Regina University
- Sandra Dugan, MBA, associate professor; A.S., Art Institute of Colorado; B.S., Colorado State University; MBA, Regis University
- Laura Egelin, Ph.D., associate professor; A.A.S., Fashion Institute of Technology; B.S., Purdue University; MBA, University of North Carolina; Ph.D., University of North Carolina
- Lee Eskilsen, M.S., CFE, CHE, associate professor; A.S., Dean College; B.S., Bowling Green State University; M.S., Indiana University
- Maureen Farrell, Ph.D., professor; B.A., M.A., University of Rhode Island; Ph.D., University of Notre Dame
- Andrew Fraser, M.Ed., associate professor; B.S., M.Ed., Temple University
- Laura Gabiger, Ph.D., professor; B.A., State University of New York — Buffalo; M.A., Ph.D., University of North Carolina, Chapel Hill
- Marian Gagnon, Ph.D., professor; B.A., University of Rhode Island; M.A.T., Johnson & Wales University; Ph.D., The Union Institute University
- Tamara Garcia, M.A., associate professor; A.A., Finger Lakes Community College; B.A., Ithaca College; M.A., Middlebury College
- James Griffin, Ed.D., associate professor; A.O.S., B.S., M.A.T., Johnson & Wales University; Ed.D., Boston University
- Adam Hartman, Ph.D., assistant professor; B.S., George Washington University; B.A., George Washington University; Ph.D., Brown University
- Samer Hassan, Ph.D., professor; B.S., M.S., Ph.D., Helwan University
- Mark Hengen, M.S.F., associate professor; B.S., Michigan State University; M.S.F., Yale University
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- Susan Hirst, M.A.T., associate professor; B.A., University of Rhode Island; M.A.T., Rhode Island College
- David Hood, MBA, instructor; B.S., MBA, Johnson & Wales University
- Timothy Howes, M.S., associate professor; B.A., University of New Hampshire; M.S., Boston College
- 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
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- Patrick Leary, Ed.D., CHE, associate professor; B.A., Providence College; M.S., Canisius College; Ed.D., Northeastern University
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- Robert Lothrop, MBA, professor; A.A.S. B.S., Johnson & Wales University; MBA, University of Phoenix
- Andrea Luoma, Ph.D., associate professor; B.A., St. Cloud State University; M.A., Ph.D., Washington State University
- Sarah Malik, MBA, associate professor; B.S., Manchester Metropolitan University; MBA, Oxford Brookes University
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- Mehdi Moutahir, MBA, associate professor; A.S., B.S., MBA, Johnson & Wales University
- Lisa Nademlynsky, MBA, associate professor; A.S., B.S., Johnson & Wales University; MBA, Providence College
- David Newman, M.A., associate professor; B.A., Rutgers University; M.A., University of Chicago; M.A., Brown University
- Anice O'Connor, Ph.D., professor; B.A., Westfield State College; M.A., State University of New York, Fredonia; Ph.D., Salve Regina University
- Scott Palmieri, Ph.D., professor; B.A., Providence College; M.A., University of Rhode Island; Ph.D., Salve Regina University
- Thomas Pandolfini Jr., M.A., associate professor; B.A., M.A., Rhode Island College
- Richard Pinder, M.A.T., instructor; B.A., Oakwood College; M.A.T., Andrews University
- Stephen Poplaski, MBA, assistant professor; B.S., Johnson & Wales University; M.S., Bentley University
- CharLee Puckett, B.S., associate instructor; B.S., Eastern New Mexico University
- Louis Pullano, M.S., CHE, associate professor; B.S., M.S., University of Rhode Island
- Kristen Regine, DBA, professor; B.S., Johnson & Wales University; M.S.M., Lesley College; DBA, Argosy University
- Elizabeth Robson, J.D., assistant professor, international business; B.A., Boston College; J.D., Stetson University
- Matthew Samel, Ph.D., CHE, FMP, professor; A.S., Hagerstown Community College; A.S., B.S., MBA, Johnson & Wales University; Ph.D., Capella University
- Donald Schoffstall, Ph.D., assistant professor; A.S., B.S., Johnson & Wales University; M.S., Robert Morris University; Ph.D., Iowa State University
- Desiree Schuler, M.A., associate professor; B.S., M.A., Rhode Island College
- Alana Sherrill, M.A., assistant professor; B.A., University of North Carolina Charlotte; M.A., Gardner-Webb University
- Jessica Sherwood, Ph.D., assistant professor; B.A., Wesleyan University; M.S., Ph.D., North Carolina State University
- Karen E. Silva, Ed.D., CHE; professor; B.A., University of Massachusetts — Amherst; M.A., Rhode Island College; Ed.D., Boston University
- Scott Smith, Ph.D., professor; B.S., State College of Denver; MBA, University of Colorado, Boulder; Ph.D., Colorado State University
- Roland Sparks, DBA, CPM, PE, professor; B.S., University of New Hampshire; MBA, M.S., DBA, Southern New Hampshire University
- Emily Spitzman, Ph.D., assistant professor; B.A., Brown University; M.A., School for International Training; Ph.D., University of Rhode Island/Rhode Island College
- Gail St. Jacques, M.S., associate professor; B.A., Syracuse University; M.S., Salve Regina University
- Christine Stamm, Ed.D., professor; A.S., B.S., M.S., Johnson & Wales University; Ed.D., Boston University
- Douglas Stuchel, M.A.T., CHE, associate professor; A.S., B.S., M.A.T., Johnson & Wales University
- Piyavan Sukalamala, Ph.D., associate professor; B.I.D., M.S., Ph.D., Texas Tech University
- Ryan Tainsh, M.S., associate professor; B.A., M.S., University of Rhode Island
- Janice Taraborelli, M.A., associate professor; B.A., M.A., University of Rhode Island
- Elizabeth Van Patten, M.S., CHE, associate professor; B.S., St. John's University; M.S., University of Illinois
- Geraldine E. M. Wagner, Ph.D., professor; B.A., Brooklyn College; M.A., Ph.D., Brown University
- Robert Wahl, M.S., C.H.E, associate professor; A.S., B.S., M.S., Johnson & Wales 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., associate professor; B.S., Cornell University; M.A., Columbia University; Ph.D., Texas A & M
- Carla White, Ph.D., instructor; B.A., Wheelock College; M.A., University of Rhode Island; Ph.D., Capella University
- Alistair Williams, Ph.D., CHE, WSET, associate professor; B.S., Sheffield Hallam University; M.Sc., University of Huddersfield; Ph.D., Leeds Beckett University
- Erin Wynn, M.A., associate professor; B.S., New York University; M.A., Hunter College
- Pam Young, Ed.D., assistant professor; B.S., Bowling Green State University; MBA, St. Thomas University; Ed.D., University of Miami
- Manasseh Zechariah, Ph.D., associate professor; B.Sc., Calcutta University; M.A., Jawaharlal Nehru University; Ph.D., University of California, Irvine

Center for Physician Assistant Studies

Administration

- George S. Bottomley, D.V.M., PA-C, director of physician assistant program
- Katie Spolidoro, physician assistant admissions counselor
- Maureen Gardiner, physician assistant program administrative coordinator
- Adam Wolny, coordinator of clinical placement, assessment and technology

Faculty

- George S. Bottomley, D.V.M., PA-C, professor; D.V.M., Michigan State University; PA-C, Yale University School of Medicine
- Anthony Mega, M.D., associate professor and medical director; B.A., Brown University; M.D., Dartmouth Medical School
- Rebecca Lovell Scott, Ph.D., PA-C, associate professor and academic coordinator; B.A., Beloit College; M.A., Appalachian State University; PA-C, Bowman Gray School of Medicine; Ph.D., University of South Carolina
- Christine Garro, PA-C, M.S., assistant professor and clinical coordinator; B.S., University of Illinois Urbana-Champaign; M.S., Rosalind Franklin University of Medicine and Science
- Thomas P. Meehan, Ph.D., PA-C, assistant professor; B.S., University of Georgia; M.P.A.S., Baylor College of Medicine; Ph.D., University of Georgia
- Victoria P. Miller, PA-C, MT, assistant professor, B.S., University of Rhode Island; PA-C, Yale University School of Medicine
- Mallory J. Sullivan, PA-C, M.P.A.S., assistant professor and associate clinical coordinator; B.S., Roger Williams University; M.P.A.S., Massachusetts College of Pharmacy and Health Sciences

Department Directories *

Administration

Office of the Chancellor

- John J. Bowen, M.M., DBA (hon.), chancellor, president and chief executive officer
- Thomas L. Dwyer, MBA, vice chancellor and provost
- Emily A. Gilcreast, B.S., chief of staff and university secretary

Office of the General Counsel

- Bud Remillard, J.D., associate general counsel
- Denielle M. Burl, J.D., assistant general counsel
- Everett Brooks, M.S., director of community relations

Office of the Providence Campus President and Chief Operating Officer

- Mim L. Runey, LP.D., Providence Campus president and chief operating officer
- Cara Rooney, MBA, director of executive services
- Diane Millard, B.S., executive assistant to the Providence Campus president and chief operating officer

Office of the Provost

- Thomas L. Dwyer, MBA, vice chancellor and provost
- Lily S. Hsu, Ed.D., vice provost
- Billye W. Auclair, Ph.D., associate provost
- Eileen DeMagistris, M.Ed., director of institutional effectiveness
- Jennifer Galipeau, M.S., director of outcomes assessment

Admissions

- Kenneth DiSaia, MBA, senior vice president of enrollment management
- Jeanne Blanchette, B.S., admissions recruitment analyst
- Rick Daniels, B.S., director of admissions guest experience
- Thomas Gauthier, M.S., director of educator partnerships and scholarship programs
- Kim Hodges, B.S., director of admissions research & planning
- Joanne McQuesten, MBA, director of continuing education admissions
- Teresa Mauk, M.A.T., director of graduate admissions
- Rita Mulligan, M.S., director of international admissions operations
- James Olick, B.S., director of admissions systems and operations
- Caroline Pelland, MBA, admissions campus liaison
- Amy Podbelski, B.A., director of admissions
- William Priante, B.S., dean of admissions
- James Richard, B.S., director of culinary admissions
- Al Seitz, MBA, director of the admissions representative network
- Manny Tavares, M.Ed., dean of international recruitment and training
- Patricia VanWormer, B.A., director of admissions marketing

Campus Safety & Security

- Michael P. Quinn, M.A., chief security officer

Center for Academic Support (Downcity Campus) and Alan Shawn Feinstein Center for Academic Support (Harborside Campus)

- Mary Ann Canning McComiskey, M.S.W., director of the center for academic support
- Ann Roccio, M.A., academic support advisor
- Hinda Levin-Kreiger, M.S., academic support advisor
- Meryl Precourt, M.S., academic support advisor
- Shelly Olausen, M.Ed., academic support advisor
- Donna Della Porta, M.Ed., academic support advisor
- Jeannine R. Beauvais, B.S., learning center supervisor

Compliance, Internal Audit & Risk Management

- Sandra Lawrence, A.S., CCEP, compliance associate
- Matthias Rubekeil, J.D., compliance associate
- Piya Sarawgi, MBA, compliance and risk management communications manager

Experiential Education & Career Services

- Maureen Dumas, M.Ed., vice president of experiential education & career services
- Sheri L. Young, M.S., dean of experiential education & career services
- Akanksha Aga, MBA, associate director of employer relations
- Andrea Frost, MBA, assistant director of experiential education
- Donna Remington, MBA, assistant director of career services

Facilities Management/Physical Plant

- Rob Taylor, B.S., CPE, vice president of facilities and construction management

Finance

- Joseph J. Greene Jr., M.S., CPA, treasurer and chief financial officer
- Maria Rix, B.S., university controller
- Akhil Gupta, M.Sc., executive director of university procurement & budget
- Mary Craig, B.S., university budget director
- Nancy J. O'Neill, CPCU, ARM, insurance and property risk manager

Human Resources & Payroll

- Diane D'Ambra, M.S., SPHR, SHRM-SCP, vice president of human resources
- Rebecca Tondreau, B.A., director of human resources
- Christine Oliver, B.S., director of benefits
- Frances Harnois, A.S., CPP, director of payroll
- Diane Bonin, B.S., director of student employment
- Karen Almond, M.S., director of employee recruitment
- Lois Kelly, M.A., director of employee development institute

International Center

- Shelley Stephenson, Ph.D., dean of international programs and development
- Wesley D. Roy, M.S., director of international student services
- Loren Intolubbe-Chmil, Ph.D., director of international and intercultural engagement
- Lisa McAdam Donegan, M.A., director of study abroad programs

Information Technology

- Joseph J. Greene, MBA, treasurer and chief financial officer
- Joe Magennis, B.S., director of digital services
- Bill Prew, M.S., executive director of university information systems
- Pat Riordan, B.S., director of IT business services
- Stephen A. Sabetta, MBA, PMP, director of IT project management
- Kate Smith, MBA, PMP, director of digital strategy
- Nicholas M. Tella, MBA, director of information security
- Wayne Robin, B.S., executive director of IT operations
- Chesley Black, Ed.D., executive director of university IT service management

Library

- Rosita Hopper, D.A., dean of libraries
- Frederick Brown, M.L.S., reference management librarian
- Sarah Naomi Campbell, M.L.S., reference librarian
- Kerry Caparco, M.L.S., reference librarian
- Joe Eshleman, M.L.S., head reference librarian
- Kelly Faulkner, M.L.S., reference librarian
- Erika Gearing, M.L.S., reference management librarian
- Ariela McCaffrey, M.L.S., reference & instruction services librarian
- David Meincke, M.L.S., digital services librarian
- Debra Nunes, M.L.S., cataloging and interlibrary loan librarian
- Sue Reynolds, M.L.S., electronic resource librarian
- Lisa Spicola, M.L.S., chief librarian

Practicum Educational Facilities

- Michael Downing, M.S., CHA, FMP, vice president of auxiliary services
- Jose Estrompa, B.A., CHA, general manager of hotel property
- Katherine Kavanagh, M.S., director of catering and special events
- Amanda Rotondi, MBA, associate director of campus dining
- Kenneth Watt, B.S., CEC, executive chef of auxiliary services

Resource Development

- Joseph L. Staley, B.A., vice chancellor of resource development
- Page Cooper Sciotto, MBA, vice president of resource development
- Michael Eatough, M.A., executive director of major gifts
- Tracy A. Forkin, B.S., director of advancement services
- Ann-Marie Reddy, B.A., director of the annual fund
- Maureen Rooney, M.A., director of prospect research
- Michael J. Schrader, B.A., director of grants & sponsored program administration
- Julia S. Emlen, M.S., director of scholarships & stewardship

Student Academic & Financial Services

- Lynn M. Robinson, M.S., vice president of student academic and financial services
- Tammy Harrigan, B.S., university registrar

- Dawn Blanchette, B.S., director of financial aid and planning
- Jane Hanna, M.A., director of academic counseling
- Gail Nevadonski, B.S., registrar
- Cheryl Shatz, B.S., director of curriculum systems management
- Kathi Tavares, B.S., director of student billing and collections
- Maria Tristao-Rocha, MBA, director of transfer and testing services

Student Affairs

- Ronald Martel, Ph.D., vice president of student affairs and dean of students
- Joseph Barresi Jr., Ph.D., LISCW, LCDP, associate dean of counseling, health & wellness
- Mary E. Graf, M.A., M.S.S., associate dean of athletics
- Dameian Slocum, MBA, associate dean of student development
- Christopher Zacharda, Ed.D., associate dean of student life
- Kelly Dunn, M.S., director of new student orientation and support programs
- Nev Kraguljevic, MBA, director of residential life
- Mary Ann Canning McComiskey, M.S.W., director of the center for academic support
- Jamie Marcoux, M.S. ATC, director of athletics
- Scott Lyons, Ed.D, director of student involvement & leadership
- Korina Ramsland Short, B.S., director of the gender equity center
- Wendy Speck, RNC, director of health services
- William Palumbo, M.D., university physician
- Gregory A. Narleski, M.Ed., director of off-campus student services
- Carol Chace, B.S., director of transportation

University Communications

- Doug Whiting, B.A., vice president of communications
- Lisa Pelosi, M.A., executive director of communications & media relations
- Greg DiStefano, MBA, executive director of university marketing
- Brian Murphy, B.F.A., director of design & editorial services
- Cameron Watson, A.A., director of digital communications

* This is only a partial listing.

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John Hazen White College of Arts & Sciences

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Applied Psychology - BS

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. Grounded in experiential learning and emphasizing awareness, understanding and appreciation for diversity, culture and global perspectives, this degree incorporates career-related knowledge, skills and abilities that prepare graduates for lifelong learning and professional success.

After taking foundational courses during the first year of the program, students choose one of two areas of emphasis to focus their studies. In Applied Psychology, students pursue advanced work that applies psychological concepts, theories and practice to the real world. This combination of theory and practical application prepares graduates to identify, address and engage everyday personal, professional and societal opportunities and challenges.

Upon completion of the program, graduates are expected to:

- Apply key concepts, theories and research findings in the discipline of psychology to understanding, explaining and evaluating human behavior in both real-world and experimental settings.
- Critically think and problem solve in an empirical manner as evidenced by the ability to use the scientific method, evaluate research findings, conduct applied research and use results to address challenges in the workplace and society at large.
- Exhibit ethically and socially responsible behavior in professional settings through an understanding of needs of diverse individuals in complex multicultural global environments.
- Demonstrate written, oral and interpersonal communication skills required of psychology professionals.
- Define and adopt a professional identity, as well as appreciation and commitment to on-going professional development, as evidenced by applying discipline-specific content to career goals, self-efficacy and self-regulation, project management, teamwork, and collaboration skills.

All Psychology students enroll in a required minor in either Applied Research or General Business. This focus complements major course work, providing students with marketable skills in research design, survey instrument construction, data analysis, critical evaluation or modern business practices that employers need to make decisions.

A required internship experience enables students to use material learned throughout the program in research or work settings, adding to their résumé and contributing to career employment possibilities. Grounded in a strong scientific foundation, graduates are ready for careers in a wide range of business, nonprofit and government occupations, as well as graduate-level education.

Applied Psychology

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

Major Courses		
LEAD2012	Power and Leadership	4.5
PSCI1001	Introduction to Political Science	4.5
PSYC2100	Health Psychology	4.5
PSYC2200	Professional & Ethical Issues in Applied Psychology	4.5
PSYC3100	Community Psychology	4.5
PSYC3200	Cognitive Psychology	4.5
PSYC4100	Brain, Environment, & Behavior	4.5
PSYC4200	Cultural Psychology	4.5
PSYC4300	Contemporary & Critical Issues In Applied Psychology	4.5
SOC1001	Sociology I	4.5
Psychology Foundations		
PSYC2002	Abnormal Psychology	4.5
PSYC2030	Developmental Psychology	4.5
PSYC3001	Social Psychology	4.5
PSYC3010	Personality	4.5
RSCH2050	Research Methods in Applied Settings	4.5
Required Minor		22.5
Applied Research		
MATH2002	Statistics II	
RSCH3100	Experimental Design in the Social and Behavioral Sciences	
RSCH3200	Qualitative Inquiry	

RSCH3300	Community Action Research	
RSCH4400	Integrative Applied Research Seminar	
Or		
General Business		
Choose five of the following:		
ACCT1210 & FIT1003	Financial Accounting and Introduction to Excel	
ACCT1220	Managerial Accounting	
ECON1001	Macroeconomics	
ECON1002	Microeconomics	
FISV2000	Finance	
LAW2001	The Legal Environment of Business I	
MGMT1001	Contemporary Business Management I	
MGMT1002	Contemporary Business Management II	
MGMT2001	Human Resource Management	
MRKT1001	Principles of Marketing	
Experiential Education		
CAR0010	Career Capstone	1
PSYC3099	Psychology Internship *	4.5
A&S Core Experience		
Communication Foundation courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI1050	Nutrition	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCI, or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university		22.5
Total Credits		181.0

* Students are required to complete a 4.5 credit internship. Students may use up to 9.0 credits from free electives to do an internship of 9.0 or 13.5 credits.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Biology - BS

The Biology bachelor's degree program provides a strong background of critical thinking skills and knowledge needed both 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.

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, the structure and function of organisms, and the 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, the science faculty members are committed to following best practices for science education.

This includes using active learning pedagogies in the classroom, 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 II	4.5
BIO1025	General Biology II Laboratory	2.25
BIO2001	Genetics	4.5
BIO3010	Principles of Biochemistry	4.5
BIO3040	Molecular Biology	4.5
BIO4011	Microbiology	4.5
BIO4015	Microbiology Laboratory	2.25

Major Electives

Choose 22.5 credits of the following: (at least two courses must be at 3000 level or higher)

BIO2021 & BIO2025	Functional Human Anatomy and Functional Human Anatomy Laboratory	
BIO2041 & BIO2045	Human Physiology and Human Physiology Laboratory	
BIO2100	Coastal Ecology	
BIO3070	Evolution	
BIO4040	Functional Histology	
BIO4070	Fundamentals of Immunology	
BIO4099	Internship in Biology	

SCI3020	Sustainability Policy and Planning	
SCI3070	Food Sustainability	
SCI3080	The Business of Sustainability	
SCI4090	Research Seminar in Sustainability	

Related Professional Studies

BIO4100	Senior Seminar in Biology	4.5
CAR0010	Career Capstone	1
CHM1011	General Chemistry I	4.5
CHM1015	General Chemistry I Laboratory	2.25
CHM1022	General Chemistry II	4.5
CHM1025	General Chemistry II Laboratory	2.25
CHM2011	Organic Chemistry I	4.5
CHM2015	Organic Chemistry I Laboratory	2.25
CHM2022	Organic Chemistry II	4.5
CHM2025	Organic Chemistry II Laboratory	2.25
PHY1011	General Physics I	4.5
or PHY2011	Physics I	
PHY1015	General Physics I Laboratory	1.5
or PHY2015	Physics I Laboratory	
PHY1022	General Physics II	4.5
or PHY2022	Physics II	
PHY1025	General Physics II Laboratory	1.5
or PHY2025	Physics II Laboratory	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning	Two ILS courses, one at the 2000 level, one at the 4000 level	9
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
	One course from ART, HIST, HUM, LIT or REL	
Mathematics		9
MATH1040	Calculus I (or higher, based on student's placement) *	
MATH2001	Statistics	
Science		6.75
BIO1011 & BIO1015	General Biology I and General Biology I Laboratory	
Social Sciences		9
PSYC1001	Introductory Psychology	
	One course from ECON, LEAD, PSCI or SOC	
A&S Electives	Two courses with an EASC attribute, at least one at 3000 level or higher.	9
Free Electives #		
	22.5 credits selected from 1000-4999 numbered offerings within the university.	22.5
Total Credits		181.75

* 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 will count as an A&S elective and the other as a free elective.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Counseling Psychology - BS

The Counseling Psychology bachelor's degree program prepares students for careers as case/program workers and managers and aides who assist counselors in resolving clients' personal, family, educational, mental health or work-related issues. Graduates of this program may pursue employment in the public or private sectors working in educational settings, private agencies, hospitals, rehabilitation centers or in nonprofit organizations.

Upon completion of this program, graduates are expected to demonstrate knowledge of the theoretical frameworks in counseling, professional and ethical practices, social and cultural diversity, human growth and development, career development, helping relationships, group work, assessment and research.

Upon completion of the program, graduates are expected to:

- Delineate the historical nature of psychology as well as the biopsychosocial and developmental determinants of behavior.
- Practice effectively within the following core counselor practice domains: use of counseling strategies and techniques, client assessment, case management, treatment planning, addictions counseling, community resource utilization, job development and placement, vocational counseling, research application and ethical counseling.
- Identify, implement and evaluate the various frameworks for ethical appraisal of the individual, including use of methods of data gathering and interpretation, statistical concepts, individual and group testing, case studies, historical perspectives, and individual differences from multicultural and ethnic contexts.
- Employ basic scientific research methods to analyze and critique assumptions, examine available evidence including (but not limited to) statistical analysis, theorize, conduct ethical, representative, and viable research and draw logical conclusions in an attempt to identify and/or resolve a specific problem.
- Identify the nature and needs of diverse individuals in a multicultural society, demonstrating appropriate sensitivity to needs of these populations in applying psychological theory, employing research methodology, and in making referrals for mental health treatment.
- Examine the development, ethical issues and theoretical approaches to group counseling including defining and appraising group counseling theories, group therapy techniques, group purpose, group development and group dynamics.
- Develop criteria, skills and strategies for providing effective crisis intervention, de-escalation of conflict, and conflict resolution in crisis situations
- Apply ethical principles while dealing with clients within the counseling psychology profession.
- Evaluate and describe the philosophy, mission, programs and services of various human service providers as well as to demonstrate the ability to make appropriate individual referrals to said human service agencies.
- Function professionally in a supervised clinical experience that will prepare them to employ effective counseling practices while developing an understanding of the inner workings of public and/or private mental health and related human service agencies.

Courses are selected to provide students with a broad foundation of knowledge concerning human thoughts, emotions and behaviors. The program features a significant number of psychology courses that address both the biological and psychological motivations for certain behaviors. Sociology courses also play a major role by exploring the impact that a person's social environment (i.e., family, culture, religion, etc.) has had on his or her development. Knowledge gained in these disciplines is then examined from the counseling psychology perspective to determine viable modes of intervention and treatment, if such actions are warranted.

Consistent with the Johnson & Wales University experiential education philosophy, counseling psychology students also gain practical experience while enrolled in this program. For example, courses such as CSLG3010 Principles of Group Counseling and CSLG2030 Counseling Theories and Techniques provide students with classroom exercises in which they learn about, role play and model various counseling practices. Graduates of this program are expected to employ critical thinking skills and ethical principles essential to interacting with and successfully treating clients in the professional environment.

To qualify for the internship, students must have a 2.75 GPA in their major courses, or have permission of the program director, and a letter of approval from their faculty advisor.

Those who do not qualify for the internship are required to take two additional counseling classes in lieu of the internship class, CSLG4099 Internship in Counseling Psychology. Students need to get department chair approval for the 2-course substitution.

In addition, students are expected to use the American Counseling Association (ACA) Code of Ethics and Standards of Practice as a guide for ethical behavior throughout the program.

PLEASE NOTE: A master of science degree is usually required for licensed positions as professional mental health counselors, marriage and family counselors and social workers. At completion of the bachelor's degree program in Counseling Psychology, students may also choose to pursue a Master of Science degree in Counseling. The bachelor of science degree program prepares students for entry-level case/program workers and managers and aide positions who assist licensed counselors.

Counseling Psychology

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

Major Courses

CSLG1001	Introduction to Helping Professions	4.5
CSLG2030	Counseling Theories and Techniques	4.5
CSLG2035	Foundations of Mental Health Counseling	4.5
CSLG3001	Introduction to Case Management	4.5
CSLG3005	Introduction to Crisis Intervention	4.5
CSLG3010	Principles of Group Counseling	4.5
CSLG4099	Internship in Counseling Psychology	9.0
PSYC2002	Abnormal Psychology	4.5
PSYC2015	Human Sexuality	4.5
PSYC2030	Developmental Psychology	4.5
PSYC2040	Psychological Issues of Addiction and Compulsive Behavior	4.5
PSYC3001	Social Psychology	4.5
PSYC3010	Personality	4.5
RSCH2050	Research Methods in Applied Settings	4.5
RSCH4050	Research Seminar in Counseling Psychology	4.5
SOC1001	Sociology I	4.5

Major Electives *

Choose five of the following courses: (at least two courses must have a CSLG designation) 22.5

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	
PSYC2020	Industrial/Organizational Psychology	
PSYC3040	Introduction to Neuropsychology and Psychopharmacology	
SOC2035	Sociology of Aging	
SOC3025	Cultural Tapestry: Perspectives in Diversity	
SOC3060	Deviant Behavior	

Related Professional Studies

CAR0010	Career Capstone	1
SCI2031	Anatomy and Physiology	4.5

Choose two of the following courses: 9

CJS2050	Criminology	
CJS2085	Juvenile Justice	
ENG2010	Technical Writing	
ENG3012	Report and Proposal Writing	
LAW2001	The Legal Environment of Business I	
LAW3025	Criminal Law	
LAW3065	Employment Law	
SCI2020	Exercise Physiology	
SOC2040	Community Leadership: An Applied Sociology	
SOC2070	Social Issues in Contemporary America	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	

Integrative Learning 9

Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI1050	Nutrition	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCI or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Elective		4.5
Total Credits		181.0

* In order to prepare for intended graduate specializations, students are urged to select at least three related courses in either addictions or mental health counseling. It is strongly recommended that students consult their faculty adviser before selection of courses.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Counseling - MS

The M.S. in Counseling program at Johnson & Wales University is designed to prepare graduates to serve the community as clinical mental health counselors or addictions 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 course work 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.

Counseling

Master of Science (M.S.)

Core Courses

CSLG5100	Advanced Career Counseling	4.5
CSLG5170	Multicultural Counseling: Theories and Techniques	4.5
CSLG5250	Professional Orientation and Ethical Practice	4.5
CSLG5300	Advanced Individual Counseling Theory and Techniques	4.5
CSLG5350	Health and Wellness Counseling	4.5
CSLG5400	Psychopathology and Treatment Planning	4.5
CSLG5450	Testing and Assessment in Counseling	4.5
CSLG5500	Advanced Group Counseling Theories and Techniques	4.5
CSLG6500	Leadership in Agency Settings	4.5
PSYC5100	Advanced Developmental Psychology to become: Counseling Across the Lifespan	4.5
PSYC5200	Advanced Neuroscience and Psychopharmacology	4.5
RSCH5150	Research Methods in Applied Counseling Settings	4.5

Recommended Courses for Specific Licensing

Choose four courses from one program track: 18

Addictions Counseling

CSLG6100	Advanced Co-Occurring Disorders & Addictions Counseling	
CSLG6200	Counseling the Chemically Dependent and Their Families	
CSLG6300	Chemical Dependency Case Management and Professional Development	
CSLG6800	Special Topics in Counseling	
RSCH6100	Research and Theories in Addictions Counseling	

Mental Health Counseling

CSLG6150	Advanced Individual Mental Health Counseling	
CSLG6250	Mental Health Counseling Case Management and Professional Development	
CSLG6350	Mental Health Counseling for Families	
CSLG6800	Special Topics in Counseling	
RSCH6150	Research and Theories in Mental Health Counseling	

Field Work

CSLG5899	Counseling Practicum	4.5
CSLG6899	Counseling Internship	13.5
CSLG6900	Comprehensive Review	0

Total Credits 90.0

Criminal Justice - BS

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:

- Explain the historical backgrounds, agencies, professions, purposes, functions and administration of the American criminal justice system.
- Analyze, evaluate and apply social science research methods to complex issues within the criminal justice system.
- Apply criminological theories and causes of crime, and appropriate methods of control and prevention of criminal behavior to situational contexts within the American criminal justice system.
- Explain the complex responsibilities, procedures and policies of law enforcement agencies operating in the American criminal justice system.
- Critically evaluate evidence used to support criminal justice issues and generate appropriate recommendations.
- Explain conflicts that arise in diverse communities in relation to criminal justice administration.

The program's judicious mix of Criminal Justice and Arts & 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.

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.

Criminal Justice

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

Major Courses		
CJS1002	Introduction to Criminal Justice	4.5
CJS1070	Criminal Courts	4.5
CJS1090	Law Enforcement	4.5
CJS2040	Corrections	4.5
CJS2050	Criminology	4.5
CJS2150	Criminal Justice Ethics	4.5
CJS3075	Criminal Investigation	4.5
CJS3450	Comparative Criminal Justice	4.5
CJS3850	Homeland Security	4.5
CJS4030	Criminal Justice Research Methods	4.5
CJS4045	Criminalistics with Lab	4.5
CJS4080	Criminal Justice Senior Seminar	4.5
LAW3015	Criminal Procedure	4.5
LAW3025	Criminal Law	4.5
Major Electives		
Choose two of the following:		9
CJS2085	Juvenile Justice	
CJS3810	Topics in National Security	
CJS3820	Cyber Crimes	
CJS3099	Criminal Justice Internship (Students may choose 9 credits of internship to satisfy this requirement)	
CJS4050	Advanced Topics in Criminal Justice	
CJS4065	Advanced Topics in Criminalistics with Lab	
Related Professional Studies		
CAR0010	Career Capstone	1
PSCI2001	International Relations and World Politics	4.5
PSYC1001	Introductory Psychology	4.5
PSYC2002	Abnormal Psychology	4.5
REL3001	Comparative Study of World Religions: An Interdisciplinary Approach	4.5
SOC3060	Deviant Behavior	4.5
A&S Core Experience		
Communications Foundation Courses		13.5

ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
HIST3200	American Government	
One course from ART, HUM, LIT or PHIL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI2031	Anatomy and Physiology	
Social Sciences		9
SOC1001	Sociology I	
One course from ECON, LEAD, PSCI or PSYC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university		22.5
Total Credits		181.0

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Culinary Arts Education - MAT

The Master of Arts in Teaching program (M.A.T.) offers an 18-month program in Culinary Arts Education that prepares students for careers teaching at the secondary or post-secondary level. All students in the M.A.T. 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 and employability. Candidates learn about research-based theories and best practices in their university courses, and concurrently spend time in both public school and university classrooms each week to apply what they have learned by working with real students in a variety of settings. In this role, teacher candidates observe and plan lessons for small-group and whole-class instruction, and reflect on their practice. Such professionally focused experience, under the guidance of experienced teachers, enables candidates to develop their own personal philosophies about classroom instruction and management and about education in general.

Culinary Arts Education candidates have the option of going on to student teach for 11 weeks with a secondary or university level cooperating teacher/chef or completing a capstone project under the direction of a university professor.

Additionally, teacher candidates are required to keep a portfolio of evidence based on the Rhode Island Professional Teacher Standards (RIPTS). Defense of this portfolio is the culminating program graduation requirement.

Assessment Prior to Student Teaching or Capstone Project

During their final term, candidates choose to either student teach at the university or complete a capstone project. Permission to move on to student teaching internship/capstone will be granted to candidates who have achieved a program GPA of 3.0 and passed a portfolio review showing acceptable evidence of significant progress toward meeting the Rhode Island Professional Teacher Standards (RIPTS) and all program requirements.

Assessment Prior to Recommendation for Program Completion

Having completed all program requirements, candidates will present their final portfolio/capstone to a team of evaluators. This portfolio will contain evidence showing that the candidate has achieved all program requirements and standards to the level appropriate of a beginning teacher. 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.

Culinary Arts Education (M.A.T.)

Core Courses

EDUC5120	Foundations for Learning and Teaching	2.25
EDUC5150	Educational Psychology	2.25
EDUC5160	Integrating Literacy in the Culinary Arts Classroom	2.25
EDUC5180	Curriculum Development for Culinary Arts Programs	4.5
EDUC5220	Strategies for Teaching Culinary Arts Mathematics	4.5
EDUC5240	Methods of Teaching Culinary Arts	4.5
EDUC5270	Advanced Methods of Teaching Culinary Arts	9
EDUC6120	Assessment for Student Learning	4.5
SPED5110	Inclusive Teaching of Exceptional Learners	4.5
SPED5130	Communication: Language Development and Learning	2.25
SPED6110	Understanding and Managing Behavior	4.5

Student Teaching Internship/Capstone Project

Choose one of the following:		9
EDUC6820	Student Teaching: Culinary Arts Education	
EDUC6840	Student Teaching Internship: Culinary Arts Education	
EDUC6860	Capstone Project: Culinary Arts Education	
Total Credits		54.0

Economics - MINOR

The College of Arts & Sciences offers three minors (22.5 credits) that enhance and strengthen the qualifications of graduates: Economics, Environmental Sustainability and Professional Communication.* These are intended to give students opportunities to develop expertise in an area that complements their major. 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.

* The only minors offered are those listed in the catalog. Students cannot elect to create their own minors.

Economics

Minor

Choose five of the following:	22.5
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
Total Credits	22.5

Ed.D. Educational Leadership - EDD

Johnson and Wales University's Ed.D. in Educational Leadership program has established itself as a prominent preparation program for educational leaders in Southern New England. With its focus on preparing graduates who can think, learn and perform as educational leaders, the program exemplifies the university's mission of blending academic and work-based learning for career advancement. The doctoral program's particular focus is on the creation and use of knowledge to impact education practice.

The program emphasizes the preparation of educators who aspire to advance to leadership positions in their respective fields. To do so, these educators must keep abreast of developments and current practices in their fields, keep current in their knowledge, embrace contemporary practices, and develop and maintain the skills to recognize, evaluate and lead change. The program is designed with distinct specializations in higher education and elementary-secondary education.

Program outcomes are designed so that graduates develop skills in leadership, collaboration, communication, research, critical thinking and problem solving.

Upon completion of the program, graduates are expected to:

- Define problems, not just recognize symptoms, to ask the right questions, to think beyond the obvious, to develop and test several alternatives, and chose the option that maximizes the results.
- Utilize existing research, data and appropriate research methodology to develop and test alternative solutions, and to choose the best course of action.
- Communicate appropriately to individuals and groups of various sizes orally and in writing in order to teach students, to persuade others, to mediate disputes and to build convincing cases.
- Structure educational environments in which leadership roles and responsibilities are shared; in which the mission, goals and work are determined collaboratively; in which evidence overrides opinion, tradition and bias; in which decisions are made in a timely manner and communicated efficiently; and in which others are motivated to do more than they could
- Think beyond common constraints, to take calculated risks and to advocate stretched goals in order to bring fresh perspectives to educational issues and problems and to open the way for new and potential promising solutions.
- Articulate a vision for technology utilization in order to model and promote effective uses; to support teaching and learning; to improve management functions; to provide forward-thinking leadership and management to continuously improve organizations; and to facilitate better understanding of social, ethical and legal issues and responsibilities related to a digital age culture.
- Recognize and take into account the ethical and legal dimension of potential actions, to practice and promote social awareness and ethical behavior, and to encourage others to do the same.

Cohort Structure

The cohort structure is essential to the philosophy of the program. Students enter and progress through courses as a group, fostering a team approach to studying and solving educational problems, and interpreting and disseminating the results of such study. An important outcome of the program is to establish, over time, a true network of working scholars who can examine, critique, support and complement one another's educational practice.

Instruction

Faculty use a variety of instructional methods with an emphasis on experiential, collaborative, project-based and interactive techniques. Instructional technology is used synchronously and asynchronously to model what tomorrow's educational leaders will use in their schools and agencies. Site visits and distinguished visiting professors add to the instructional mix. The weekend offerings also provide for informal faculty/student interaction.

Principal Residency Network (PRN)

As a result of an agreement between JWU and the PRN, upon successful admission to the PRN and the JWU doctoral program, aspiring principals are able to earn credit toward the doctoral degree in Educational Leadership at JWU through successful completion of the PRN program.

Program Requirements

To satisfy program requirements, 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 three years of matriculation; and
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.)

A hybrid method of teaching is utilized in the program that includes characteristics of both synchronous and 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 and receiving formal approval of the dissertation proposal.

Comprehensive Assessment

The comprehensive assessment is scheduled after coursework is completed. The purpose of this authentic assessment is to determine whether a student has mastered the knowledge and developed the skills required in the Educational Leadership Program competencies, and is thus ready to undertake dissertation work.

Field Project

Upon the completion of coursework, students are required to register for EDUC9005 The Field Research Project. With the guidance of faculty, students will propose a field project. Detailed procedures and expectations for the entire research/defense phase of the program appear in the Dissertation Handbook. This research must focus on a practical and significant problem or issue that can be resolved effectively. The student's doctoral committee must approve all field projects.

Dissertation

Students are required to submit a dissertation that demonstrates they have acquired the technical and professional competencies associated with educational leadership and the ability to conduct research. The dissertation identifies an issue of concern, reports on the existing body of knowledge, and presents significant research that would advance present information. If the research and dissertation are collaborative, clearly delineated individual components will reflect each student's substantive contribution to the report and its defense.

The dissertation describes a research project in which students apply best theory and practice. The problem may be drawn from students' workplaces or from some other setting.

In keeping with the mission and conceptual framework of the Educational Leadership Program, students are strongly encouraged to develop dissertations on topics dealing with educational leadership in K-16 and lifelong learning settings.

To expedite the process of completing the dissertation, students will receive close, ongoing faculty supervision and shall defend the dissertation within three years of approval of the topic. The computerized links between students and faculty and the small size of the program will help ensure that a high level of supervision takes place. The Dissertation Handbook describes the process in detail.

Students who do not complete the dissertation in the prescribed time will be automatically scheduled for EDUC9011 Doctoral Dissertation Advisement This continuation requires a Dissertation Advisement Fee (p. 230) per semester (fall, spring and summer), which will be assessed each semester until the successful completion of program requirements or an approved leave of absence is granted.

Students scheduling the dissertation defense while enrolled in EDUC9011 Doctoral Dissertation Advisement will continue to be enrolled and charged appropriate tuition until the grade change process is submitted and complete with Student Academic & Financial Services.

Doctoral Program Courses

Instruction is scheduled in a sequence of six-credit courses addressing significant areas of educational leadership. Students take two courses per semester for four semesters and complete the course work in two years.

Elementary-Secondary Education

Major Courses

EDUC7007	Research I: Educational Research for Elementary-Secondary Education Leaders	6
EDUC7011	Strategy & Change	6
EDUC7032	Organizational Theory, Behavior, and Development in Elementary-Secondary Education	6
EDUC7035	Curriculum, Instruction and Assessment	6
EDUC8007	Research II: Research Methods for Elementary-Secondary Education Leaders	6
EDUC8017	Resource Planning and Management in Elementary-Secondary Education	6
EDUC8027	Family and Community Engagement	6
EDUC8095	Leadership in Elementary-Secondary Education	6
EDUC9005	The Field Research Project	6
EDUC9010	Doctoral Dissertation	6
Total Credits		60.0

Higher Education

Major Courses

EDUC7006	Research I: Educational Research for Higher Education Leaders	6
EDUC7021	Nature of Higher Education	6
EDUC7030	Teaching and Learning Higher Education	6
EDUC7031	Organizational Theory and Behavior in Higher Education	6
EDUC8008	Research II: Research Methods for Higher Education Leaders	6
EDUC8016	Resource Planning and Management in Higher Education	6
EDUC8026	Student Development in Higher Education	6
EDUC8090	Leadership in Higher Education Capstone	6
EDUC9005	The Field Research Project	6
EDUC9010	Doctoral Dissertation	6
Total Credits		60.0

All program requirements must be completed within six years. Students who do not complete the dissertation in the prescribed time will be automatically scheduled for EDUC9011, Dissertation Advisement Continuation. This continuation requires a Dissertation Advisement Fee (p. 230) per fall, spring and summer semesters.

English as a Second Language - NONDEG

The English Language Institute provides international students with an opportunity to learn English as a Second Language and to earn academic credit.

The English Language Institute offers 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 four 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 their cultural transition.

Dedicated to student success, the English Language Institute places students in the program 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 one of three different proficiency levels: Beginner, Intermediate or Advanced. Every student is scheduled for a class in each of the four skill areas: Oral Communications, Grammar, Reading and Writing.

English as a Second Language

Non-Degree

ESL1010	Beginner-Level Oral Communication	4.5
ESL1011	Beginner-Level Grammar	4.5
ESL1012	Beginner-Level Reading	4.5
ESL1013	Beginner-Level Writing	4.5
ESL1020	Intermediate-Level Oral Communication	4.5
ESL1021	Intermediate-Level Grammar	4.5
ESL1022	Intermediate-Level Reading	4.5
ESL1023	Intermediate-Level Writing	4.5
ESL1030	Advanced-Level Oral Communications	4.5
ESL1031	Advanced-Level Grammar	4.5
ESL1032	Advanced-Level Reading	4.5
ESL1033	Advanced-Level Writing	4.5

English: Writing and Literature - BA

The English: Writing and Literature bachelor's degree program prepares students to be critical thinkers and professional writers while developing the global and cultural awareness that traditional literary analysis can offer. Core courses provide theoretical and applied knowledge of the craft of writing, building the skill that employers seek the most — effective communication. Students are prepared for a variety of career fields including journalism, publishing, business, education and media communications.

Upon completion of the program, graduates are expected to:

- Demonstrate excellence in both written and verbal communication skills.
- Analyze the universality and diversity of the human experience through examples from literature, writing and new media.
- Analyze complex ideas and texts in both traditional and digital environments.
- Apply literary and rhetorical theory to texts and writing.
- Demonstrate excellence in the processes of professional writing, such as drafting, revising, editing and publishing.

Students customize their degree through one of two areas of specialization — professional writing or literature — shaping their own academic experience and career interests. The program provides flexibility with free electives that engage literary texts from a variety of genres, authors and cultures, as well as writing courses in fiction, poetry and non-fiction, including those focused on travel, food, fashion, sports and more. Additionally, in their capstone course, students will complete a writing portfolio as a culmination of the program in their area of specialization and to position them well to pursue graduate degrees in a variety of fields.

English: Writing and Literature

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

Major Courses

ENG2010	Technical Writing	4.5
ENG2500	Histories and Theories of Rhetoric and Composition	4.5
ENG4900	Reading and Writing Life: Senior Portfolio Assessment	4.5
LIT1020	Introduction to Literary Genres	4.5
LIT3120	Masterpieces of World Literature	4.5
MCST2030	Media Texts	4.5
MCST2400	Writing for Publication	4.5
MCST2450	Writing in Digital Media	4.5
Choose two of the following:		9
LIT2040	American Literature I	
LIT2050	American Literature II	
LIT2140	British Literature Survey I	
LIT2150	British Literature Survey II	

Required Specialization

22.5

At least 3 courses in Area of Specialization must be at 3000 level or higher and at least 1 course in Area of Specialization must be at 4000 level

Writing

Choose five of the following:

ENG2030	Introduction to Newswriting
ENG2100	Introduction to Linguistics
ENG2401	Introduction to Creative Writing
ENG2540	History of English Grammar
ENG3010	Technical Editing
ENG3012	Report and Proposal Writing
ENG3014	Instruction and Manual 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
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

Or

Literature

Choose five of the following:

ART2010	Introduction to Film
ENG3300	Literary Editing and Publishing

LIT2030	African-American Literature
LIT2040	American Literature I
LIT2050	American Literature II
LIT2070	Studies In The Short Story
LIT2090	Multi-Ethnic Literature
LIT2140	British Literature Survey I
LIT2150	British Literature Survey II
LIT3001	Studies In Drama
LIT3015	Food In Film And Literature
LIT3030	Studies In Poetry
LIT4010	Science Fiction
LIT4040	Shakespeare

Major Electives

Choose 13.5 credits from the course offerings listed in the Writing and Literature specializations * 13.5

Applied Learning

CAR0010 Career Capstone 1
Choose three of the following: * 13.5

ABRD4080	Study Abroad - Exchange Program **
ADVC1010	Marketing Communications
ADVC1011	Media Strategy
ADVC1021	Public Relations and Corporate Communications
ADVC2001	Creative Concepts and Strategy
DME1030	Principles of Composition & Design
DME1040	Screen Design & Coding I
DME1050	Imaging for Digital Media
DME1060	Screen Design & Coding II
DME2000	Typography and Spatial Design
DME2020	Motion Graphics I
DME2025	Basics of Screen Design & Coding
DME2050	Interactive Architecture and Content Design
DME3050	Basics of Print Design
DME3140	Motion Graphics II
DME3300	Digital Video I
DME3310	Digital Video II
ENG3899	English: Writing and Literature Internship **
FREN1001	Conversational French I
FREN1002	Conversational French II
FREN2001	Conversational French III
GER1001	Conversational German I
GER1002	Conversational German II
GER2001	Conversational German III
LAW2001	The Legal Environment of Business I
LAW3080	Cyberlaw
LAW3092	Sports, Entertainment and Event Management Law
MRKT1001	Principles of Marketing
MRKT3045	Social Media Marketing
SEE1001	Introduction to the Sports, Entertainment and Event Management Industry
SEE2030	The Business of the Entertainment Industry
SEE3045	New Media Literacy in Sports, Entertainment and Event Management
SEE3060	Concert and Event Production
SEE3150	Television and Movie Production Management
SPAN1001	Conversational Spanish I
SPAN1002	Conversational Spanish II
SPAN1011	Conversational Spanish I: Specialized Vocabulary
SPAN2001	Conversational Spanish III

A&S Core Experience

Communications Foundation Courses 13.5	
ENG1020	English Composition
ENG1021	Advanced Composition and Communication
ENG1030	Communication Skills
Integrative Learning 9	
Two ILS courses, one at the 2000 level, one at the 4000 level	
Arts & Humanities 9	
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL	
Mathematics 9	
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)
One MATH-designated course	
Science 4.5	
One course from BIO, CHM, PHY or SCI	
Social Sciences 9	

Two courses from different disciplines: ECON, LEAD, PSCI, PSYC, or SOC

A&S Electives 9

Two courses with an EASC attribute, at least one at 3000 level or higher

Free Electives #
22.5 credits selected from 1000-4999 numbered offerings within the university 22.5

Total Credits 181.0

* Students are responsible for meeting prerequisites.

** Students may choose up to 13.5 internship or study abroad credits.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Environmental Sustainability - MINOR

The College of Arts & Sciences offers three minors (22.5 credits) that enhance and strengthen the qualifications of graduates: Economics, Environmental Sustainability and Professional Communication.* These are intended to give students opportunities to develop expertise in an area that complements their major. 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.

* The only minors offered are those listed in the catalog. Students cannot elect to create their own minors.

Environmental Sustainability

Minor

SCI1010	Environmental Science	4.5
SCI3020	Sustainability Policy and Planning	4.5
SCI3070	Food Sustainability	4.5
SCI3080	The Business of Sustainability	4.5
SCI4090	Research Seminar in Sustainability	4.5
Total Credits		22.5

Equine Business Management/Non-Riding - BS

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 Management 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.

Many 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.

Extracurricular Activities

Johnson & Wales' equine programs offer a variety of extracurricular activities for students, including student dressage shows, schooling shows, seminars and clinics. The university hosts seminars and career nights with nationally recognized speakers from the equine industry.

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 and hosts shows annually at the Center for Equine Studies.

The university is a charter member of the Intercollegiate Dressage Association, hosts two competitions yearly and travels regionally to compete. The university is president college for Northeast Region A. The university's dressage team has won numerous regional and national awards and has been represented at every national championship by team members. In 2012 Johnson & Wales University won the National Championship and in 2013 was the reserve national champion team for IDA.

The university participates in events through several combined tests held at the Equine Center. Students have the opportunity to broaden their knowledge through selected field trips including Equine Affaire and the annual upstate New York breeding farms trip.

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 170' x 70' mirrored indoor riding hall with waxed footing, radiant heat, attached 32-stall barn, pastures and turnout paddocks. It also features 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. A new addition to the facility is a derby-style jumping field with banks, ditches, and step jumps. Students gain knowledge of riding in the open and setting pace.

The Johnson & Wales Center for Equine Studies is equipped with a pine-paneled observation room housing state-of-the-art communication technology that allow clinicians to address students and spectators during mounted lessons.

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 Morgan. 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	4.5
EQN1010	Equine Physiology and Sports Therapy	4.5
EQN1020	Equine Anatomy and Lameness	4.5
EQN1080	Equine Management Lab I	2.25
EQN2000	Equine Diseases	4.5
EQN2010	Equine Nutrition	4.5
EQN2074	Equine Facilities and Management Laboratory	4.5
EQN3000	Foundations of Riding Theory	4.5
EQN3010	Equine Reproduction and Genetics	4.5
EQN3040	Sport Horse Evaluation and Judging	4.5
EQN4050	Horse Farm Management	4.5

Major Electives

Choose 9 credits from the EQN offerings numbered 1000 to 4999		9
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Related Professional Studies

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
ECON1002	Microeconomics	4.5
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL		
Mathematics		9
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI1015	Introduction to Life Science	
Social Science		9
ECON1001	Macroeconomics	
One course from LEAD, PSCL, PSYC or SOC		
A&S electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		

Free Electives #

22.5 credits selected from 1000-4999 numbered offerings within the university.	22.5
Total Credits	181.0

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Equine Business Management/Riding - BS

The Equine Business Management/Riding bachelor's degree program is designed for the student who desires a career in teaching, training and/or farm management. The program combines riding instruction, specialized academic equine courses and equine labs with business and general studies courses.

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.
- Develop and implement a training program for a particular horse and evaluate the effectiveness of the training principles on horse and rider.

Equine Business Management/Riding students participate in riding classes focusing on dressage and jumping. Each course is individually tailored to the student's competencies for maximum advancement. A unique feature of the riding program is the use of Eckart Meyners' warm-up routine and exercises to unblock the rider and achieve harmony with the horse. Student riding outcomes are measured through a certificate program that validates the rider's progress in dressage and jumping. A study abroad program to Muenster, Germany is open to students with dressage and jumping skills and offers instruction and testing for the German bronze medals.

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.

Equine students participate in professionally focused educational activities at the Equine Studies Center in Rehoboth, Mass. 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.

Many 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 the College of Management, School of Engineering & Design or the College of Arts & Sciences.

Extracurricular Activities

Johnson & Wales' equine programs offer a variety of extracurricular activities for students, including student dressage shows, schooling shows, seminars and clinics. The university hosts seminars and career nights with nationally recognized speakers from the equine industry. Recent speakers include Jochen Schleese and Dr. Bayard Rucker. A well-established clinic program rounds out students' educational experiences through participation and observation of various teaching and training techniques. Clinicians such as Sybille Crafts, Sarah Geikie, Shannon Dueck and Ann Guptil have participated in this program.

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 and hosts shows annually at the Center for Equine Studies.

The university is a charter member of the Intercollegiate Dressage Association, hosts two competitions yearly and travels regionally to compete. The university is president college for Northeast Region A. The university's dressage team has won numerous regional and national awards and has been represented at every national championship by team members. In 2012 Johnson & Wales University won the National Championship and in 2013 was the reserve national champion team for IDA.

The university participates in events through several combined tests held at the Equine Center. Students have the opportunity to broaden their knowledge through selected field trips including Equine Affaire and the annual upstate New York breeding farms trip.

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 170' x 70' mirrored indoor riding hall with waxed footing, radiant heat, attached 32-stall barn, pastures and turnout paddocks. It also features 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. A new addition to the facility is a derby-style jumping field with banks, ditches, and step jumps. Students gain knowledge of riding in the open and setting pace.

The Johnson & Wales Center for Equine Studies is equipped with a pine-paneled observation room housing state-of-the-art communication technology that allow clinicians to address students and spectators during mounted lessons.

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 Morgan. 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.

Admission to the Equine Business Management/Riding degree requires prior riding experience, and the submission of a video showing riding competencies. Admission to this program is limited and early application is recommended.

Equine Business Management/Riding

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

Major Courses

EQN1001	Introduction to Equine Studies	4.5
EQN1010	Equine Physiology and Sports Therapy	4.5
EQN1020	Equine Anatomy and Lameness	4.5
EQN1080	Equine Management Lab I	2.25
EQN2000	Equine Diseases	4.5
EQN2010	Equine Nutrition	4.5
EQN2074	Equine Facilities and Management Laboratory	4.5
EQN3000	Foundations of Riding Theory	4.5
EQN3010	Equine Reproduction and Genetics	4.5
EQN3040	Sport Horse Evaluation and Judging	4.5
EQN4050	Horse Farm Management	4.5

Required Riding Courses

Choose 9 credits of the following:		9
EQN1100	Fundamentals Of Collegiate Riding	
EQN1150	Introduction to Dressage	
EQN1210	Intermediate Combined Training I	
EQN1220	Intermediate Combined Training II	
EQN1310	Fundamentals of Hunter Seat Equitation	
EQN2100	Training Level Dressage	
EQN2110	First Level Dressage	
EQN2120	Second Level Dressage	
EQN2130	Third Level Dressage	
EQN2210	Advanced Combined Training I	
EQN2320	Hunter Seat Equitation Novice	
EQN3140	Fourth Level and FEI Dressage	
EQN3330	Hunter Seat Equitation Intermediate	
EQN4340	Hunter Seat Equitation Open	

Major Elective

Choose 4.5 credits from the EQN offerings numbered 1000-4999.	4.5
Related Professional Studies	
ACCT1210 Financial Accounting	4.5
ACCT1220 Managerial Accounting	4.5
CAR0010 Career Capstone	1
ECON1002 Microeconomics	4.5
FISV2000 Finance	4.5
FIT1003 Introduction to Excel	2.25
LAW2001 The Legal Environment of Business I	4.5
MGMT1001 Contemporary Business Management I	4.5
MGMT2001 Human Resource Management or MRKT1001 Principles of Marketing	4.5
A&S Core Experience	
Communications Foundation Courses	13.5
ENG1020 English Composition	
ENG1021 Advanced Composition and Communication	
ENG1030 Communication Skills	
Integrative Learning	9
Two ILS courses, one at the 2000 level, one at the 4000 level	
Arts and Humanities	9
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL	
Mathematics	9
MATH1002 A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001 Statistics	
Science	4.5
SCI1015 Introduction to Life Science	
Social Science	9
ECON1001 Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC	
A&S Electives	9
Two courses with an EASC attribute, at least one at 3000 level or higher.	
Free Electives #	
22.5 credits selected from 1000-4999 numbered offerings within the university.	22.5
Total Credits	181.0

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Equine Science - BS

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 some opportunity for riding classes as well. The Equine Science curriculum design aligns prospective students for pre-veterinary medicine study or future graduate studies in science.

Upon completion of the program, graduates are expected to:

- Demonstrate a working knowledge of biology, chemistry and physics.
- 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.
- Apply the scientific method and critical thinking skills to address equine science questions.

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, ground driving, vaccination and anthelmintic programs.

Many students participate in the internship program which allows them to work in the equine industry 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.

Extracurricular Activities

Johnson & Wales' equine programs offer a variety of extracurricular activities for students, including student dressage shows, schooling shows, seminars and clinics. The university hosts seminars and career nights with nationally recognized speakers from the equine industry.

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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 170' x 70' mirrored indoor riding hall with waxed footing, radiant heat, attached 32-stall barn, pastures and turnout

paddocks. It also features 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. A new addition to the facility is a derby-style jumping field with banks, ditches, and step jumps. Students gain knowledge of riding in the open and setting pace.

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Equine Science

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

Major Courses

EQN1001	Introduction to Equine Studies	4.5
EQN1010	Equine Physiology and Sports Therapy	4.5
EQN1020	Equine Anatomy and Lameness	4.5
EQN1080	Equine Management Lab I	2.25
EQN2000	Equine Diseases	4.5
EQN2010	Equine Nutrition	4.5
EQN2074	Equine Facilities and Management Laboratory	4.5
EQN3010	Equine Reproduction and Genetics	4.5
BIO1022	General Biology II	4.5
BIO1025	General Biology II Laboratory	2.25
BIO2001	Genetics	4.5
BIO3010	Principles of Biochemistry	4.5
BIO3040	Molecular Biology	4.5
BIO4011	Microbiology	4.5
BIO4015	Microbiology Laboratory	2.25
CHM1011	General Chemistry I	4.5
CHM1015	General Chemistry I Laboratory	2.25
CHM1022	General Chemistry II	4.5
CHM1025	General Chemistry II Laboratory	2.25
CHM2011	Organic Chemistry I	4.5
CHM2015	Organic Chemistry I Laboratory	2.25
CHM2022	Organic Chemistry II	4.5
CHM2025	Organic Chemistry II Laboratory	2.25
PHY1011	General Physics I	4.5
PHY1015	General Physics I Laboratory	1.5
PHY1022	General Physics II	4.5
PHY1025	General Physics II Laboratory	1.5

Related Professional Studies

CAR0010	Career Capstone	1
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A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two IL courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1040	Calculus I *	
MATH2001	Statistics	
Science		6.75
BIO1011 & BIO1015	General Biology I and General Biology I Laboratory	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCI or SOC		
A&S Electives		9
Two courses selected from offerings within the School of Arts & Sciences at least one at 3000 level or higher.		

Free Electives

* 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 will count as an A&S elective and the other as a free elective.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Liberal Studies - BS

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, the behavioral sciences, math and science. With a required minor in either business or technology*, students are prepared 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 in business or technology, the inclusion of a heightened form of experiential learning, and in-depth advising in fulfillment of the mission. The required minor is intended to assure that students have an introduction to a profession or set of professional skills prior to program completion.

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.

Arts & Culture Track:

- Exhibit advanced knowledge of the complexities of human culture.
- Critically examine and interpret human expression using the theories and methods of various disciplines, such as history, sociology, philosophy, literature and the arts.

Science & Society Track:

- Apply mathematical and scientific reasoning to social problems.
- Exhibit advanced knowledge of the social systems that structure human existence.
- Critically examine and interpret human behavior using the theories and methods of various disciplines, such as economics, sociology, psychology, political science and the natural sciences.

* The technology (Project Management) minor is offered only at the Providence campus.

Liberal Studies

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

Major Courses

Foundation Courses	18
ART, HIST, LIT, PHIL, REL: One course 2000 level or higher	
ECON, PSCI, PSYC, SOC: One course 2000 level or higher	
Foreign Language: 4.5 credits as determined by language placement	
BIO, CHM, PHY, SCI: One course 1000 level or higher	
Choose one of the following areas of specialization:	22.5
Arts & Culture	
ART, HIST, LIT, PHIL, REL, SOC: One course 2000 level or higher	
ART, HIST, LIT, PHIL, SOC: Four courses 3000 level or higher	
Or	
Science & Society	
MATH: One course 1000 level or higher	
BIO, CHM, ECON, PSCI, PSYC, SCI, SOC: Four courses 3000 level or higher	
Internship/Applied Learning	
Choose one of the following:	13.5
Option 1	LIBS3099, Liberal Studies Internship *
Option 2	Study Abroad Program
Option 3	Three Levels of Language Studies
Option 4	Three courses from the course offerings in the minor, Professional Communication **
Arts & Sciences Electives	
18 credits with an EASC attribute selected from offerings within the College of Arts & Sciences.	18
Required Minor	22.5
General Business	
Choose five of the following:	
ACCT1210 & FIT1003	Financial Accounting and Introduction to Excel
ACCT1220	Managerial Accounting

ECON1001	Macroeconomics	
ECON1002	Microeconomics	
FISV2000	Finance	
LAW2001	The Legal Environment of Business I	
MGMT1001	Contemporary Business Management I	
MGMT1002	Contemporary Business Management II	
MGMT2001	Human Resource Management	
MRKT1001	Principles of Marketing	
Or		
Project Management		
FIT1012	Digital Technology for Business	
PRMG2010	Introduction to Project Management	
PRMG3010	Advanced Project Management	
Choose two of the following:		
CSIS1000	Problem Solving and Programming Concepts	
CSIS1040	Fundamentals of Visual Basic	
FIT2030	Access Database Design for Business Solutions	
Related Professional Studies		
CAR0010	Career Capstone	1
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI1010 Environmental Science		
Social Sciences		9
Two courses from different disciplines: ECON, LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university.		22.5
Total Credits		181.0

* Students may schedule a 4.5-13.5 credit internship. If the internship is less than 13.5 credits, additional Arts & Sciences elective credits are required to meet the 13.5 credit requirement.

** Students are responsible for meeting prerequisites.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Media & Communication Studies - BS

Media & Communication Studies majors are curious about the production and meaning of media—books, newspapers, magazines, photographs, film, music, radio, television, video games, 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 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.
- Integrate primary and secondary sources into well-reasoned arguments.

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 science degree

Major Courses

MCST1010	Media, Culture and Society	4.5
MCST1030	History of Media	4.5
MCST2010	Media Industries	4.5
MCST2030	Media Texts	4.5
MCST2050	Media Audiences	4.5
MCST3090	Critical Perspectives on New Media	4.5
MCST3899	Media Internship *	4.5
MCST4010	Global Media	4.5
MCST4190	Media Research Methods	4.5
MCST4200	Senior Seminar in Media Life	4.5

Major Electives - Principles

Choose six of the following: **		27
ART2010	Introduction to Film	
ART2030	Music Appreciation	
ART3020	Art History	
LAW2001	The Legal Environment of Business I	
LAW3080	Cyberlaw	
LAW3092	Sports, Entertainment and Event Management Law	
MCST2100	Children, Youth and Media	
MCST2200	Television Studies	
MCST2300	American Film	
MCST3050	Media Identities	
MCST3100	Radio, Records and Popular Music	
MCST3200	History of Photography	
MCST4050	Media & Popular Culture	
MCST4100	Media Theory	
MCST4300	Special Topics in Media Studies	
PSCI2050	Political Communications	
PSCI2200	Race, Politics and Power in America	
PSCI3200	Women in American Political Life	
PSCI3350	Political Parties, Social Movements and Interest Groups	

Major Electives - Practices

Choose six of the following: **		27
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	Principles of Marketing	
Media Design & Production		

DME1030	Principles of Composition & Design	
DME1040	Screen Design & Coding I	
DME1050	Imaging for Digital Media	
DME1060	Screen Design & Coding II	
DME2000	Typography and Spatial Design	
DME2020	Motion Graphics I	
DME2025	Basics of Screen Design & Coding	
DME2050	Interactive Architecture and Content Design	
DME3050	Basics of Print Design	
DME3140	Motion Graphics II	
DME3300	Digital Video I	
DME3310	Digital Video II	
MCST1150	Introduction to Media Production	
Media Writing		
ENG2030	Introduction to Newswriting	
ENG2401	Introduction to Creative Writing	
ENG3130	Introduction to Sports Writing	
ENG3150	Introduction to Fashion Writing	
ENG3300	Literary Editing and Publishing	
ENG3402	Intermediate Creative Writing	
ENG3601	Intermediate Nonfiction Writing	
ENG3030	Introduction to Food Writing	
ENG3050	Introduction to Travel 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	
Media Management		
SEE2030	The Business of the Entertainment Industry	
SEE3045	New Media Literacy in Sports, Entertainment and Event Management	
SEE3060	Concert and Event Production	
SEE3150	Television and Movie Production Management	

Related Professional Studies

CAR0010	Career Capstone	1
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A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
Two courses from different disciplines: ART, HIST, HUM, LIT, PHIL, or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
One MATH-designated course		
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
Two courses from different disciplines: ECON, LEAD, PSCI, PSYC, or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
18 credits selected from 1000-4999 numbered offerings within the university		18
Total Credits		181.0

* Students may use up to 9.0 free elective credits as additional internship credits.

** Students are responsible for meeting prerequisites.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and

elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Organizational Psychology - BS

The Psychology major offers students the opportunity to learn about and understand the complex relationships between human behavior and the world in which we live. Grounded in experiential learning, and emphasizing awareness, understanding and appreciation for diversity, culture and global perspectives, this degree incorporates career-related knowledge, skills and abilities that prepare graduates for lifelong learning and professional success.

After taking foundational courses during the first year of the program, students choose one of two areas of emphasis to focus their studies. In Organizational Psychology, students focus on the application of psychological concepts, theories and research in the workplace. Emphasizing innovation, worker productivity, interpersonal interaction, organizational culture and change management in diverse settings, students gain practical skills and knowledge to positively impact the contemporary work environment.

Upon completion of the program, graduates are expected to:

- Apply key concepts, theories and research findings in the discipline of organizational psychology to understanding, explaining and evaluating human behavior and industrial organizational processes in both real-world and experimental settings.
- Critically think and problem solve in an empirical manner as evidenced by the ability to use the scientific method, evaluate research findings, conduct applied research and use results to address challenges in the workplace and society at large.
- Exhibit ethically and socially responsible behavior in industrial settings through an understanding of needs of diverse individuals in complex multicultural global environments.
- Demonstrate written, oral and interpersonal communication skills required of organizational psychology professionals.
- Define and adopt a professional identity, as well as appreciation and commitment to on-going professional development, as evidenced by applying organizational-psychology-specific content to career goals, self-efficacy and self-regulation, project management, teamwork, and collaboration skills.

All Psychology students enroll in a required minor in either Applied Research or General Business. This focus complements major coursework, providing students with marketable skill sets in research design, survey instrument construction, data analysis, critical evaluation or modern business practices that employers need to make decisions.

A required internship experience enables students to use material learned throughout the program in research or work settings, adding to their résumé and contributing to career employment possibilities. Grounded in a strong scientific foundation, graduates are ready for careers in a wide range of business, nonprofit and government occupations, as well as graduate-level education.

Organizational Psychology

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

Major Courses

MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MGMT2020	Organizational Behavior	4.5
PSYC2020	Industrial/Organizational Psychology	4.5
PSYC2150	Interpersonal Processes in the Workplace	4.5
PSYC3150	Applied Behavior Analysis	4.5
PSYC3260	Human Systems Integration	4.5
PSYC3350	Psychology of Motivation and Leadership in the Workplace	4.5
PSYC4150	Psychology of Conflict Resolution	4.5
PSYC4250	Contemporary & Critical Issues in Organizational Psychology	4.5

Psychology Foundation

PSYC2002	Abnormal Psychology	4.5
PSYC2030	Developmental Psychology	4.5
PSYC3001	Social Psychology	4.5
PSYC3010	Personality	4.5
RSCH2050	Research Methods in Applied Settings	4.5

Required Minor

Applied Research		22.5
MATH2002	Statistics II	

RSCH3100	Experimental Design in the Social and Behavioral Sciences	
RSCH3200	Qualitative Inquiry	
RSCH3300	Community Action Research	
RSCH4400	Integrative Applied Research Seminar	
Or		
General Business		
Choose five of the following:		
ACCT1210 & FIT1003	Financial Accounting and Introduction to Excel	
ACCT1220	Managerial Accounting	
ECON1001	Macroeconomics	
ECON1002	Microeconomics	
FISV2000	Finance	
LAW2001	The Legal Environment of Business I	
MGMT1002	Contemporary Business Management II	
MRKT1001	Principles of Marketing	
Experiential Education		
CAR0010	Career Capstone	1
PSYC3099	Psychology Internship *	4.5
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI1050	Nutrition	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCI, or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university.		22.5
Total Credits		181.0

* Students are required to complete a 4.5 credit internship. Students may use up to 9.0 credits from free electives to do an internship of 9.0 or 13.5 credits.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Political Science - BS

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.

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 will prepare them for further graduate study.

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.

Political Science

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

Major Courses

PSCI1001	Introduction to Political Science	4.5
PSCI1030	Introduction to Political Theory	4.5
PSCI2001	International Relations and World Politics	4.5
PSCI2050	Political Communications	4.5
PSCI2100	Comparative Politics and Government	4.5
PSCI3050	American Politics, Policy and Institutions	4.5
PSCI3100	Research Methods in Political Science	4.5
PSCI3005	Political Ideologies and the 21st Century	4.5
PSCI3150	Ethics in Public Life	4.5
PSCI4900	Capstone Seminar in Political Science	4.5

Major Electives *

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

American/U.S. Politics		
PSCI2150	American Constitutional Law	
PSCI3200	Women in American Political Life	
PSCI2200	Race, Politics and Power in America	
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	
SCI3020	Sustainability Policy and Planning	
SOC2070	Social Issues in Contemporary America	
International Relations and Comparative Politics		
PSCI3250	Dynamics of Contemporary Diplomacy and Statecraft	
PSCI3300	Politics of Food, Human Security and Social Justice	
CJS3810	Topics in National Security	
CJS3820	Cyber Crimes	
CJS3850	Homeland Security	
CJS4033	Terrorism	

ECON3025	The Global Economy in the 21st Century	
HIST3010	Modern History	
REL3001	Comparative Study of World Religions: An Interdisciplinary Approach	
Political Thought, Communication and Practice		
PSCI3350	Political Parties, Social Movements and Interest Groups	
PSCI4100	Issues in Political Theory: The Politics of Human Rights in Global Perspective	
LEAD2012	Power and Leadership	
PSYC4150	Psychology of Conflict Resolution	
Internship/Applied Learning		
Choose one of the following:		13.5
Option 1	PSCI3899 Political Science Internship **	
Option 2	Study Abroad Program	
Option 3	Three Levels of Language Studies	
Related Professional Studies		
CAR0010	Career Capstone	1
MATH2002	Statistics II	4.5
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
HIST3200	American Government	
One course from ART, HUM, LIT, PHIL or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics ((or higher, based on student's placement))	
MATH2001	Statistics	
Science		4.5
SCI1010	Environmental Science	
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university.		22.5
Total Credits		181.0

* Students are responsible for meeting prerequisites.

** Students may schedule a 4.5-13.5 credit internship. If the internship is less than 13.5 credits, additional Arts & Sciences elective credits are required to meet the 13.5 credit requirement.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Professional Communication - MINOR

The College of Arts & Sciences offers three minors (22.5 credits) that enhance and strengthen the qualifications of graduates: Economics, Environmental Sustainability and Professional Communication.* These are intended to give students opportunities to develop expertise in an area that complements their major. 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.

* The only minors offered are those listed in the catalog. Students cannot elect to create their own minors.

Professional Communication

Minor

ENG2010	Technical Writing	4.5
or ENG2030	Introduction to Newswriting	
ENG3010	Technical Editing	4.5
Choose three of the following:		13.5
ADVC1021	Public Relations and Corporate Communications	
DME1000	Foundation Drawing and Digital Tools	
DME3050	Basics of Print Design	
ENG2010	Technical Writing	
ENG2030	Introduction to Newswriting	
ENG2401	Introduction to Creative Writing	
ENG3012	Report and Proposal Writing	
ENG3014	Instruction and Manual Writing	
ENG3016	Advanced Business Communication	
ENG3030	Introduction to Food Writing	
ENG3050	Introduction to Travel Writing	
PRMG2010	Introduction to Project Management	
or PRMG3010	Advanced Project Management	
Total Credits		22.5

Psychology

The Psychology program offers students the opportunity to learn about and understand the complex relationships between human behavior and the world in which we live. Grounded in experiential learning and emphasizing awareness, understanding and appreciation for diversity, culture and global perspectives, this program incorporates career-related knowledge, skills and abilities that prepare graduates for lifelong learning and professional success.

After taking foundational courses during the first year of the program, students declare a major in either Applied Psychology or Organizational Psychology to focus their studies. Students may also consider a change to the B.S. in Counseling Psychology but will need to work closely with an academic advisor to schedule courses required in the first year of this program.

In the B.S. in Applied Psychology (<http://catalog.jwu.edu/programsofstudy/arts-sciences/applied-psychology-bs>) program, students pursue advanced work that applies psychological concepts, theories and practice to the real world. This combination of theory and practical application prepares graduates to identify, address and engage everyday personal, professional and societal opportunities and challenges.

In the B.S. in Organizational Psychology (<http://catalog.jwu.edu/programsofstudy/arts-sciences/organizational-psychology-bs>) program, students focus on the application of psychological concepts, theories and research in the workplace. Emphasizing innovation, worker productivity, interpersonal interaction, organizational culture and change management in diverse settings, students gain practical skills and knowledge to positively impact the contemporary work environment.

All Applied and Organizational Psychology students are required to declare a minor in either Applied Research or General Business. This focus complements major course work, providing students with marketable skill sets in research design, survey instrument construction, data analysis, critical evaluation or modern business practices that employers need to make decisions.

Psychology

Major Courses

PSYC2002	Abnormal Psychology	4.5
PSYC2030	Developmental Psychology	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		4.5
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
Science		4.5
SCI1050	Nutrition	
Social Sciences		4.5
PSYC1001	Introductory Psychology	
Total Credits		45.0

Teacher Education - MAT

The Master of Arts in Teaching (M.A.T.) in Teacher Education program prepares graduates to apply for certification in the areas of elementary education/elementary special education or business education/secondary special education.

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 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 content-specific (business, elementary education) 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 and employability. Candidates learn about research-based theories and best practices in their university courses, and concurrently spend time in public school classrooms each week to apply what they have learned by working with real students in a variety of settings. In this role, teacher candidates observe and plan lessons for small-group and whole-class instruction, and reflect on their practice. Such professionally focused experience, under the guidance of experienced teachers, enables candidates to develop their own personal philosophies about classroom instruction and management and about education in general.

Additionally, teacher candidates are required to keep a portfolio of evidence, based on the Rhode Island Professional Teacher Standards (RIPTS), the Council for Exceptional Children (CEC) standards, and the Cultural Competency (CC) standards. Defense of this portfolio is the culminating program graduation requirement.

Assessment Prior to Student Teaching

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

- achieved a program GPA of 3.0;
- passed the appropriate content exam for the concentration areas;
- passed a portfolio review with acceptable evidence of significant progress toward meeting the Rhode Island Professional Teacher Standards (RIPTS) and standards from the Council for Exceptional Children (CEC) and Cultural Competencies (CC); and
- passed a video assessment of readiness for student teaching

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, the teacher candidate will present his/her final portfolio to a team of evaluators. This portfolio will contain evidence showing that the candidate has achieved all program requirements and standards to the level appropriate of a beginning teacher. In addition, the candidate 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 (M.A.T.)

Core Courses

EDUC5120	Foundations for Learning and Teaching	2.25
EDUC5150	Educational Psychology	2.25
EDUC5170	Best Practices in Literacy Instruction	4.5
EDUC5300	Literacy in the Content Area	2.25
EDUC6120	Assessment for Student Learning	4.5
SPED5110	Inclusive Teaching of Exceptional Learners	4.5
SPED5120	Assessment and Evaluation of Exceptional Learners	4.5
SPED5130	Communication: Language Development and Learning	2.25
SPED5150	Curriculum and Methods for Exceptional Learners	4.5
SPED5170	Collaboration: Home/School/Community	2.25
SPED6110	Understanding and Managing Behavior	4.5
Concentration Courses		29.25
Elementary /Elementary Special Education Concentration		
EDUC5260	Strategies for Teaching Mathematics	
EDUC5280	Strategies for Teaching Science	
EDUC6140	Methods of Teaching Social Studies	
EDUC6160	Student Teaching: Elementary Education	
SPED6850	Student Teaching: Elementary Special Education	
Or		
Business/Secondary Special Education Concentration		
EDUC5190	Teaching Financial Management	
EDUC5230	Methods of Teaching Business	
EDUC6130	Digital Collaborative Tools	
EDUC6810	Student Teaching: Business Education	
SPED6870	Student Teaching: Secondary Special Education	
Total Credits		67.5

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 nine credits of graduate-level electives for their student teaching requirement.

Teaching and Learning - M.Ed.

The Master of Education in Teaching and Learning program at Johnson & Wales University is a two-year graduate course of study designed to develop master teachers. The program is aligned with National Board Standards and 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 six comprehensive course modules 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 K-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 will be expected to complete the entire sequence of course modules, individuals will be 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 six modules
- Successful completion of a capstone project
- Compliance with all Johnson & Wales University policies

Teaching and Learning (M.Ed.)

Major Courses

EDUC5310	Exploration of Teaching and Learning	9
EDUC5320	Monitoring and Managing Student Learning	9
EDUC5330	Standards, Curriculum and Instructional Design	9
EDUC6310	Instructional Strategies and Resources	9
EDUC6320	Assessment for Learning	9
EDUC6330	Capstone: Multiple Roles of Teachers	9

Total Credits 54.0

College of Culinary Arts

- **Associate in Science (A.S.) Degree**
 - Baking & Pastry Arts (p. 56)
 - Culinary Arts (p. 57)
- **Bachelor of Science (B.S.) Degree**
 - Baking & Pastry Arts (p. 59)
 - Culinary Nutrition (p. 60)
- **Minor**
 - Sommelier (p. 62)

Baking & Pastry Arts - AS

The associate degree program in Baking & Pastry Arts provides students with practical education in baking and pastry production, while developing professionalism and excellence in academic achievement. Hands-on training is paired with academic courses resulting in a curriculum that is both dynamic and directly aligned with industry needs.

Upon completion of the program, graduates are expected to:

- Utilize multiple classical and contemporary cooking and baking techniques to prepare, produce, and present baked products, pastries, and desserts
- Perform the skills and techniques of professional artisanal bread baking and viennoiserie
- Apply FDA recommended food safety and sanitation principles to food and beverage products, tools and equipment used throughout the flow of the food and beverage operation
- 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

First-year Baking & Pastry Arts students rotate through two terms of hands-on laboratory classes. Emphasis is placed on skills development and techniques of combining basic ingredients to produce pastries, breads, cakes, frozen desserts, and chocolates. Second-year laboratories emphasize advanced techniques in the preparation and production of cakes, entremets, artisan breads, plated desserts and sugar work.

The baking and pastry lab experience is complemented by a sound general education core and professional studies which include food and beverage cost control, nutrition, and a food safety course that, upon successful completion, results in a Food Safety Manager certification recognized by the Conference for Food Protection.

Baking & Pastry Internship

Associate degree students will participate in one term of experiential education which allows students to participate in food service operations in preparation for future careers. Possible sites include university owned or operated practicum educational facilities, hotels, restaurants, country clubs, resorts, casinos, spas and contract food service providers. Eligibility requirements for certain sites include a 2.75 cumulative GPA and completion of all prerequisite coursework. International internship opportunities at host company sites throughout the world may also be available for students who have met specific college eligibility requirements, have a minimum of one year work experience in a full-service restaurant, hotel or resort, and who maintain a 3.25 cumulative grade point average.

Baking & Pastry Arts

A two-year program leading to the associate in science degree.

Major Courses

BPA1010	Fundamental Skills and Techniques	3
BPA1015	Classic Pastry	3
BPA1020	Pies and Tarts	3
BPA1025	Cookies and Petits Fours	3
BPA1030	Hot and Cold Desserts	3
BPA1035	Chocolates and Confections	3
BPA1040	Introduction to Cakes	3
BPA1045	Principles of Artisan Bread Baking	3
BPA1050	Viennoiserie	3
BPA1060	How Baking Works	3
BPA2010	Specialty Cakes	3
BPA2015	Entremets and Petits Gâteaux	3
BPA2020	Plated Desserts	3
BPA2025	Advanced Artisan Bread Baking	3
BPA2030	Sugar Artistry	3

Pastry Arts Applications

BPA2626	Baking & Pastry Internship	13.5
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Related Professional Studies

FSM1065	Food Safety and Sanitation Management *	1.5
FSM2025	Food and Beverage Cost Control	4.5
NUTR2001	Introduction to Nutrition	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Mathematics		4.5
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
Science **		4.5
One course from BIO, CHM, PHY or SCI		
A&S Electives		4.5
One course with an EASC attribute.		
Total Credits		96.0

* Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

** Students intending to continue for a B.S. degree in Culinary Nutrition must complete SCI1015 Introduction to Life Science.

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

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Four-Year Options:

- Baking & Pastry Arts (<http://catalog.jwu.edu/programsofstudy/culinary/baking-pastry-arts-bs>)
- Baking & Pastry Arts and Food Service Management (<http://catalog.jwu.edu/programsofstudy/management/baking-pastry-arts-food-service-management-bs>)
- Business Studies (<http://catalog.jwu.edu/programsofstudy/management/business-studies-bs>)
- Food & Beverage Entrepreneurship (<http://catalog.jwu.edu/programsofstudy/management/food-beverage-entrepreneurship-bs>)

Please note the following campus considerations when choosing a Four Year Option:

- Baking & Pastry Arts bachelor's degree program is only offered in Providence for day students.
- Baking & Pastry Arts and Food Service Management is not available in Denver CE.
- Business Studies is not available in Denver CE.
- Food & Beverage Entrepreneurship is only offered in Charlotte and Providence for day students.

Culinary Arts - AS

The associate degree program in Culinary Arts provides students with practical education in food production, while developing professionalism and excellence in academic achievement. Students progress through a program of study that builds proficiency in food production and cooking, cost control, nutrition, food safety and sanitation. Hands-on training is paired with traditional academic courses resulting in a curriculum that is both dynamic and directly aligned with industry needs.

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 and beverage operation
- 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

The focus of the first-year culinary lab classes is the development and practice of cooking skills, baking, dining and beverage service skills, which includes national certification in alcohol intervention procedures. Second-year laboratories include advanced techniques in classical and international cuisines, garde manger, patisserie/dessert and dining room.

The culinary lab experience is complemented by a sound general education core and professional studies which include menu planning and cost control, nutrition and a food safety course that, upon successful completion, results in a Food Safety Manager certification recognized by the Conference for Food Protection.

Culinary Internship

Associate degree students will participate in one term of experiential education which allows students to participate in food service operations in preparation for future careers. Possible sites include university-owned or -operated practicum educational facilities, hotels, restaurants, country clubs, resorts, casinos, spas and contract food service providers. Eligibility requirements for certain sites include a 2.75 cumulative GPA and completion of all prerequisite coursework. International internship opportunities at host company sites throughout the world may also be available for students who have met specific college eligibility requirements, have a minimum of one year work experience in a full-service restaurant, hotel or resort, and who maintain a 3.25 cumulative grade point average.

Additionally each year, a select group of second-year students is chosen to participate in a student **Culinary International Exchange** program with culinary arts schools in Ireland and the Azores. For one term, JWU students attend classes in either of these countries, as students from these schools attend culinary classes at Johnson & Wales University. Selected students receive full academic credit for an internship term abroad.

Graduates of the associate degree program in Culinary Arts are eligible, or may apply, for entrance into the following Bachelor of Science degree programs: Baking & Pastry Arts, Culinary Arts and Food Service Management, Culinary Nutrition, Food Service Entrepreneurship or Business Studies. Certain requirements pertain to each of these bachelor degree programs, which are noted in their respective program descriptions.

Graduates of the program have the opportunity to gain employment in the food service industry, which would include a variety of positions in full-service restaurants, hotels, clubs and resorts catering operations, quantity food production facilities, health spas and cruise lines.

Teaching Assistant and Fellow Scholarship Program

Each year, administrators at the College of Culinary Arts, in conjunction with the administration of university-owned or -operated practicum educational facilities, select teaching assistant candidates from among the top students

of the graduating class in the Culinary Arts and Baking & Pastry Arts associate degree programs. Students who are continuing their education at the university as teaching assistants must be enrolled in a day school program. Qualified teaching assistants may advance to fellow during their senior year. These opportunities allow students to help defray the costs of advanced study while developing their supervisory/management skills.

Culinary Arts

A two-year program leading to the associate in science degree:

Major Courses		
CUL1015	Introduction to Culinary Foundations	3
CUL1035	Culinary Fundamentals	3
CUL1055	Cooking in Today's Restaurant: Breakfast & Lunch	3
CUL1075	Cooking in Today's Restaurant: Dinner	3
CUL1095	Cooking in the Global Marketplace	3
CUL1115	The Science of Cooking and Sensory Analysis	3
CUL1135	Purchasing, Product Identification & Protein Fabrication	3
CUL1325	Essentials of Dining Service	3
CUL1345	Foundations of Baking & Pastry	3
CUL1365	Exploring Beverages *	3
CUL2215	The Craft of Garde Manger	3
CUL2235	Contemporary Service and Restaurant Supervision	3
CUL2245	International Cuisine and Culinary Cultures	3
CUL2255	Advanced Pastry	3
CUL2265	Classical Cuisines of France and Italy	3
Culinary Arts Applications		
CUL2626	Culinary Arts Internship	13.5
Related Professional Studies		
FSM1065	Food Safety and Sanitation Management **	1.5
FSM2045	Introduction to Menu Planning and Cost Controls	4.5
NUTR2001	Introduction to Nutrition	4.5
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Mathematics		4.5
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
Science ***		4.5
One course from BIO, CHM, PHY or SCI		
A&S Electives		4.5
One course with an EASC attribute.		
Total Credits		96.0

* ServSafe Alcohol Certification course required.

** Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.

*** Students intending to continue for a B.S. degree in Culinary Nutrition must complete SCI1015 Introduction to Life Science.

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

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Four-Year Options:

- Baking & Pastry Arts (<http://catalog.jwu.edu/programsofstudy/culinary/baking-pastry-arts-bs>)
- Business Studies (<http://catalog.jwu.edu/programsofstudy/management/business-studies-bs>)
- Culinary Arts and Food Service Management (<http://catalog.jwu.edu/programsofstudy/management/culinary-arts-food-service-management-bs>)
- Food & Beverage Entrepreneurship (<http://catalog.jwu.edu/programsofstudy/management/food-beverage-entrepreneurship-bs>)

Please note the following campus considerations when choosing a Four-Year Option:

- Baking & Pastry Arts bachelor's degree program is only offered in Providence for day students.
- Business Studies is not available in Denver CE.
- Culinary Arts and Food Service Management is not available in Denver CE.
- Food & Beverage Entrepreneurship is only offered in Charlotte and Providence for day students.

Baking & Pastry Arts - BS

The College of Culinary Arts has designed a four-year curriculum that combines practical education in baking and pastry production with leadership training and general studies courses to prepare students for careers as executive pastry chefs. In the Baking & Pastry Arts bachelor of science degree program students are guided in building skills to master their visions to create artisan breads, confections, sugar works, plated desserts, wedding cakes and chocolate showpieces. During their junior year, students rotate through two terms of academic courses and one term of intensive advanced laboratories. Laboratory courses build hands-on skills in advanced baking and pastry arts techniques.

Upon completion of the program, graduates are expected to:

- Design, produce and present professional pastry and bread showpieces and sculptures as used for weddings, buffets, and competitions.
- Utilize formula substitutions and modifications to develop formulas and finished pastry and bread products that are balanced, flavorful and technically sound.
- Prepare, produce and present pastry, baked products and desserts using multiple, classical and contemporary techniques at a professional level.
- Apply FDA recommended food safety and sanitation principles to food and beverage products, tools and equipment used throughout the flow of the food and beverage operation.
- Prepare, utilize and interpret financial documents related to food-service management operations.
- Demonstrate professional leadership attributes necessary for operating responsibly in the food service industry.

During their senior year, students experience one term of experiential education, which includes internship. During pastry internships, students participate in actual public food service operations in preparation for future careers. Possible sites include university-owned or operated practicum educational facilities, hotels, restaurants, country clubs, resorts, casinos, artisan bakeries, confectionary shops and wedding cake boutiques and are production oriented in nature, with emphasis on supervisory skill development and management and pastry skill refinement. Along with another advanced lab and academics, students participate in “real world” activities which allow them to experience the role of the pastry chef in baking and pastry operations.

Qualified students have the opportunity to replace their internship experience with a summer study abroad program experience. Student teams of 20 to 26 join with faculty plus international schools to study regional specialties and techniques in baking and pastry. Recent programs have been in Italy and Peru. The program combines classroom and practical industry experience.

Upon completion of the bachelor’s degree program in Baking & Pastry Arts, students will be prepared to enter the food service industry in positions such as assistant pastry chef and executive pastry chef trainee.

Note: All students interested in entering the Baking & Pastry Arts bachelor’s degree program must complete and submit an application to the program director. Selection is based on previous academic performance, industry experience and professional recommendations. Students must have a minimum GPA of 3.0.

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: 96

in Baking & Pastry Arts (<http://catalog.jwu.edu/programsofstudy/culinary/baking-pastry-arts-as>)

OR

in Culinary Arts (<http://catalog.jwu.edu/programsofstudy/culinary/culinary-arts-as>)*,**

Third and fourth years:

Major Courses

BPA3010	Advanced Decorative Breads	3
BPA3015	Naturally Leavened Breads and Advanced Viennoiserie	3
BPA3020	Sensory Analysis in Contemporary Desserts	3
BPA3025	Neo-Classic Desserts	3
BPA3030	Advanced Petits Gâteaux	3
BPA4010	Baking and Pastry Buffet Presentation	3
BPA4015	Tiered and Themed Decorated Cakes	3

BPA4020	Advanced Wedding Cake Design	3
BPA4025	Advanced Chocolates and Confections	3
BPA4030	Advanced Sugar Artistry	3
Advanced Applications		
BPA4199	Advanced Baking and Pastry Internship (or Study Abroad)	13.5
Related Professional Studies		
CAR0010	Career Capstone	1
FSM3022	Baking Science	4.5
FSM3035	Supervision for Food Service Professionals	4.5
FSM3040	Food Service Financial Systems	4.5
A&S Core Experience		
Integrative Learning		9.0
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
ART3020	Art History	
or PHIL3040	Ethics of Business Leadership	
One course from a different discipline: ART, HIST, HUM, LIT, PHIL or REL		
Mathematics		4.5
MATH2001	Statistics	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCL or SOC		
A&S Electives		4.5
One course with an EASC attribute, at the 3000 level or higher.		
Total Credits		94.0
Four-Year Credit Total		190.0

* Culinary Arts associate in science degree graduates enrolling in the bachelor of science degree in Baking & Pastry Arts must complete all A.S. Baking & Pastry Arts laboratory courses.

** Students entering this program with an Associate in Occupational Science Degree may be required to complete additional quarter credit hours of general education courses.

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Culinary Nutrition - BS

The Culinary Nutrition bachelor's degree program is the only program of its kind in the country that integrates the theoretical foundations of nutrition and food science with practical culinary applications. In answer to industry and consumer demands for healthy menu choices and products, graduates of the program combine their nutrition and scientific knowledge and principles to their advanced culinary skills.

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.
- Demonstrate working knowledge of supporting areas of food and food systems, physical and biological science, and behavioral and social sciences.

The Culinary Nutrition program is a four-year degree program that begins with a focus on the craft of culinary arts in the first year of study* and once a student is accepted** into the Culinary Nutrition Program, the second, third and fourth years continue to develop culinary skills and focus on the theory of nutrition and culinary science. The third and fourth years specifically include areas of study that address foundational and advanced nutrition and general sciences, food science, leadership and applied culinary nutrition theory which prepares students for a career in restaurants, clinical dietetics or product research and development.

The Culinary Nutrition program has two tracks of study: Clinical/Dietetics and Culinary Food Science/Product Research and Development.

Clinical/Dietetics is a challenging profession that applies the science of food and nutrition to the health and well-being of individuals and groups. Clinical/Dietetics students develop nutrition care plans and learn nutritional diagnostic skills, as well as refine sensory evaluation techniques. The satisfactory completion of the Clinical/Dietetics track allows students to be eligible to apply for a postgraduate dietetic internship which is a requirement for the National Dietetic Registration Exam to become a Registered Dietitian Nutritionist (RD/RDN).

Students who choose the Culinary Food Science Track are prepared to work in the nation's leading test kitchens in areas such as product development, recipe development and quality assurance. Culinary Science students are involved in developing potential market products, taking them from product concept through prototype development. Strong communication and presentation skills are necessary to succeed in this fast paced environment.

Qualified students within both program tracks have the opportunity to replace their advanced culinary nutrition internship with a summer abroad experience.

The Culinary Nutrition Program is accredited by:

The Accreditation Council for Education in Nutrition (ACEND)
of the Academy of Nutrition and Dietetics
120 South Riverside Plaza, Suite 2000
Chicago, IL 60606-6995,
312-899-0040, ext. 5400.

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 Culinary Nutrition degree program meets those standards.

* The first year of study is equivalent to the first year of study in the associate degree in Culinary Arts.

**Upon the completion of the first year of study, all students interested in entering the Culinary Nutrition program must complete and submit an application to the program director before starting Culinary Nutrition specific classes. While application typically takes place during the first year of study, students may apply at any point during their career at Johnson & Wales University. Selection is based on previous academic performance, industry experience and professional recommendations. Students must have

a minimum GPA of 3.0 and a B or better in both SCI1015 Introduction to Life Science and NUTR2001 Introduction to Nutrition.

Tracks of study pertaining to Clinical/Dietetics (for Culinary Nutrition Majors)

NUTR4030 Medical Nutrition Therapy 4.5

NUTR4630 Advanced Medical Nutrition Therapy 4.5

Tracks of study pertaining to Culinary Food Science (for Culinary Nutrition Majors)

CUL4111 Product Design and Development 4.5

NUTR3510 Principles of Food Product Development 4.5

Teaching Assistant and Fellow Scholarship Program

Each year, administrators at the College of Culinary Arts, in conjunction with the administration of university-owned or -operated practicum educational facilities, select teaching assistant candidates from among the top students of the graduating class in the Culinary Arts and Baking & Pastry Arts associate degree programs. Students who are continuing their education at the university as teaching assistants must be enrolled in a day school program.

Qualified teaching assistants may advance to fellow during their senior year. These opportunities allow students to help defray the costs of advanced study while developing their supervisory/management skills.

Culinary Nutrition

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

Culinary Foundations * , **

CUL1015	Introduction to Culinary Foundations	3
CUL1035	Culinary Fundamentals	3
CUL1055	Cooking in Today's Restaurant: Breakfast & Lunch	3
CUL1075	Cooking in Today's Restaurant: Dinner	3
CUL1095	Cooking in the Global Marketplace	3
CUL1115	The Science of Cooking and Sensory Analysis	3
CUL1135	Purchasing, Product Identification & Protein Fabrication	3
CUL1325	Essentials of Dining Service	3
CUL1345	Foundations of Baking & Pastry	3
CUL1365	Exploring Beverages ***	3
CUL2215	The Craft of Garde Manger	3
CUL2235	Contemporary Service and Restaurant Supervision	3
CUL2245	International Cuisine and Culinary Cultures	3
CUL2255	Advanced Pastry	3
CUL2265	Classical Cuisines of France and Italy	3

Major Courses

CUL3155	Vegetarian Cuisine	4.5
CUL3175	Designing Healthy Desserts	3
CUL4155	Athletic Performance Cuisine	4.5
CUL4175	Spa Cuisine	4.5
NUTR3030	Nutrition Assessment	4.5
NUTR3050	Life Span Nutrition	4.5
FSM3025	Food Science	4.5

Major Electives

Choose one of the following tracks:

Clinical/Dietetics Track

NUTR4030 & NUTR4630	Medical Nutrition Therapy and Advanced Medical Nutrition Therapy	
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OR

Culinary Food Science/Product Research and Development Track

NUTR3510 & CUL4111	Principles of Food Product Development and Product Design and Development	
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Advanced Applications

CUL4198	Advanced Culinary Nutrition Internship	13.5
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Related Professional Studies

CAR0010	Career Capstone	1
CHM2040	Introduction to Organic Chemistry	4.5
CHM3040	Biochemistry	4.5
ENG2010	Technical Writing	4.5
FSM1065	Food Safety and Sanitation Management ****	1.5
FSM2045	Introduction to Menu Planning and Cost Controls	4.5
FSM3035	Supervision for Food Service Professionals	4.5
FSM3040 or FSM2010	Food Service Financial Systems † Medical Food Service	4.5
NUTR2001	Introduction to Nutrition	4.5
SCI2031	Anatomy and Physiology	4.5

SCI4060 & SCI4061	Food Microbiology and Food Microbiology Lab	6.75
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
HIST3020	A Multicultural History of America	
One course from ART, HUM, LIT, PHIL or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
SCI1015	Introduction to Life Science	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCI or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Total Credits		205.75

- * Baking & Pastry Arts students must complete the three terms of the Culinary Arts degree laboratory classes prior to entering the Culinary Nutrition bachelor of science degree program.
- ** Students entering this program with an Associate in Occupational Science Degree may be required to complete additional quarter credit hours of general education courses.
- *** ServSafe Alcohol Certification course required.
- **** Students must pass a national exam that is recognized by the Conference for Food Protection as a graduation requirement.
- † FSM2010, Medical Food Service, is strongly recommended for students pursuing a career in the Clinical/Dietetics.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Sommelier - MINOR

The College of Culinary Arts offers a Sommelier minor (22.5 credits) that strengthens the qualifications of graduates preparing for the on-premise restaurant industry whether as managers or chefs. 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.

Sommelier

Minor

CUL3020	Foundations of Wine	4.5
CUL4020	New World Wines	4.5
CUL4030	Old World Wines	4.5
CUL4045	Spirits and Mixology Management *	4.5
CUL4185	Sommelier Capstone	4.5
Total Credits		22.5

* If CUL4045 Spirits and Mixology Management is part of major, then students should take CUL3092 Brewing Arts or CUL3093 Coffee, Tea and Non-alcoholic Beverage Specialist or FSM4070 The Business of Alcohol Distribution, Retail and Sales.

School of Engineering & Design

- **Associate in Science (A.S.) Degree**
 - Computerized Drafting (p. 64)
- **Bachelor of Science (B.S.) Degree**
 - Cyber Threat Intelligence & Defense (p. 65)
 - Electronics Engineering (p. 66)
 - Engineering Design & Configuration Management (p. 67)
 - Graphic Design & Digital Media (p. 68)
 - Network Engineering (p. 71)
 - Robotics Engineering Technology (p. 72)
 - Software Engineering (p. 73)
- **Master of Science (M.S.)**
 - Information Security/Assurance (p. 70)

Computerized Drafting - AS

The two-year associate in science degree program in Computerized Drafting combines academic theory, basic drafting methods, computer-aided drafting techniques and general communications skills with the practical experience necessary for entry-level CAD drafting skills in engineering fields that utilize mechanical, architectural or electrical applications.

Upon completion of the program, graduates are expected to:

- Apply knowledge of industry standard practices and applications
- Utilize critical thinking processes to identify problems and formulate creative solutions that meet required specifications
- Communicate design solutions which incorporate global perspective and ethical responsibility
- Use engineering drafting principles and related skills necessary for project resolution

Upon completion of this program, students may seek career opportunities in state and local government public works and transportation departments, or architectural, electronics and manufacturing industries as draftspersons and/or CAD operators. Students may also choose to continue their studies in the Engineering Design & Configuration Management bachelor of science degree program (day program only).

Computerized Drafting

A two-year program leading to the associate in science degree

Major Courses

CAD1000	Computer-Aided Drafting I	6
CAD1L00	Computer-Aided Drafting I Lab	1
CAD1020	Computer-Aided Drafting II	6
CAD1L20	Computer-Aided Drafting II Lab	1
CAD1030	3D Parametric Modeling	6
CAD1L30	3D Parametric Modeling Lab	1
CAD2000	Portfolio Development	1.5
CAD2020	Mechanical CAD	4.5
CAD2030	Design I: Principles of Design	4.5
CAD2040	Architectural CAD	4.5
CAD2055	Introduction to Building Information Modeling	4.5
CAD2059	Introduction to Computer-Integrated Manufacturing (CIM)	4.5
CAD2061	CAD Applications	4.5

Related Professional Studies

FIT1050	Digital Technology for the Creative Industries	4.5
MATH1030	Precalculus	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Mathematics		4.5
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
Science		6
PHY1011 & PHY1015	General Physics I and General Physics I Laboratory	
Social Science		4.5
One course from ECON, PSCI, PSYC or SOC		
A&S Electives		4.5
One course with an EASC attribute.		
Total Credits		91.5

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

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Four-Year Options:

- Engineering Design & Configuration Management (<http://catalog.jwu.edu/programsofstudy/engineering-design/engineering-design-configuration-management-bs>)

Please note the following campus considerations when choosing a Four-Year Option:

- Engineering Design & Configuration Management is only offered in Providence for day students.

Cyber Threat Intelligence & Defense - BS

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 demonstrate the ability 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 new program, Cyber Threat Intelligence & Defense, 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 to 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 require 9 credit experience. Student may elect to add an additional 4.5 credits based upon advising and prior planning.

Upon graduations 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 School of Arts & Science. 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	4.5
CSIS1101	Computer Science I	4.5
CSIS1112	Computer Science II	4.5
CSIS2030	Database Concepts	4.5
CSIS2045	Introduction to Operating Systems	4.5
CSIS2080	Database Design	4.5
CYB1005	Introduction to Cyber Security Operations	4.5
CYB2010	Assembly Language Programming	4.5
CYB3011	Software Reverse Engineering	4.5
CYB3023	Large Scale Distributed Systems	4.5
CYB3038	HCI/Usable Security	4.5
CYB4010	Computer and Network Forensics	4.5
CYB4026	Cyber Intelligence	4.5
CYB4032	Perimeter Protection and Vulnerability Assessment	4.5
CYB4044	Active Cyber Defense and Countermeasures	4.5
ENGN2014	Computer Architecture I	4.5
ITEC2081	Network Protocols I	4.5
ITEC2082	Network Protocols II	4.5
ITEC3050	Information Security	4.5
ITEC3075	Network Security	4.5
ITEC3083	Wireless Networking	4.5

Related Professional Studies

CAR0010	Career Capstone	1
LAW2001	The Legal Environment of Business I	4.5
LAW3080	Cyberlaw	4.5
PRMG2010	Introduction to Project Management	4.5

Experiential Education Electives

Choose 9 credits from the following: *		9
DEE3999	Directed Experiential Education **	
TECX4045	Technical Solutions Team I	
TECX4046	Technical Solutions Team II	
TECX4099	Technology Internship	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3020	Crisis and Controversy: A Critical Thinking Approach	
or PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH2001	Statistics	
MATH2020	Discrete Mathematics ***	
Science		6
PHY1011	General Physics I	
PHY1015	General Physics I Laboratory	
Social Sciences		9
LEAD1010	Foundations of Leadership Studies	
One course from ECON, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Total Credits		182.5

* Students not meeting the requirements for experiential education may take courses in the School of Engineering & Design above 2000-4999 designations that are not part of program requirements, or Free Electives with Department Chair approval.

** 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).

*** Students that do not place in MATH2020 Discrete Mathematics will need to take an extra course, MATH1020 Fundamentals of Algebra, as prerequisite. If needed this will count as an A&S elective.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

Electronics Engineering - BS

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.

Our 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 our experiential education options, you'll 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

Major Courses

ENGN1001	Digital Logic Design I	4.5
ENGN2002	Digital Logic Design II	4.5
ENGN2003	Circuit Theory I	4.5
ENGN2004	Circuit Theory I Lab	1
ENGN2005	Circuit Theory II	4.5
ENGN2006	Circuit Theory II Lab	1
ENGN2007	Circuit Theory III	4.5
ENGN2008	Circuit Theory III Lab	1
ENGN2020	Transform Methods for Engineering	4.5
ENGN2030	Electronic Communications	4.5
ENGN2075	Microcontrollers I	4.5
ENGN2080	Microcontrollers II	4.5
ENGN2085	Introduction to Embedded Systems	4.5
ENGN3004	Circuit Theory IV	4.5
ENGN3005	Circuit Theory V	4.5
ENGN3035	Microelectronics Design	4.5
ENGN3045	Electricity & Magnetism	4.5
ENGN3055	Electronics Engineering Design and Prototyping	4.5
ENGN4030	Digital Signal Processing	4.5
ENGN4060	Embedded Systems Design I	4.5
ENGN4065	Embedded Systems Design II	4.5

Related Professional Studies

CAD3015	Engineering Graphics & Design	4.5
CAR0010	Career Capstone	1
CSIS1020	Fundamentals of C Programming	4.5
CSIS2050	Advanced Programming Concepts	4.5
FIT1025	Engineering Tools for Problem Solving	2
MATH2043	Ordinary Differential Equations	4.5
MATH3040	Calculus III	4.5
PRMG2010	Introduction to Project Management	4.5
PHY2011 & PHY2015	Physics I and Physics I Laboratory	6.0
PHY2022 & PHY2025	Physics II and Physics II Laboratory	6.0

Experiential Education Electives

Choose 9 credits from the following: *		9
DEE3999	Directed Experiential Education **	
TECX4045	Technical Solutions Team I	
TECX4046	Technical Solutions Team II	
TECX4099	Technology Internship	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	

ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1040	Calculus I (or higher, based on student's placement) ***	
MATH2040	Calculus II	
Science		6.75
CHM1000 & CHM1005	Foundations in Chemistry and Foundations in Chemistry Laboratory	
Social Sciences		9
Two courses from different disciplines: ECON, LEAD, PSCL, PSYC, SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Total Credits		200.25

* Students not meeting the requirements for experiential education may take courses with CAD, CSIS, ENGN, FIT, ITEC, or PRMG with 2000-4999 designations that are not part of program requirements, or Free Electives with Dept. Chair approval.

** 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).

*** Students that do not place in MATH1040 Calculus I will need to take an extra course, MATH1020 Fundamentals of Algebra, as prerequisite. If needed this will count as an A&S elective.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Engineering Design & Configuration Management - BS

The Engineering Design & Configuration Management bachelor's degree program complements the two-year Computerized Drafting associate degree. Students build upon their associate degree in Computerized Drafting and integrate CAD software and drafting standards to develop engineering design concepts and configuration management methods and techniques.

Upon completion of the program, graduates are expected to:

- Apply knowledge of fundamental engineering sciences necessary to carry out analysis and design appropriate to product and project development.
- Use critical thinking in identifying, formulating and solving engineering and design problems.
- Communicate design solutions which reflect global perspective and ethical responsibility.
- Use the tools and materials necessary to develop and manage a project including analyzing and interpreting project results.
- Integrate knowledge, tools and problem solving skills in project and product development.

The Engineering Design & Configuration Management program is comprised of the development of design skills, conventions and standards, and the management of design documentation for products and projects. The organization and design of products parallels the organization and development of projects. Some topics in this program are quality control/professional practice, design and project development, materials and process engineering, standards/codes and ergonomics, configuration management and an introduction to CAD/CAM. Each course is developed for hands-on experience and case studies to prepare the student for professional placement.

Graduates may be part of design and project teams in a product manufacturing field or in areas of project development and management with start-up companies and established organizations.

Engineering Design & Configuration Management

A four-year program leading to the bachelor of science degree for two-year Computerized Drafting program graduates.

First two years:	91.5
in Computerized Drafting (http://catalog.jwu.edu/programsofstudy/engineering-design/computerized-drafting-as)	
Third and fourth years:	
Major Courses	
CAD3075	Design for Manufacturing 4.5
ENGN3000	Materials and Process Engineering 4.5
ENGN3085	Principles of Systems Engineering 4.5
ENGN3130	Design II: Iteration and Design Development 4.5
ENGN4000	Standards/Codes and Ergonomics 4.5
ENGN4005	Quality Control/Professional Practice 4.5
ENGN4010	Configuration Management 4.5
ENGN4130	Design III: Project Resolution and Detailing 4.5
Major Electives	
Choose one of the following:	4.5
CSIS1000	Problem Solving and Programming Concepts
DME1000	Foundation Drawing and Digital Tools
DME1020	Design Perspectives
DME1030	Principles of Composition & Design
ENGN1001	Digital Logic Design I
ENGN2000	Robotics
FIT1014	Solving Business Problems with Technology
FIT1040	Spreadsheet Design for Business Solutions
FIT2040	Emerging Technologies in the Workplace
Related Professional Studies	
CAR0010	Career Capstone 1
ENGN3090	Systems Performance and Measurement 4.5
PRMG2010	Introduction to Project Management 4.5
Experiential Education Electives	
Choose 9 credits of the following:	9
DEE3999	Directed Experiential Education **
TECX4045	Technical Solutions Team I
TECX4046	Technical Solutions Team II
TECX4099	Technology Internship

A&S Core Experience		
Integrative Learning		9.0
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3020	Crisis and Controversy: A Critical Thinking Approach	
or PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		4.5
MATH2001	Statistics	
Social Sciences		4.5
LEAD1010	Foundations of Leadership Studies	
A&S Elective		4.5
One course with an EASC attribute, at 3000 level or higher.		
Total Credits		91.0
Four-Year Credit Total		182.5

* Students not meeting the requirements for experiential education may take courses with DME, CSIS, ENGN, FIT, ITEC, or PRMG with 2000-4999 designations that are not part of program requirements, or Free Electives with Dept. Chair approval.

** 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).

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Graphic Design & Digital Media - BS

The Graphic Design & Digital Media bachelor's degree program combines visual design foundation courses and pre-professional educational experience to prepare students for careers in professional graphic design and digital media.

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.
- Create ethical design solutions that respond to the physical, cognitive, cultural and social elements of the audience.
- Work, integrate and communicate productively in teams to successfully adhere to industry standards, professionalism and etiquette.

Students in this degree program prepare for a wide range of career opportunities in the creative industries where graphic design and technology intersect. Sample job titles in this rapidly changing professional market include Graphic 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.

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 presentational materials.

In addition, the junior and senior years are highlighted with real-world experience in the Alan Shawn Feinstein Technology & Design Center (FTDC) and through internships. Students develop competitive skills in project management by creating, managing and presenting graphic design and digital media projects for real-world clients in nonprofit organizations.

In Design Solutions Team I and II, junior-level students apply their knowledge to real-world problems through experiential education. Working from the Feinstein Technology & Design Center on campus, students provide digital media solutions for nonprofit organizations. 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 info graphics; video; animation and websites. Students work in project teams supervised by faculty.

In their senior year, students complete the Senior Portfolio Assessment course that guides students 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.

Other opportunities such as study abroad, national competitions and school exhibitions are also available to qualified students and complement the college experience.

Graphic Design & Digital Media

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

Major Courses

DME1000	Foundation Drawing and Digital Tools	4.5
DME1020	Design Perspectives	4.5

DME1030	Principles of Composition & Design	4.5
DME1040	Screen Design & Coding I	4.5
DME1050	Imaging for Digital Media	4.5
DME1060	Screen Design & Coding II	4.5
DME2000	Typography and Spatial Design	4.5
DME2020	Motion Graphics I	4.5
DME2030	Print Design	4.5
DME2040	Portfolio Assessment	4.5
DME2050	Interactive Architecture and Content Design	4.5
DME3010	Design Solutions Team I	4.5
DME3020	Design Solutions Team II	4.5
DME3115	Technologies for Screen Design	4.5
DME3210	Print Production	4.5
DME4010	Digital Media Studio I	4.5
DME4020	Digital Media Studio II	4.5
DME4050	Senior Portfolio Assessment	4.5

Related Professional Studies

ADVC1010	Marketing Communications	4.5
ADVC2001	Creative Concepts and Strategy	4.5
ADVC2002	Copywriting and Art Direction	4.5
CAR0010	Career Capstone	1
PRMG2010	Introduction to Project Management	4.5

Experiential Education Electives

Choose 9 credits of the following: *		9
DEE3999	Directed Experiential Education **	
TECX4045	Technical Solutions Team I	
TECX4046	Technical Solutions Team II	
TECX4099	Technology Internship ***	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
ART3020	Art History	
One course from HIST, HUM, LIT, PHIL or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
SOC2010	Sociology of Digital Environments	
One course from ECON, LEAD, PSCL or PSYC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
9 credits selected from 1000-4999 numbered offerings within the university.		9
Total Credits		181.0

* Students not meeting the requirements for experiential education may take courses with DME, CSIS, ENGN, FIT, ITEC, or PRMG with 2000-4999 designations that are not part of program requirements, or Free Electives with Dept. Chair approval.

** 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).

*** Students wishing to do 13.5 credits of TECX4099 Technology Internship must use 4.5 credits of free elective requirements.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and

elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Information Security/Assurance - MS

The Master of Science (M.S.) in Information Security/Assurance 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 10-course degree with a five-course core and two four-course focus areas, technical or business, that a student can choose from. The final program requirement is a 4.5 credit capstone research project.

Statistics and Network Fundamentals or their equivalents are requirements for this program. If a student does not have these courses within his/her undergraduate program or transferred in, they will need to complete the prerequisite and foundation courses prior to registering for core and focus classes.

Information Security/Assurance

Master of Science (M.S.)

Prerequisite Course *		
MATH2001	Statistics	4.5
Foundation Course		
ISA5005	Network Fundamentals	4.5
Core Courses		
ISA5010	Research Methods in Information Security	4.5
ISA5020	Foundations of Information Security Management	4.5
ISA5030	Legal and Ethical Principles in IT	4.5
ISA5040	Network Security and Cryptography	4.5
ISA5050	Digital/Computer Forensics and Investigation	4.5
Required Focus		
Technical Focus Courses		18
ISA6010	Software Security Testing	
ISA6020	Securing Virtualized and Cloud Infrastructures	
ISA6030	Hacking Countermeasures and Techniques	
ISA6040	Advanced Network Intrusion Detection and Analysis	
Career Capstone Course		
ISA6090	Information Security & Assurance Capstone Research Project	4.5
Total Credits		45.0-54.0

*

Course offered through the undergraduate College of Arts & Sciences.

Network Engineering - BS

The Network Engineering bachelor's degree program gives students an in-depth skill base in the networking tools and problem-solving practices they need to become professionals in the fast-growing field of network technology. Using current networking software and hardware tools, students develop communications skills that prepare them to become highly functional members of project teams consisting of design, technological and business professionals.

Upon completion of the program, graduates are expected to:

- Apply knowledge of math, science, engineering and contemporary developments in the fields of network architecture, network security, and transmission systems to carry out analysis and design appropriate to network engineering.
- Use network engineering processes to identify and analyze problems, and formulate, implement and test networking solutions that meet required specifications.
- Incorporate historical context and emerging developments in the fields of network architecture, network security, and transmission systems to create adaptable and efficient solutions with ethical considerations and global awareness.
- Employ techniques, skills, and modern tools necessary for network engineering best practices.
- Integrate knowledge, tools, and problem solving skills to carry out the design, creation, maintenance and testing of state of the art networks.

Specially designed laboratories give students an enriched hands-on environment in which to hone their design and problem-solving skills, become familiar with equipment and methods common in industry and use a range of current networking software tools.

Seniors participate in one of these experiential education options: technical project team or internship. Students apply for the technical project teams and are placed according to their qualifications, work availability and the best fit for their program of study. If students choose to select internship, they are able to complete the experience at a University-approved internship site.

Successful graduates of the program in Network Engineering should be prepared for network certification exams, and will be ready to embark upon careers in information technology and business as network administrators, managers, designers or assistant engineers.

Network Engineering

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

Major Courses

CAD2080	CAD for Network Systems Design	4.5
CSIS1000	Problem Solving and Programming Concepts	4.5
CSIS1020	Fundamentals of C Programming	4.5
CSIS1050	Data Structures	4.5
CSIS2045	Introduction to Operating Systems	4.5
CSIS2050	Advanced Programming Concepts	4.5
ENGN1025	Survey of Electronics	4.5
ITEC2081	Network Protocols I	4.5
ITEC2082	Network Protocols II	4.5
ITEC2085	Distributed Systems with TCP/IP	4.5
ITEC3010	Server Configuration and Implementation	4.5
ITEC3031	Router Internals and Integration	4.5
ITEC3050	Information Security	4.5
ITEC3060	Network Management and Administration	4.5
ITEC3075	Network Security	4.5
ITEC3083	Wireless Networking	4.5
Mastery Exam	Students are required to pass a mastery examination given by the Engineering department consisting of material from the network engineering major courses after completion of the ITEC3060 course.	0

Related Professional Studies

ACCT2001	Business Accounting I	4.5
CAR0010	Career Capstone	1
ENG2010	Technical Writing	4.5
LAW2001	The Legal Environment of Business I	4.5
MATH1040	Calculus I	4.5
MATH2020	Discrete Mathematics	4.5
MGMT2020	Organizational Behavior	4.5
PRMG2010	Introduction to Project Management	4.5

PRMG3010	Advanced Project Management	4.5
Experiential Education Electives		
Choose 9 credits of the following: *		
DEE3999	Directed Experiential Education **	9
TECX4045	Technical Solutions Team I	
TECX4046	Technical Solutions Team II	
TECX4099	Technology Internship	
A&S Core Experience		
Communications Foundation Courses		
ENG1020	English Composition	13.5
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		
PHIL3040	Ethics of Business Leadership	9
One course from ART, HIST, HUM, LIT or REL		
Mathematics		
MATH1030	Precalculus (or higher, based on student's placement) ***	9
MATH2001	Statistics	
Science		
PHY1011 & PHY1015	General Physics I and General Physics I Laboratory	6
Social Sciences		
LEAD1010	Foundations of Leadership Studies	9
One course from ECON, PSCI, PSYC or SOC		
A&S Electives		
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Total Credits		182.5

* Students not meeting the requirements for experiential education may take courses with CAD, CSIS, ENGN, FIT, ITEC, or PRMG with 2000-4999 designations that are not part of program requirements, or Free Electives with Dept. Chair approval.

** 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).

*** Students that do not place in MATH1030 Precalculus will need to take an extra course, MATH1020 Fundamentals of Algebra, as prerequisite. If needed this will count as an A&S elective.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Robotics Engineering Technology - BS

The Robotics Engineering Technology bachelor's degree program provides a broad based foundation in current and evolving areas of robotics and mechatronics engineering technology. The program focuses on the technology 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 technology processes to analyze problems, formulate solutions, conduct simulations and experiments and interpret data.
- Apply written, oral, and graphical communication for the engineering technology 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 technology 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 Technology

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

Major Courses

ENGN1001	Digital Logic Design I	4.5
ENGN2000	Robotics	4.5
ENGN2002	Digital Logic Design II	4.5
ENGN2003	Circuit Theory I	4.5
ENGN2004	Circuit Theory I Lab	1
ENGN2005	Circuit Theory II	4.5
ENGN2006	Circuit Theory II Lab	1
ENGN2010	Industrial Electronics	4.5
ENGN2011	Industrial Electronics Lab	1
ENGN2025	Applied Mechanics I: Statics	4.5
ENGN2032	Industrial Robotics	4.5
ENGN2035	Programmable Logic Controllers	4.5
ENGN2045	Computer Vision	4.5
ENGN2062	Artificial Intelligence	4.5
ENGN2075	Microcontrollers I	4.5
ENGN2080	Microcontrollers II	4.5
ENGN3010	Mechatronics I	4.5
ENGN3015	Mechatronics II	4.5
ENGN3025	Applied Mechanics II: Dynamics	4.5
ENGN3051	Introduction to Process Control	4.5
ENGN3053	Strength of Materials	4.5
ENGN3075	Applied Fluid Mechanics	4.5
ENGN4075	Robotics & Automation I	4.5
ENGN4080	Robotics & Automation II	4.5
MATH2040	Calculus II	4.5

Related Professional Studies

CAD1025	Parametric Modeling	4.5
CAR0010	Career Capstone	1
CSIS1020	Fundamentals of C Programming	4.5
CSIS2050	Advanced Programming Concepts	4.5
FIT1025	Engineering Tools for Problem Solving	2
PRMG2010	Introduction to Project Management	4.5

Experiential Education Electives

Choose 9 credits of the following: *		9
DEE3999	Directed Experiential Education **	
TECX4045	Technical Solutions Team I	
TECX4046	Technical Solutions Team II	
TECX4099	Technology Internship	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9

Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1030	Precalculus (or higher, based on student's placement) ***	
MATH1040	Calculus I	
Science		6
PHY1011 & PHY1015	General Physics I and General Physics I Laboratory	
Social Sciences		9
Two courses from different disciplines: ECON, LEAD, PSCI, PSYC, SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Total Credits		196.5

* Students not meeting the requirements for experiential education may take courses with CAD, CSIS, ENGN, FIT, ITEC, or PRMG with 2000-4999 designations that are not part of program requirements, or Free Electives with Dept. Chair approval.

** 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).

*** Students that do not place in MATH1030 Precalculus will need to take an extra course, MATH1020 Fundamentals of Algebra, as prerequisite. If needed this will count as an A&S elective.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Software Engineering - BS

The Software Engineering bachelor's degree program prepares graduates for challenges in the diverse, fast-paced and rapidly evolving field of software engineering. This curriculum provides students with the opportunity to significantly develop their technical skills, leadership abilities, project management skills, building skills and problem-solving abilities. Students are well positioned to analyze system requirements; choose appropriate technologies and development techniques; implement solutions; test, validate and secure software products; and document development efforts.

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 project management.
- Use software engineering concepts and processes to identify and analyze problems, and to formulate, implement and test software-based solutions that meet required specifications.
- Incorporate historical context and emerging developments in the fields of software architecture, programming languages, integrated development environments, network programming paradigms and application domains to create adaptable and efficient software solutions that reflect ethical considerations and global awareness.
- Use the techniques, skills and modern tools necessary for software engineering best practices.
- Integrate knowledge, tools and problem-solving skills to carry out the design, creation, maintenance and testing of state-of-the-art software solutions.

The Software Engineering program allows students to develop a solid philosophy based on sound computer science theory, technology as a tool for business solutions, and state-of-the-art labs and development environments. Graduates of this program are prepared to work in private, public or governmental organizations within various industries, such as retail, hospitality, finance or technology.

The program offers a three-course focus area that students can use to tailor the program to hone their skills in related technology areas. These courses are determined through discussion with the student's faculty advisor and recorded on the student's degree requirements.

Seniors participate in one of these experiential education options: technical project team or internship. Students apply for the technical project teams and are placed according to their qualifications, work availability and the best fit for their program of study. If students choose to select internship, they are able to complete the experience at a University-approved internship site.

Software Engineering

A four year program leading to a bachelor of science degree

Major Courses

CSIS1000	Problem Solving and Programming Concepts	4.5
CSIS1101	Computer Science I	4.5
CSIS1112	Computer Science II	4.5
CSIS2018	Advanced Data Structures	4.5
CSIS2023	Survey of Programming Languages	4.5
CSIS2030	Database Concepts	4.5
CSIS2045	Introduction to Operating Systems	4.5
CSIS2050	Advanced Programming Concepts	4.5
CSIS3106	Software Verification, Validation, Testing and Security	4.5
CSIS3126	Design Project I	4.5
CSIS4010	Software Engineering	4.5
ENGN2014	Computer Architecture I	4.5
ENGN2085	Introduction to Embedded Systems	4.5
ITEC2081	Network Protocols I	4.5
ITEC2085	Distributed Systems with TCP/IP	4.5
ITEC3040	Systems Analysis	4.5
ITEC3050	Information Security	4.5

Major Focus

Choose one of the areas below for a Major Focus: 13.5

Artificial Intelligence

ENGN2000	Robotics
ENGN2045	Computer Vision
ENGN2062	Artificial Intelligence

Web Development

CSIS3030	Server Side Programming I	
CSIS3040	Server Side Programming II	
ITEC3010	Server Configuration and Implementation	
Networking		
ITEC3031	Router Internals and Integration	
ITEC3075	Network Security	
ITEC3083	Wireless Networking	
Mobile Applications		
CSIS2075	Interface Design for Mobile Devices	
CSIS3070	Exploring Mobile Application Development with the iPhone	
CSIS3075	Mobile Application Development with Android	
Related Professional Studies		
CAR0010	Career Capstone	1
ENG2010	Technical Writing	4.5
MATH1040	Calculus I	4.5
MATH2020	Discrete Mathematics	4.5
PRMG2010	Introduction to Project Management	4.5
Experiential Education Electives		
Choose 9 credits from the following: *		9
DEE3999	Directed Experiential Education **	
TECX4045	Technical Solutions Team I	
TECX4046	Technical Solutions Team II	
TECX4099	Technology Internship	
A&S Core Experience		
Communication Foundation courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1030	Precalculus (or higher, based on student's placement) ***	
MATH2001	Statistics	
Science		6
PHY1011	General Physics I	
PHY1015	General Physics I Laboratory	
Social Sciences		9
Two courses from different disciplines: ECON, LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Total Credits		182.5

* Students not meeting the requirements for experiential education may take courses in the School of Engineering & Design above 2000-4999 designations that are not part of program requirements, or Free Electives with Department Chair approval.

** 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).

*** Students that do not place in MATH1030 Precalculus will need to take an extra course, MATH1020 Fundamentals of Algebra, as prerequisite. If needed this will count as an A&S elective.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

College of Management

School of Business

- **Bachelor of Science (B.S.) Degree**
 - Accounting (p. 75)
 - Advertising & Marketing Communications (p. 76)
 - Business Administration (p. 78)
 - Business Studies (p. 79)
 - Fashion Merchandising & Retailing (p. 82)
 - Finance (p. 83)
 - Food & Beverage Entrepreneurship (p. 85)
 - Management (p. 90)
 - Marketing (p. 91)
- **Bachelor of Science in Business Administration (B.S.B.A.) Degree**
 - Entrepreneurship (p. 81)
 - Human Resource Management (p. 87)
 - International Business (p. 89)
 - Operations and Supply Chain Management (p. 97)
 - Organizational Risk and Cyber Security Management (p. 98)
- **Master of Business Administration (MBA)**
 - MBA (p. 92)
 - MBA - Accounting Concentration (p. 93)
 - MBA - Hospitality Concentration (p. 94)
 - MBA - Information Technology Concentration (p. 95)
 - MBA One Year Program (p. 96)
- **Master of Science (M.S.)**
 - Finance (p. 84)
 - Human Resource Management (p. 88)
- **Programs for Undecided Students (track into bachelor's degree program)**
 - Undeclared (p. 105)
- **Non-Degree**
 - Pre-MBA Business/Commerce Major (p. 99)
 - Pre-MBA Non Business Major (p. 100)

School of Hospitality

- **Bachelor of Science (B.S.) Degree**
 - Baking & Pastry Arts and Food Service Management (p. 77)
 - Culinary Arts and Food Service Management (p. 80)
 - Hotel & Lodging Management (p. 86)
 - Restaurant, Food & Beverage Management (p. 101)
 - Sports/Entertainment/Event Management (p. 102)
 - Tourism & Hospitality Management (p. 104)

Accounting - BS

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, communications 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.

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 2.75 grade point average may have the opportunity to participate in internship opportunities either on or off campus. By participating in an internship, students receive professionally focused experience by performing accounting functions for various departments within the university and organizations outside the university, and may graduate with experience in such areas as accounts payable, accounts receivable and general ledger.

Accounting

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

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FIT1003	Introduction to Excel	2.25
FISV2000	Finance	4.5
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Major Courses

ACCT2021	Intermediate Accounting I	4.5
ACCT2022	Intermediate Accounting II	4.5
ACCT2023	Intermediate Accounting III	4.5
ACCT2035	Accounting Software	4.5
ACCT3011	Federal Taxes I	4.5
ACCT3031	Cost Accounting I	4.5
ACCT3040	Auditing	4.5
ACCT3050	Advanced Accounting	4.5
ACCT3060	Accounting Information Systems	4.5
ACCT4060	Accounting Seminar	4.5
ECON1001	Macroeconomics	4.5
FIT1013	Excel for Accounting & Finance	2.25

Major Electives

Choose three of the following: 13.5

ACCT3012	Federal Taxes II	
ACCT3030	Not-For-Profit Accounting	
ACCT3032	Cost Accounting II	
ACCT3045	Internal Auditing	
ACCT3055	Casino Accounting	
ACCT3065	Advanced Quickbooks	
ACCT3080	Fraud Examination: Theory and Practice	
ACCT4050	International Accounting	
FISV3199	Experiential Education Projects in Financial Modeling and Valuation	
Choose one of the following Legal Electives:		4.5
LAW3002	The Legal Environment of Business II	
LAW3010	Business Law for Accountants	
LAW3055	International Business Law	
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1035	Quantitative Analysis I (or higher, based on student's placement)*	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1002	Microeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives [#]		
13.5 credits selected from 1000-4999 numbered offerings within the university.		13.5
Total Credits		181.0

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

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Advertising & Marketing Communications - BS

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 host sites. This is a one-term, 4.5–13.5 credit experience with a business partner anywhere in the world. Students complete a specific business-building project, which is reviewed by the faculty advisor and the business partner.

Upon graduation, students may be employed by media organizations, advertising agencies or businesses in positions that utilize these skills. Typical areas of interest include entry-level positions in account management, brand management, copy writing, art direction, digital media planning/analyzing, managing social media, account planning, media planning/buying, media sales and creative services.

Advertising & Marketing Communications

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

Business Foundations		
ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5
Major Courses		
ADVC1010	Marketing Communications	4.5
ADVC1011	Media Strategy	4.5
or DME3050	Basics of Print Design	
ADVC1021	Public Relations and Corporate Communications	4.5
ADVC2001	Creative Concepts and Strategy	4.5
ADVC2025	Advanced Brand Communications	4.5
ADVC3003	Advertising Campaigns	4.5
ADVC3010	Digital Media Planning	4.5
or ADVC2002	Copywriting and Art Direction	
ADVC4015	Integrated Marketing Communications Seminar I	4.5
ADVC4016	Integrated Marketing Communications Seminar II	4.5
MRKT1002	Consumer Behavior	4.5
MRKT2050	Marketing Research	4.5
Major Electives		
Choose two of the following: *		
		9

ADVC3050	Special Projects in Integrated Marketing Communications	
ADVC4020	Portfolio Seminar	
ADVC4050	Search Engine Marketing	
DME1030	Principles of Composition & Design	
DME2025	Basics of Screen Design & Coding	
DME4050	Senior Portfolio Assessment	
MRKT3002	Brand Design	
MRKT3005	Brand Marketing	
MRKT3020	Product Development	
MRKT3045	Social Media Marketing	
MRKT3085	Marketing Analytics	
MRKT3150	Special Topics in Marketing	
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
or PHIL3020	Crisis and Controversy: A Critical Thinking Approach	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCL, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
27 credits selected from 1000-4999 numbered offerings within the university.		27
Total Credits		183.25

* Students are responsible for meeting prerequisites.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Baking & Pastry Arts and Food Service Management - BS

The Baking & Pastry Arts and Food Service Management program combines the strengths of baking and pastry arts and management to prepare students for a management career in front- or back-of-the-house. Graduates of the Baking & Pastry Arts and Food Service Management program with sufficient experience may obtain positions in a variety of areas that include, but are not limited to, restaurant manager, kitchen manager, pastry chef, executive chef, food and beverage director, catering manager, room service manager, sous chef, beverage manager and dining room manager.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the food service management profession to address industry problems both locally and globally.
- Communicate effectively to diverse audiences, purposes and situations in food service operations.
- Use decision-support tools and technology to solve problems and facilitate organizational processes within the food service operation.
- Comprehend and apply industry specific operational standards.
- Analyze and interpret pertinent information when making decisions within food service operations.

The curriculum provides ample opportunity for students to build upon their leadership and management abilities, cooking techniques, critical thinking, personal accountability and ethical behavior, problem-solving techniques, strong financial analysis skills and customer awareness. The Baking & Pastry Arts and Food Service Management degree program develops a culinary foundation and management philosophy in its graduates.

The program allows students to receive a world-class baking and pastry and hospitality education. Students receive several senior-level capstone experiences in culinary arts, hospitality operations and strategic management.

Baking & Pastry Arts and Food Service Management

A four-year program leading to the bachelor of science degree for two-year Baking & Pastry Arts program graduates.

First two years:

96

in Baking & Pastry Arts (<http://catalog.jwu.edu/programsofstudy/culinary/baking-pastry-arts-as>)

Third and fourth years:

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5

Major Courses

FSM2005	Technology in the Food and Beverage Industry	2.25
FSM3001	Food Service Management Systems and Human Resource Applications	4.5
FSM3075	Food Service and Hospitality Strategic Marketing	4.5
FSM4061	Advanced Food Service Operations Management	4.5
FSM4160	Food and Beverage Strategies and Logistics	4.5

A&S Core Experience

Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		4.5
MATH2001	Statistics	
Social Sciences		9
ECON1001	Macroeconomics	
or ECON1002	Microeconomics	
One course from LEAD, PSCL, PSYC or SOC		
A&S Electives		4.5
One course with an EASC attribute, at 3000 level or higher.		

Free Electives

13.5 credits selected from 1000-4999 numbered offerings within the university.

13.5

Total Credits

91.0

Four-Year Credit Total

187.0

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Business Administration - BS

The Business Administration bachelor's 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.
- Solve business problems by generating alternatives and justifying decisions using qualitative and quantitative methods.
- Propose and defend business positions integrating the effects of current global forces on the business 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.

Students also tailor their degree by working with a faculty advisor to select 45 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 degree

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1002	Microeconomics	4.5
MATH1035	Quantitative Analysis I	4.5
MATH2002	Statistics II	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5
MRKT3050	Techniques in Sales Management	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		

Free Electives

45 credits selected from 1000-4999 numbered offerings within the university.

45

Total Credits

183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Business Studies - BS

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

The program's coursework builds a basic foundation by exposing students to relevant areas of accounting, business law, economics, information technology, marketing and management. Students also tailor their degree by selecting a focus area that best suits their unique goals. Potential focus areas may include operations management, human resources, international business, marketing and entrepreneurship. 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.
- Present alternative solutions to business problems.
- Identify and analyze the effects of global forces within the business environment.

Upon graduation, students may navigate into one of many industries. In addition to gaining the general business competencies and skills desired by employers, students may use their Business Studies focus area and/or associate degree education and training to position themselves for unique careers of interest.

Business Studies

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

First two years: 90-96

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

OR

in Baking & Pastry Arts (<http://catalog.jwu.edu/programsofstudy/culinary/baking-pastry-arts-as>)

OR

in Culinary Arts (<http://catalog.jwu.edu/programsofstudy/culinary/culinary-arts-as>)

Third and fourth years:

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1.0
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1001	Macroeconomics	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5
MGMT2030 & MGMT3040	Operations and Supply Chain Management I and Process and Quality Management	9

OR

MGMT3060 & MGMT3050	Training and Development and Compensation, Benefits and Total Rewards	
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OR

IBUS2030 & IBUS3055	Foreign Area Studies and International Resource Management	
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OR

MRKT3005 & MRKT4030	Brand Marketing and International Marketing	
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OR

Two ENTR-designated courses		
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A&S Core Experience

Integrative Learning		9
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Two ILS courses, one at the 2000 level, and one at the 4000 level.

Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		4.5
MATH2001	Statistics	
Social Sciences		9
ECON1002	Microeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		4.5
One course with an EASC attribute at the 3000 level or higher.		
Total Credits		97.75
Four-Year Credit Total		187.75-193.75

Prerequisites

ENG1020	English Composition	4.5
ENG1021	Advanced Composition and Communication	4.5
ENG1030	Communication Skills	4.5
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	4.5
Science	One course from BIO, CHM, PHY or SCI	4.5
A&S Elective	One course with an EASC attribute	4.5

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Culinary Arts and Food Service Management - BS

The Culinary Arts and Food Service Management program combines the strengths of culinary arts and management to prepare students for a management career in front- or back-of-the-house. Graduates of the Culinary Arts and Food Service Management program with sufficient experience 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.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the food service management profession to address industry problems both locally and globally.
- Communicate effectively to diverse audiences, purposes and situations in food service operations.
- Use decision-support tools and technology to solve problems and facilitate organizational processes within the food service operation.
- Comprehend and apply industry specific operational standards.
- Analyze and interpret pertinent information when making decisions within food service operations.

The curriculum provides opportunities for students to build upon their leadership and management abilities, cooking techniques, critical thinking, personal accountability and ethical behavior, problem-solving techniques, strong financial analysis skills and customer awareness. The Culinary Arts and Food Service Management degree develops a culinary foundation and management philosophy in its graduates.

The program allows students to receive a world-class culinary arts and hospitality education. The program's strength is that students receive several senior-level capstone experiences in culinary arts, hospitality operations and strategic management.

Culinary Arts and Food Service Management

A four-year program leading to the bachelor of science degree for two-year Culinary Arts program graduates.

First two years:	96
in Culinary Arts (http://catalog.jwu.edu/programsofstudy/culinary/culinary-arts-as)	
Third and fourth years:	
Business Foundations	
ACCT1210	Financial Accounting 4.5
ACCT1220	Managerial Accounting 4.5
CAR0010	Career Capstone 1
FISV2000	Finance 4.5
FIT1003	Introduction to Excel 2.25
LAW2001	The Legal Environment of Business I 4.5
Major Courses	
FSM2005	Technology in the Food and Beverage Industry 2.25
FSM3001	Food Service Management Systems and Human Resource Applications 4.5
FSM3075	Food Service and Hospitality Strategic Marketing 4.5
FSM4061	Advanced Food Service Operations Management 4.5
FSM4160	Food and Beverage Strategies and Logistics 4.5
A&S Core Experience	
Integrative Learning	9
Two ILS courses, one at the 2000 level, one at the 4000 level	
Arts and Humanities	9.0
PHIL3040 Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL	
Mathematics	4.5
MATH2001 Statistics	
Social Sciences	9.0
ECON1001 Macroeconomics	
or ECON1002 Microeconomics	
One course from LEAD, PSCI, PSYC or SOC	
A&S Electives	4.5
One course with an EASC attribute, at 3000 level or higher.	
Free Electives #	

13.5 credits selected from 1000-4999 numbered offerings within the university.	13.5
Total Credits	91.0
Four-Year Credit Total	187.0

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Entrepreneurship - BSBA

The Bachelor of Science in Business Administration (B.S.B.A.) in Entrepreneurship 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	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1002	Microeconomics	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5

Major Courses

ENTR3015	Small Business Management	4.5
ENTR3025	Growth and Sustainability for Small Business	4.5
ENTR3030	Marketing for Entrepreneurs	4.5
ENTR4010	Change and Innovation Management	4.5
ENTR4055	Entrepreneurship Seminar	4.5
MGMT3030	Managerial Technology	4.5
PRMG2010	Introduction to Project Management	4.5
RMGT2001	Enterprise Risk Management	4.5

A&S Core Experience

Communications Foundation Courses	13.5
ENG1020 English Composition	
ENG1021 Advanced Composition and Communication	
ENG1030 Communication Skills	
Integrative Learning	9
Two ILS courses, one at the 2000 level, and one at the 4000 level.	
Arts and Humanities	9
PHIL3040 Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL	
Mathematics	9
MATH1020 Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001 Statistics	
Science	4.5
One course from BIO, CHM, PHY or SCI	
Social Sciences	9
ECON1001 Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC	
A&S Electives	9
Two courses with an EASC attribute, one at 3000 level or higher.	

Free Electives

22.5 credits selected from 1000-4999 numbered offerings within the university.

22.5

Total Credits

183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Fashion Merchandising & Retailing - BS

The Fashion Merchandising & Retailing bachelor's degree program prepares students for careers in a variety of marketing, managerial and executive opportunities. Students learn fashion and retail concepts in areas such as merchandise buying, visual merchandising and fashion marketing.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values related to global fashion markets and designer contributions.
- Communicate effectively to diverse audiences, purposes and situations through a variety of professional methods as required in Fashion Merchandising and Retailing.
- Use decision-support tools to resolve contemporary business issues using ethical business practices.
- Apply creative and advanced analytical competencies necessary for careers in fashion merchandising and retail marketing.
- Identify, analyze and forecast future industry trends in the acquisition of products and manufacturing of consumer goods.

As part of the program, students are offered the opportunity to develop expertise in merchandise buying, fashion marketing and visual merchandising. Additionally, students may apply these skills in programs such as directed experiential education, internships, summer work or study abroad programs. These programs are tailored based on the student's learning, interests and professional goals. Students may also meet with faculty advisers to select a specific career focus.

Upon graduation, students are prepared for fashion and retail entry-level positions including retail sales management and fashion showroom management, executive store manager-in-training, merchandise buyer, visual merchandiser, fashion marketing, fashion forecaster, fashion blogger, fashion promotion and textiles.

Fashion Merchandising & Retailing

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

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Major Courses

RTL1005	Retailing	4.5
RTL1010	Textiles	4.5
RTL1020	The Business of Fashion	4.5
RTL2063	Retail Industry Seminar	4.5
RTL2095	Fashion and Retail Lab	4.5
RTL3020	Merchandise Mathematics	4.5
RTL3030	Cases in Fashion and Retail	4.5
RTL4010	Retail Executive Decision Making	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
	Two ILS courses, one at the 2000 level, and one at the 4000 level.	
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
or PHIL3020	Crisis and Controversy: A Critical Thinking Approach	
	One course from ART, HIST, HUM, LIT, or REL	
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
	One course from BIO, CHM, PHY or SCI	
Social Sciences		9
ECON1001	Macroeconomics	

One course from LEAD, PSCI, PSYC or SOC

A&S Electives 9

Two courses with an EASC attribute, at least one at 3000 level or higher.

Free Electives #

49.5 credits selected from 1000-4999 numbered offerings within the university. 49.5

Total Credits 183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Finance - BS

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 a grade point average of at least 2.75 may also have the opportunity to participate in a finance internship to gain experiential education by completing a work experience in their area of interest. 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	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5
Major Courses		
ACCT2021	Intermediate Accounting I	4.5
ACCT2022	Intermediate Accounting II	4.5
ECON1001	Macroeconomics	4.5
FISV2012	Introduction to Financial Institutions	4.5
FISV3001	Investments	4.5
FISV3005	International Finance	4.5
FISV3040	Money and Capital Markets	4.5
FISV3080	Financial Statement Analysis	4.5
FISV3199	Experiential Education Projects in Financial Modeling and Valuation	4.5
FISV4020	Risk Management and Insurance	4.5
FISV4025	Corporate Finance	4.5
FISV4080	Finance Seminar	4.5
FIT1013	Excel for Accounting & Finance	2.25
Major Electives		
Choose 13.5 credits of the following:		13.5
FISV3015	Fundamentals of Financial Planning	
FISV4010	Bank Management	
FISV4015	Fundamentals of Estate Planning	
FISV4030	Real Estate	
FISV4040	Futures and Options	
FISV4050	Portfolio Management and Analysis	
FISV4060	Fixed Income Analysis	
FISV4070	Series 7 Securities	
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9

Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1035	Quantitative Analysis I (or higher, based on student's placement)*	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1002	Microeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
13.5 credits selected from 1000-4999 numbered offerings within the university.		13.5
Total Credits		181.0

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

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Finance - MS

The Master of Science in Finance degree program prepares students for career advancement in a variety of managerial and professional positions in a wide range of firms. As a result of the changes in the field of finance and the increasing complexity in the market, the modern analyst needs much more extensive training in finance than at any time in the recent past. This program provides students with the knowledge they need to apply complex financial technology for value creation in an ethical manner. The program provides two different tracks supported by elective courses for those wishing to seek certification as either a Certified Financial Planner(R) or a Chartered Financial Analyst.

Upon completion of the program, graduates are expected to:

- Apply knowledge of financial theories and practices to solve organizational and consumer economic challenges.
- Apply appropriate quantitative and qualitative methods to solve financial problems.
- Demonstrate effective oral and written communication skills as a foundation for lifelong learning.
- Critique and interpret financial data to assess and improve entity performance within a moral and ethical framework.

Finance

Master of Science (M.S.)

Foundation Courses

ECON5000	Economics in the Global Economy	4.5
FISV5000	Corporate Financial Accounting	4.5

Major Courses

FISV5410	Personal Financial Planning	4.5
FISV5526	Financial Reporting and Control	4.5
FISV5600	Financial Management	4.5
FISV6056	Fundamentals of Investment and Portfolio Management	4.5
MATH5100	Statistical Methods	4.5

Elective Courses

Choose five of the following: #		22.5
ACCT6410	Income Tax Planning *	
FISV5420	Estate Planning *	
FISV5430	Principles of Risk and Insurance *	
FISV5440	Retirement Planning *	
FISV6050	Strategic Financial Planning **	
FISV6060	Managing Capital Markets	
FISV6410	Equity Analysis **	
FISV6420	Bond Market Analysis **	
FISV6430	Applied Behavioral Finance	
FISV6440	Alternative Investments	
FISV6450	Derivatives and Risk Management **	
FISV6480	Capstone for Certified Financial Planners *	
FISV6490	Institutional Portfolio Management **	

Total Credits 45.0-54.0

- # Students can take any of the electives to earn the MS Finance degree.
- * Students wishing to qualify to CFP designation must take these electives (licensing not part of the MS Finance program).
- ** Students wishing to qualify for the CFA designation are highly recommended to take these electives (licensing not part of the MS Finance program).

Food & Beverage Entrepreneurship - BS

The Food & Beverage Entrepreneurship bachelor's degree program provides Baking & Pastry Arts, Culinary Arts and other associate degree graduates with the business skills necessary to open their own businesses and/or work in a management capacity at an existing food- or beverage-related venture.

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.

Graduates receive training from an integrated mix of custom entrepreneurial courses and business classes to build the necessary business knowledge-base to capitalize on their skills and passions. Opportunities also exist for students to study abroad. The university's faculty advising system helps guide and facilitate student choices.

Graduates are better prepared to both operate their own business and act as a proponent of intrapreneurship within existing organizations. An integrated mix of custom entrepreneurial courses, business classes, and extensive experiential opportunities (inside and outside of classes) prepares students for their careers as business starters and/or corporate intrapreneurs in an extensive variety of industries. Typically students enter in these varied career paths as junior managers-in-training for more responsible management positions.

Food & Beverage Entrepreneurship

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

First two years: 90-96
Associate degree or equivalent. Students must meet program's prerequisite requirements listed below.

OR

in Baking & Pastry Arts (<http://catalog.jwu.edu/programsofstudy/culinary/baking-pastry-arts-as>)

OR

in Culinary Arts (<http://catalog.jwu.edu/programsofstudy/culinary/culinary-arts-as>)
Third and fourth years:

Business Foundations		
ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
Major Courses		
ECON1001	Macroeconomics	4.5
ENTR1001	Introduction to Entrepreneurship	4.5
ENTR2030	Pitching & Planning New Ventures	4.5
ENTR3050	Forming & Launching New Ventures	4.5
or ENTR3060	Financing New Ventures	
ENTR4050	Food & Beverage Ventures Capstone	4.5
Major Electives		
Choose three of the following:		13.5
CUL3020	Foundations of Wine	
CUL3092	Brewing Arts	
CUL3093	Coffee, Tea and Non-alcoholic Beverage Specialist	
CUL4045	Spirits and Mixology Management	
ENTR3010	Small Business Consulting	
ENTR3015	Small Business Management	
ENTR3025	Growth and Sustainability for Small Business	
ENTR3030	Marketing for Entrepreneurs	
ENTR3050	Forming & Launching New Ventures	
ENTR3060	Financing New Ventures	
ENTR4010	Change and Innovation Management	

ENTR4099	Entrepreneurship Internship*	
MGMT4020	Strategic Management	
NUTR3510	Principles of Food Product Development	
A&S Core Experience		
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		4.5
MATH2001	Statistics	
Social Sciences		9
ECON1002	Microeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Elective		4.5
One course with an EASC attribute, at 3000 level or higher.		
Total Credits		93.25
Four-Year Credit Total		183.25-189.25

Prerequisites

ENG1020	English Composition	4.5
ENG1021	Advanced Composition and Communication	4.5
ENG1030	Communication Skills	4.5
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	4.5
Science	One course from BIO, CHM, PHY or SCI	4.5
A&S Elective	One course with an EASC attribute	4.5

* Students may choose up to 13.5 internship credits.

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Hotel & Lodging Management - BS

The Hotel & Lodging Management bachelor's degree program focuses on best industry leadership practices for both global operations and strategic management excellence in hotels and related management companies. Activities may relate to commercial overnight accommodations of all types including, but not limited to, hotels, resorts and such specialized lodging properties as boutique hotels, country inns and bed-and-breakfasts.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the hotel and lodging industry to address industry problems both locally and globally.
- Communicate professionally in all aspects of the hotel and lodging industry.
- Use decision-support tools to solve problems and facilitate organizational processes within the hotel and lodging industry environment.
- Maximize resources to promote sustainable operations through ethically responsible decision making.
- Perform effectively as a global manager in the multinational hospitality industry.
- Apply financial reasoning and performance analysis to evaluate issues in the hotel environment.

This degree program prepares graduates for employment in operational service management and professional staff positions as well as such higher-level positions, ultimately, as general managers and corporate leadership at the regional, national and international levels. Possible career tracks include front-of-the-house management, sustainable environmental management, revenue management, asset management, marketing and brand management, international property development, and food and beverage management. Affiliated activities consist of concierge services, sales and guest service, meeting and event planning, spa/resort and vacation ownership, residential living, consulting, and human resource management within hospitality industry properties.

As part of the program, all students complete a mandatory internship as well as an international cultural experience.

Hotel & Lodging Management

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

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Major Courses

FSM2065	Food and Beverage in the Hospitality Industry	4.5
FSM2180	Hotel Food and Beverage Operations Control	4.5
or FSM2080	Food Service Operations	
HOSP1001	Orientation to the Hospitality Industry	4.5
HOSP1015	Managing the Hotel Guest Experience	4.5
HOSP2011	Hospitality Sales and Meeting Management	4.5
HOSP3005	Leading Service Excellence in the Hospitality Industry	4.5
HOSP3012	Sustainable Hotel Support Operations	4.5
HOSP3075	Hotel Strategic Marketing and Brand Management	4.5
HOSP3077	Revenue Management	4.5
HOSP3085	International Hotel Operations, Development and Management	4.5
HOSP3099	Hotel Internship	13.5
HOSP4040	Hotel Asset Management	4.5
HOSP4060	Hospitality Strategy Design and Execution Seminar	4.5
SEE3850	Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9

Two ILS courses, one at the 2000 level, and one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Elective #		
13.5 credits selected from 1000-4999 numbered offerings within the university.		13.5
Total Credits		183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Human Resource Management - BSBA

The Bachelor of Science in Business Administration (B.S.B.A.) Human Resource Management 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 course work 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	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1002	Microeconomics	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5

Major Courses

LAW3065	Employment Law	4.5
MGMT3005	Workforce Planning and Deployment	4.5
MGMT3015	Labor Relations	4.5
MGMT3050	Compensation, Benefits and Total Rewards	4.5
MGMT3060	Training and Development	4.5
MGMT3070	Special Topics in Human Resource Management	4.5
MGMT4070	Strategic Human Resource Management	4.5
RMGT2001	Enterprise Risk Management	4.5

A&S Core Experience

Communications Foundation Courses	13.5
ENG1020	English Composition
ENG1021	Advanced Composition and Communication
ENG1030	Communication Skills
Integrative Learning	9
Two ILS courses, one at the 2000 level, and one at the 4000 level.	
Arts and Humanities	9
PHIL3040	Ethics of Business Leadership
One course from ART, HIST, HUM, LIT, or REL	
Mathematics	9
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)
MATH2001	Statistics
Science	4.5
One course from BIO, CHM, PHY or SCI	
Social Sciences	9
ECON1001	Macroeconomics
One course from LEAD, PSCI, PSYC or SOC	
A&S Electives	9

Two courses with an EASC attribute, one at 3000 level or higher.

Free Electives

22.5 credits selected from 1000-4999 numbered offerings within the university.	22.5
Total Credits	183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Human Resource Management - MS

The Master of Science in Human Resource Management 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 M.S. in Human Resource Management directly aligns with industry-relevant guidelines as determined by both the Society for Human Resource Management (SHRM) and the Human Resource Certification Institute (HRCI).

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 (M.S.)

Major Courses

HRMS010	Human Resource Management	4.5
HRMS020	Labor and Employee Relations	4.5
HRMS030	Strategic Compensation and Benefits	4.5
HRMS040	Organizational Training and Development	4.5
HRMS050	Strategic Recruiting, Retention and Succession	4.5
HRMS060	Human Resources in a Global Environment	4.5
HRM6010	Advanced Organizational Behavior	4.5
HRM6020	Human Resource Metrics and Statistical Research	4.5
HRM6030	Organizational Change Management	4.5
HRM6800	Human Resource Management Capstone	4.5
Total Credits		45.0

International Business - BSBA

The Bachelor of Science in Business Administration (B.S.B.A.) in International Business 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, summer work 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	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1002	Microeconomics	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5

Major Courses

IBUS2002	International Business	4.5
IBUS2040	International Culture and Protocol	4.5
IBUS3055	International Resource Management	4.5
LAW3055	International Business Law	4.5
MGMT3030 or FISV3005	Managerial Technology International Finance	4.5

Major Electives

HUM3020	Language & Cultural Immersion	13.5
OR		

Choose three of the following:

IBUS2031	Foreign Area Studies: China	
IBUS2032	Foreign Area Studies: Pacific Rim	
IBUS2033	Foreign Area Studies: Latin America	
IBUS2034	Foreign Area Studies: Russia	
IBUS2035	Foreign Area Studies: Eastern Europe	
IBUS2036	Foreign Area Studies: Africa	

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	

Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		

Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, one at 3000 level or higher.		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university.		22.5
Total Credits		183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Management - BS

The Management bachelor's 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 management.
- Effectively communicate within the contemporary business environment.
- Use decision-support tools to resolve contemporary management issues using ethical business practices.
- Analyze and interpret management issues in an increasingly multicultural and multinational world.
- Select appropriate strategies necessary for managing and leading 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 advisors 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 degree

Business Foundations		
ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5
Degree Courses		
ECON1002	Microeconomics	4.5
LAW3002	The Legal Environment of Business II	4.5
LEAD1010	Foundations of Leadership Studies	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT3030	Managerial Technology	4.5
MGMT3040	Process and Quality Management	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5
Major Electives		
Choose two of the following:		9
MGMT2040	Purchasing and Supply Chain Management	
MGMT3050	Compensation, Benefits and Total Rewards	
MGMT3060	Training and Development	
MGMT3070	Special Topics in Human Resource Management	
MGMT4001	Process Planning and Control	
MGMT4050	Contemporary Issues in Operations and Supply Chain Management Strategy	
MGMT4070	Strategic Human Resource Management	
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9

PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
36 credits selected from 1000-4999 numbered offerings within the university.		36
Total Credits		183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Marketing - BS

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 and research, brand strategy, and creative strategy.

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.

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.

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 advisors and business partners. Students also meet with faculty advisors to determine a career focus that best suits their desired professional objectives.

Our graduates are employed in professional marketing positions in disciplines such as product development, digital marketing, sales management, consumer insights, social media marketing, brand management and marketing analytics. Graduates may seek careers in for-profit, nonprofit and government settings.

Marketing

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

Business Foundations		
ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5
Major Courses		
ADVC1010	Marketing Communications	4.5
MRKT1002	Consumer Behavior	4.5
MRKT2050	Marketing Research	4.5
MRKT3005	Brand Marketing	4.5
MRKT3045	Social Media Marketing	4.5
or ADVC2001	Creative Concepts and Strategy	
or DME3050	Basics of Print Design	
MRKT3050	Techniques in Sales Management	4.5
MRKT4030	International Marketing	4.5
MRKT4055	Strategic Marketing	4.5
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
or PHIL3020	Crisis and Controversy: A Critical Thinking Approach	
One course from ART, HIST, HUM, LIT, or REL		

Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives [#]		
49.5 credits selected from 1000-4999 numbered offerings within the university.		49.5
Total Credits		183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

MBA

Johnson & Wales University's MBA 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 (MBA)

Foundation Courses

ECON5000	Economics in the Global Economy	4.5
FISV5000	Corporate Financial Accounting	4.5

Core Courses

FISV5600	Financial Management	4.5
FISV5526	Financial Reporting and Control	4.5
IBUS5511	Global Economic Environments	4.5
MGMT5500	Business Information and Decision-Making	4.5
MGMT5575	Operations Management	4.5
MGMT5800	Effective Leadership	4.5
MGMT5900	Ethics, Corporate Social Responsibility and Law	4.5
MRKT5500	Strategic Marketing	4.5

Elective Courses

Choose College of Management courses at the 5000 or higher level to fulfill the 13.5 credit elective requirement. Courses taken as foundation courses do not apply.	13.5
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Career Capstone Course

MGMT6800	Business Policy and Strategy	4.5
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Total Credits	54.0-63.0
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MBA - Accounting Concentration

Accounting Concentration

The MBA 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 will learn executive business competencies, professional leadership, and strategic and creative thinking skills that will 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 (MBA)

Prerequisite Courses ^{*}, ^{**}

ACCT2021	Intermediate Accounting I ^{**}	4.5
ACCT2022	Intermediate Accounting II	4.5
ACCT2023	Intermediate Accounting III	4.5
ACCT3011	Federal Taxes I	4.5
ACCT3040	Auditing	4.5
ACCT3050	Advanced Accounting	4.5
LAW3010	Business Law for Accountants ^{***}	4.5

Foundation Courses

ECON5000	Economics in the Global Economy	4.5
FISV5000	Corporate Financial Accounting	4.5

Core Courses

IBUS5511	Global Economic Environments	4.5
MGMT5500	Business Information and Decision-Making	4.5
MGMT5575	Operations Management	4.5
MGMT5800	Effective Leadership	4.5
MGMT5900	Ethics, Corporate Social Responsibility and Law	4.5
MRKT5500	Strategic Marketing	4.5

Accounting Courses

ACCT6001	Accounting Theory	4.5
ACCT6003	Advanced Auditing	4.5
ACCT6020	Individual Taxation	4.5
ACCT6021	Corporate Taxation	4.5
LAW6000	Law for Accountants	4.5

Career Capstone Course

- * Courses offered through the undergraduate College of Management 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 ACCT2021 Intermediate Accounting I, when students must have completed FISV5000 Corporate Financial Accounting or ACCT1210 Financial Accounting.
- *** Prior to enrolling in LAW3010, Business Law for Accountants, students must have completed LAW2001 The Legal Environment of Business I.

MBA - Hospitality Concentration

Hospitality Concentration

Johnson & Wales University is the largest educator 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 MBA with a 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.
- Create, introduce, and evaluate a customer relationship management system in the Hospitality Industry including multi-media and intrapersonal communication in complex multi-national environments.
- Create, design, implement and evaluate a business/ consumer event from a broad functional perspective.

Graduates will learn executive business competencies, professional leadership, and strategic and creative thinking skills that will help them ethically solve problems that occur 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 (MBA)

Foundation Courses

ECON5000	Economics in the Global Economy	4.5
FISV5000	Corporate Financial Accounting	4.5

Core Courses

FISV5526	Financial Reporting and Control	4.5
FISV5600	Financial Management	4.5
MGMT5500	Business Information and Decision-Making	4.5
MGMT5575	Operations Management	4.5
MGMT5800	Effective Leadership	4.5
MGMT5900	Ethics, Corporate Social Responsibility and Law	4.5
MRKT5500	Strategic Marketing	4.5

Hospitality Courses

HOSP6509	Hospitality and Tourism Global Issues	4.5
Choose three of the following:		13.5
EVNT6000	Event Leadership and Planning	
EVNT6020	Event Operations and Risk Management	
HOSP6030	Franchising and Licensing	
HOSP6526	Information Technology in Hospitality and Tourism	

Career Capstone Course

MGMT6800	Business Policy and Strategy	4.5
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Total Credits		54.0-63.0
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MBA - Information Technology Concentration

The MBA 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 will learn executive business competencies, professional leadership, and strategic and creative thinking skills that will 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 will allow 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 (MBA)

Foundation Courses

ECON5000	Economics in the Global Economy	4.5
FISV5000	Corporate Financial Accounting	4.5

Core Courses

FISV5600	Financial Management	4.5
FISV5526	Financial Reporting and Control	4.5
IBUS5511	Global Economic Environments	4.5
MGMT5500	Business Information and Decision-Making	4.5
MGMT5800	Effective Leadership	4.5
MGMT5900	Ethics, Corporate Social Responsibility and Law	4.5
MRKT5500	Strategic Marketing	4.5

Information Technology Courses

ITEC6514	Decision Support Systems	4.5
ITEC6524	Enterprise Data Management	4.5
ITEC6534	Strategic Management of Information Technology	4.5
ITEC6544	Current Trends and Issues in Information Technology	4.5

Career Capstone Course

MGMT6800	Business Policy and Strategy	4.5
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Total Credits		54.0-63.0
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MBA One Year Program

The one-year delivery of the MBA program is designed to be an intensive program of study which will allow a student to complete all requirements in 12 months beginning in June.

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 will learn executive business competencies, professional leadership, and strategic and creative thinking skills that will help them ethically solve problems that occur in the global business environment in culturally sensitive ways.

All courses are offered during the day at the Harborside Campus. The cohort model is used and admission is in June only. Students with minimal work experience 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 will be 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 courses are pre-determined and students pursue the program as a cohort.

Master of Business Administration - One Year Program

Master of Business Administration (MBA)

Foundation Courses

ECON5000	Economics in the Global Economy	4.5
FISV5000	Corporate Financial Accounting	4.5

Core Courses

FISV5600	Financial Management	4.5
FISV5526	Financial Reporting and Control	4.5
IBUS5511	Global Economic Environments	4.5
MGMT5500	Business Information and Decision-Making	4.5
MGMT5575	Operations Management	4.5
MGMT5800	Effective Leadership	4.5
MGMT5900	Ethics, Corporate Social Responsibility and Law	4.5
MRKT5500	Strategic Marketing	4.5

Elective Courses

FISV6050	Strategic Financial Planning	4.5
MGMT6056	Contemporary Leadership Issues and Strategies	4.5
MGMT6123	Contemporary Human Resource Issues and Strategies	4.5

Career Capstone Course

MGMT6800	Business Policy and Strategy	4.5
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Total Credits		54.0-63.0
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Operations and Supply Chain Management - BSBA

The Bachelor of Science in Business Administration (B.S.B.A.) in Operations and Supply Chain Management degree program prepares students for careers within a variety of fields. Students study business operations and continuity, logistics, process improvement and other necessary skills for today's businesses. Students are prepared to assume entry-level and mid-level positions and advanced course work 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	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1002	Microeconomics	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5

Major Courses

MATH1035	Quantitative Analysis I	4.5
MGMT3030	Managerial Technology	4.5
MGMT3035	Operations and Supply Chain Management II	4.5
MGMT3040	Process and Quality Management	4.5
MGMT3045	Logistics	4.5
	or MGMT3055 Procurement	
MGMT4001	Process Planning and Control	4.5
MGMT4050	Contemporary Issues in Operations and Supply Chain Management Strategy	4.5
RMGT2001	Enterprise Risk Management	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
	Two ILS courses, one at the 2000 level, and one at the 4000 level.	
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
	One course from ART, HIST, HUM, LIT, or REL	
Mathematics		9
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
	One course from BIO, CHM, PHY or SCI	
Social Sciences		9
ECON1001	Macroeconomics	
	One course from LEAD, PSCI, PSYC or SOC	

A&S Electives 9

Two courses with an EASC attribute, one at 3000 level or higher.

Free Electives

22.5 credits selected from 1000-4999 numbered offerings within the university. 22.5

Total Credits 183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Organizational Risk and Cyber Security Management - BSBA

The Bachelor of Science in Business Administration (B.S.B.A.) in Organizational Risk and Cyber Security Management degree program is designed to provide graduates with strong management and risk management foundations in this rapidly growing field. The demand for professionals competent in risk assessment and mitigation is driven by activities that disrupt normal operations, including fraud, information theft, computer hacking, workplace violence, terrorism and economic crime.

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.
- Develop plans for risk recovery including communication protocols to react to natural disasters, foreign and domestic terrorism, cyber security breaches, and internal and external threats.
- Analyze events, assess organizational readiness and develop counter-measures to maintain business continuity.

This program teaches organizational risk management as a necessary component of daily business operations. Students learn about the latest issues and concerns within the field while completing course work in risk, business management, cyber security, law, accounting and human resource management.

Organizational Risk and Cyber Security Management

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

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Degree Courses

ECON1002	Microeconomics	4.5
MGMT1002	Contemporary Business Management II	4.5
MGMT2020	Organizational Behavior	4.5
MGMT2030	Operations and Supply Chain Management I	4.5
MGMT4020	Strategic Management	4.5
MGMT4030	Senior Business Capstone	4.5

Major Courses

ACCT3080	Fraud Examination: Theory and Practice	4.5
ITEC1020	Introduction to Data Communications	4.5
ITEC3050	Information Security	4.5
LAW3025	Criminal Law	4.5
LAW3080	Cyberlaw	4.5
or CJS3820	Cyber Crimes	
RMGT2001	Enterprise Risk Management	4.5
RMGT3001	Emergency Planning and Business Continuity	4.5
RMGT4010	Risk Analysis and Loss Prevention	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, and one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT, or REL		
Mathematics		9
MATH1020	Fundamentals of Algebra (or higher, based on student's placement)	
MATH2001	Statistics	

Science	4.5
One course from BIO, CHM, PHY or SCI	
Social Sciences	9
ECON1001	Macroeconomics
One course from LEAD, PSCL, PSYC or SOC	
A&S Electives	9
Two courses with an EASC attribute, one at 3000 level or higher.	
Free Electives #	
22.5 credits selected from 1000-4999 numbered offerings within the university.	22.5
Total Credits	183.25

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Pre-MBA Business/Commerce Major - NONDEG

The Pre-MBA 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-MBA schedule of undergraduate courses, to equate their education to a four-year U.S. bachelor's degree while fulfilling MBA program prerequisites.

Students successfully completing the Pre-MBA program with a grade point average (GPA) of 3.0 on a scale of 4.0 will enroll directly into their selected MBA program.

Eligibility

The Pre-MBA program is offered only at the Providence Campus.

Applicants to the Pre-MBA program must hold a three-year degree from a recognized undergraduate-level institution with a minimum cumulative grade point average (GPA) of at least 3.0 on a 4.0 scale.

Students with three-year degrees may qualify for the direct entry into the MBA program if they can demonstrate the completion of three full years of degree-related work experience after earning the university degree.

Students may also qualify for direct entry if they graduated from a school with a rating of A or better from the National Accreditation Association Council.

Candidates must successfully complete the English as a Second Language program if they do not submit a passing score on the language proficiency test as stated under the English Proficiency Requirement (p. 224) section.

Application Procedure

Please refer to the International Admissions Requirements (p. 223) section.

Please note: Students accepted to the Pre-MBA program cannot transfer to the MBA program without first completing all Pre-MBA program requirements.

Scholarships

Students who successfully complete the Pre-MBA program with the required minimum 3.0 GPA needed to enter the MBA program will receive a nonrenewable \$2,000 MBA scholarship awarded over the length of the 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 College of Management and the College of Arts & Sciences.

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-MBA students will be done through Student Academic Services in the Student Services Center, located on the Downcity Campus.

Pre-MBA course descriptions are listed in the undergraduate catalog, which is available online (<http://catalog.jwu.edu>).

Pre-MBA Program

This program requires that a minimum of 10 undergraduate courses be taken by the student at Johnson & Wales University. Substitutions for higher courses or electives within 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.

Pre-MBA for Graduates from a Business/Commerce Major

Non-Degree

Economics

ECON1002	Microeconomics	4.5
Or higher, such as		
ECON3070	Contemporary Economic Issues	

English

ENG1020	English Composition	4.5
ENG1021	Advanced Composition and Communication *	4.5

or ENG2010	Technical Writing	
Law		
LAW2001	The Legal Environment of Business I	4.5
Or higher, such as		
LAW3002 or LAW3055	The Legal Environment of Business II International Business Law	
Marketing		
Choose one of the following:		
MRKT1001	Principles of Marketing *	4.5
MRKT3045	Social Media Marketing	
Math		
MATH2001	Statistics * +	4.5
Business Administration		
Choose one of the following business courses:		
MGMT1001	Contemporary Business Management I *	4.5
MGMT2020	Organizational Behavior	
MGMT2030	Operations and Supply Chain Management I	
MGMT2001	Human Resource Management	
Humanities		
Choose one of the following:		
PHIL3020	Crisis and Controversy: A Critical Thinking Approach	4.5
PHIL3040	Ethics of Business Leadership	
History	One HIST-designated course	
Literature	One LIT designated course	
Social Sciences: Psychology, Sociology or Political Science		
SOC1001	Sociology I	4.5
Leadership		
LEAD1010	Foundations of Leadership Studies	4.5
Total Credits		45.0

* Denotes specific subject requirements for entry into an MBA program; students who have fulfilled the primary requirement may take one of the other courses listed. Ten total courses, minimum, must be taken.

+ Requires College Math as prerequisite.

Pre-MBA Non Business Major - NONDEG

The Pre-MBA 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-MBA schedule of undergraduate courses, to equate their education to a four-year U.S. bachelor's degree while fulfilling MBA program prerequisites.

Students successfully completing the Pre-MBA program with a grade point average (GPA) of 3.0 on a scale of 4.0 will enroll directly into their selected MBA program.

Eligibility

The Pre-MBA program is offered only at the Providence Campus.

Applicants to the Pre-MBA program must hold a three-year degree from a recognized undergraduate-level institution with a minimum cumulative grade point average (GPA) of at least 3.0 on a 4.0 scale.

Students with three-year degrees may qualify for the direct entry into the MBA program if they can demonstrate the completion of three full years of degree-related work experience after earning the university degree.

Students may also qualify for direct entry if they graduated from a school with a rating of A or better from the National Accreditation Association Council.

Candidates must successfully complete the English as a Second Language program if they do not submit a passing score on the language proficiency test as stated under the English Proficiency Requirement (p. 224) section.

Application Procedure

Please refer to the International Admissions Requirements (p. 223) section.

Please note: Students accepted to the Pre-MBA program cannot transfer to the MBA program without first completing all Pre-MBA program requirements.

Scholarships

Students who successfully complete the Pre-MBA program with the required minimum 3.0 GPA needed to enter the MBA program will receive a nonrenewable \$2,000 MBA scholarship awarded over the length of the 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 College of Management and the College of Arts & Sciences.

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-MBA students will be done through Student Academic Services in the Student Services Center, located on the Downcity Campus.

Pre-MBA course descriptions are listed in the undergraduate catalog, which is available online (<http://catalog.jwu.edu>).

Pre-MBA Program

This program requires that a minimum of 10 undergraduate courses be taken by the student at Johnson & Wales University. Substitutions for higher courses or electives within 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.

Pre-MBA for Graduates from a Non-Business/Commerce Major

Non-Degree

Economics		
ECON1002	Microeconomics	4.5
Or higher, such as		
ECON3070	Contemporary Economic Issues	
English		
ENG1020	English Composition	4.5
ENG1021	Advanced Composition and Communication *	4.5
or ENG2010	Technical Writing	
Law		
LAW2001	The Legal Environment of Business I *	4.5
Or higher, such as		
LAW3002	The Legal Environment of Business II	
or LAW3055	International Business Law	
Marketing		
Choose one of the following:		
MRKT1001	Principles of Marketing *	4.5
MRKT3005	Brand Marketing	
Math		
MATH2001	Statistics *+	4.5
Accounting		
ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
FIT1003	Introduction to Excel	2.25
Business Administration - Management		
MGMT1001	Contemporary Business Management I *	4.5
MGMT2001	Human Resource Management	4.5
Total Credits		47.25

* Denotes specific subject requirements for entry into an MBA program; students who have fulfilled the primary requirement may take one of the other courses listed. Ten total courses, minimum, must be taken.

+ Requires College Math as prerequisite.

Restaurant, Food & Beverage Management - BS

The Restaurant, Food & Beverage Management bachelor's degree program provides a unique combination of culinary skills and hospitality management. The focus is on current restaurant and food service management industry topics. The program also develops proficiency in the area of beverage management. Other areas of study include critical thinking, financial analysis, industry technology, social media, leadership and customer awareness to prepare students for a management career in the food service industry. According to the National Restaurant Association, the food and beverage industry is the largest U.S. employer besides the government.

Upon completion of the program, graduates are expected to:

- Apply the major concepts, skills and values of the restaurant, food and beverage profession to address industry problems both locally and globally.
- Communicate effectively to diverse audiences, purposes and situations in the restaurant and food and beverage operations.
- Use decision-support tools to solve problems and facilitate organizational processes within the food and beverage environment.
- Integrate current industry technologies in all aspects of food and beverage management.
- Attain relevant industry-recognized certifications.
- Integrate industry-specific knowledge and skills in managing food and beverage operations.

As part of this program, all students complete a mandatory, term-long internship.

Value-added certifications within the degree include an industry-recognized responsible alcohol service certification, the national sanitation certification (a graduation requirement) recognized by the Conference for Food Protection, and the International School of Mixology Bartending Certificate.

Restaurant, Food & Beverage Management

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

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Major Courses

CUL1015	Introduction to Culinary Foundations	3
CUL1035	Culinary Fundamentals	3
CUL1115	The Science of Cooking and Sensory Analysis	3
CUL1135	Purchasing, Product Identification & Protein Fabrication	3
CUL1325	Essentials of Dining Service	3
CUL4045	Spirits and Mixology Management	4.5
FSM1001	Introduction to the Food Service Field	4.5
FSM1065	Food Safety and Sanitation Management *	1.5
FSM2005	Technology in the Food and Beverage Industry	2.25
FSM2055	Beverage Appreciation	4.5
FSM2080	Food Service Operations	4.5
or FSM2180	Hotel Food and Beverage Operations Control	
FSM3060	Front of the House Operations Management	4.5
FSM3099	Food Service Management Internship	13.5
FSM4061	Advanced Food Service Operations Management	4.5
FSM4160	Food and Beverage Strategies and Logistics	4.5
FSM4880	Beverage Operations Management	4.5
MRKT3045	Social Media Marketing	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	

Integrative Learning	9
Two ILS courses, one at the 2000 level, one at the 4000 level	

Arts and Humanities	9
PHIL3040	Ethics of Business Leadership
One course from ART, HIST, HUM, LIT or REL	
Mathematics	9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)
MATH2001	Statistics
Science	4.5
One course from BIO, CHM, PHY or SCI	
Social Sciences	9
ECON1001	Macroeconomics
or ECON1002	Microeconomics
One course from LEAD, PSCI, PSYC or SOC	
A&S Electives	9
Two courses with an EASC attribute, at least one at 3000 level or higher.	
Free Elective #	
13.5 credits selected from 1000-4999 numbered offerings within the university.	
Total Credits	184.0

* 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 credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Sports/Entertainment/Event Management - BS

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 coupled with a solid core of industry-relevant courses provides students with a theoretical background. Coursework is coupled with professional preparation, active learning classrooms and access to industry professionals.

During the first year of this four-year program, students begin taking foundational courses in sports, entertainment and event management. As they progress into more advanced coursework in areas such as media literacy, ticketing methods, venue management, negotiations and agreements, and ancillary services, they also have the option to begin tailoring their degree to best meet their future goals. Opportunities exist to enroll in specialized classes such as professional sports management, weddings and ceremonies, golf operations management, sports and entertainment marketing, tournament management, or concert and event production.

Students also have the option to participate in one or two term-long, 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, venue management, event production, and golf course operations.

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.
- Apply the principles of management to current issues in 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.

Graduates of the Sports/Entertainment/Event Management degree program are prepared for a variety of careers with amateur and professional sports teams, entertainment venues, conferences and trade shows, event planners, 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	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5
Major Courses		
SEE1001	Introduction to the Sports, Entertainment and Event Management Industry	4.5
SEE2005	The Business of Sports	4.5
SEE2020	The Business of Event Management	4.5
SEE2030	The Business of the Entertainment Industry	4.5
SEE3008	Ancillary Services and Revenue Management in the Sports, Entertainment and Event Industry	4.5
SEE3010	Ticketing Methods and Data Analysis in Sports, Entertainment and Event Management	4.5
SEE3045	New Media Literacy in Sports, Entertainment and Event Management	4.5

SEE3099	Sports/Entertainment/Event Management Internship	13.5
SEE3160	Sponsorship, Sales and Relationship Management	4.5
SEE3850	Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management	4.5
SEE4050	International Sports, Entertainment, Event and Venue Management	4.5
SEE4060	Sports/Entertainment/Event Management Seminar	4.5
Major Electives		
Choose two of the following:		9
Sports		
SEE2015	Leadership in Recreation/Leisure Settings	
SEE2040	Outdoor Recreation Planning	
SEE3020	Professional Sports Management	
SEE3030	Athletic Coaching and Administration	
SEE3065	Fundamentals of Fundraising and Philanthropy	
SEE3095	Tournament Management	
SEE3120	Fitness and Wellness Center Management	
SEE4020	Sports and Entertainment Marketing	
Entertainment		
SEE2070	The Gaming Industry	
SEE3015	Managing Gaming Operations	
SEE3060	Concert and Event Production	
SEE3150	Television and Movie Production Management	
Events		
DEE3999	Directed Experiential Education *	
FSM2110	Food and Beverage Operations in the Sports, Entertainment and Event Management Industry	
SEE3170	International Exhibitions & Events	
SEE3041	Special Event Protocol	
SEE3042	Weddings & Ceremonies	
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001	Macroeconomics	
One course from LEAD, PSCL, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Elective #		
13.5 credits selected from 1000-4999 numbered offerings within the university.		13.5
Total Credits		183.25

* 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 credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad

website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Tourism & Hospitality Management - BS

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.
- Identify, analyze and apply critical thinking using industry trends to enhance the guest experience.
- 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 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.

Business Foundations

ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
CAR0010	Career Capstone	1
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5

Major Courses

FSM2065	Food and Beverage in the Hospitality Industry	4.5
HOSP1001	Orientation to the Hospitality Industry	4.5
HOSP1080	Technology in the Tourism/Hospitality Industry	4.5
HOSP2011	Hospitality Sales and Meeting Management	4.5
HOSP3005	Leading Service Excellence in the Hospitality Industry	4.5
MRKT3045	Social Media Marketing	4.5
SEE3850	Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management	4.5
TRVL2801	World Geography for Tourism and Hospitality	4.5
TRVL3010	Dynamics of Tourism and Sustainability	4.5
TRVL3030	International Policies of Tourism	4.5
TRVL3035	Tour Management Operations *	4.5
TRVL3099	Tourism & Hospitality Internship	13.5
TRVL4011	Destination Management Organization	4.5
TRVL4160	Travel and Tourism Strategic Management Seminar	4.5

A&S Core Experience

Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level.		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		9

MATH1002	A Survey of College Mathematics (or higher, based on student's placement)	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Sciences		9
ECON1001 or ECON1002	Macroeconomics Microeconomics	
One course from LEAD, PSCI, PSYC or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher.		
Free Electives #		
13.5 credits selected from 1000-4999 numbered offerings within the university.		13.5
Total Credits		183.25

* Continuing Education students should contact their advisor prior to registration for this course.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Undeclared

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

Undeclared

All students enrolled in the Undeclared program pursue the following program of study for the first two years. Students must declare a major no later than the fifth term (sophomore year) of study.

Business Foundations		
ACCT1210	Financial Accounting	4.5
ACCT1220	Managerial Accounting	4.5
FISV2000	Finance	4.5
FIT1003	Introduction to Excel	2.25
LAW2001	The Legal Environment of Business I	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
MRKT1001	Principles of Marketing	4.5
Major Courses		
ECON1002	Microeconomics	4.5
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		4.5
One ILS course at the 2000 level		
Arts and Humanities		4.5
PHIL3040	Ethics of Business Leadership	
Mathematics		9
MATH1002	A Survey of College Mathematics (or higher, based on student's placement) [*]	
MATH2001	Statistics	
Science		4.5
One course from BIO, CHM, PHY or SCI		
Social Science		4.5
ECON1001	Macroeconomics	
A&S Elective		4.5
One course with an EASC attribute		
Total Credits		83.25

* Students considering a major in Accounting, Finance, Business Administration or any BSBA degree should elect MATH1020 Fundamentals of Algebra or higher.

College of Health & Wellness

- **Bachelor of Science (B.S.) Degree**
 - Health Science (p. 107)
- **Master of Science in Physician Assistant Studies**
 - Physician Assistant Studies (p. 109)

Health Science - BS

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 post-baccalaureate entry into graduate programs such as physician assistant studies, physical therapy, occupational therapy, public health, counseling, general MBA (or MBA in Healthcare Management), 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 are 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.
- Demonstrate empathy and respect inherent to humanism within health and wellness domains.
- Work collaboratively as a member of a health and wellness team to improve individual and community outcomes.

Health Science students, with the counsel of their advisor, choose one of three pathways: the Health Science pathway or one of two specializations in either Health Promotion or Health Management. All three pathways require that the student complete the eight core courses listed below.

The Health Science or pre-professional pathway contains specific physical science courses in biology, anatomy, physiology and chemistry. In consultation with their advisor, students choose additional courses that will prepare the student for their individual career goals. Students on this pathway are prepared for jobs in medicine and research or for applying to graduate and professional schools in a number of areas.

Health Promotion students take basic science courses in anatomy and physiology, exercise physiology and life science. Additional emphasis is placed on courses in counseling, health education, psychology and health policy. In consultation with advisors, these students may select courses that specifically prepare them for positions in the public health arena, such as health policy analysts, health promotion coordinators and WIC nutrition specialists, or for application to graduate programs in counseling psychology, bioinformatics or public health.

Health Management students take the same basic science courses as the Health Promotion specialization, but also take courses in accounting, economics, management, and health policy. These students are prepared for jobs as health service managers, health department administrators or for application to graduate MBA programs in healthcare management.

Health Science

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

Core Courses

CUL2414	Cooking for Health and Wellness	3
HSC1010	Introduction to Health Professions	1.5
HSC1110	Determinants of Health I	4.5
HSC1120	Determinants of Health II	4.5
HSC1230	Introduction to Public Health	4.5
HSC3100	Epidemiology	4.5
HSC4900	Data and Evidence in Health: Research Capstone	4.5
RSCH2050	Research Methods in Applied Settings	4.5
Choose Major Courses/Electives or a Specialization listed below†		
BIO1011	General Biology I	4.5
BIO1015	General Biology I Laboratory	2.25
BIO1022	General Biology II	4.5
BIO1025	General Biology II Laboratory	2.25

BIO2021	Functional Human Anatomy	4.5
BIO2025	Functional Human Anatomy Laboratory	2.25
BIO2041	Human Physiology	4.5
BIO2045	Human Physiology Laboratory	2.25
CHM1000	Foundations in Chemistry	4.5
CHM1005	Foundations in Chemistry Laboratory	2.25
Choose 29.25-30 credits from the following:		29.25-30
(Students selecting to focus in Occupational Therapy, Physical Therapy or Physician Assistant should consult with their faculty advisor prior to registration.)		
CHM2050 & CHM2055	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory	6.75
CHM3040 & CHM3045	Biochemistry and Biochemistry Laboratory	6.75
PHY1011 & PHY1015	General Physics I and General Physics I Laboratory	6
PHY1022 & PHY1025	General Physics II and General Physics II Laboratory	6
PSYC2002	Abnormal Psychology	4.5
PSYC2030	Developmental Psychology	4.5
SCI3500	How Drugs Work	4.5
SCI3611 & SCI3615	Infectious Disease and Infectious Disease Laboratory	6.75
SOC1001	Sociology I	4.5
SOC2035	Sociology of Aging	4.5
Major Elective‡ (Choose 4.5 credits from Major Electives)		4.5
Related Professional Studies		
CAR0010	Career Capstone	1
A&S Core Experience		
Communications Foundation Courses		13.5
ENG1020	English Composition	
ENG1021	Advanced Composition and Communication	
ENG1030	Communication Skills	
Integrative Learning		9
Two ILS courses, one at the 2000 level, one at the 4000 level		
Arts and Humanities		9
PHIL3040	Ethics of Business Leadership	
One course from ART, HIST, HUM, LIT or REL		
Mathematics		9
MATH1030	Precalculus ((or higher, based on student's placement) *, **)	
or MATH1020 Fundamentals of Algebra		
MATH2001	Statistics	
Science		4.5
SCI1050	Nutrition	
Social Sciences		9
PSYC1001	Introductory Psychology	
One course from ECON, LEAD, PSCI or SOC		
A&S Electives		9
Two courses with an EASC attribute, at least one at 3000 level or higher		
Free Electives #		
22.5 credits selected from 1000-4999 numbered offerings within the university		22.5
Total Credits		181.0-181.75

* Students selecting a specialization are only required to take MATH1020 Fundamentals of Algebra or higher based on placement.

** Students selecting major courses and electives are required to complete MATH1030 Precalculus or higher based on placement. Those that do not place in MATH1030 Precalculus will need to take an extra course, MATH1020 Fundamentals of Algebra, as prerequisite. If needed it will count as an A&S elective.

In addition to classes, free elective credit can be applied to a number of options such as Directed Experiential Education (DEE), Internship, Minor or Study Abroad. Students are strongly encouraged to contact an adviser before scheduling free elective credits.

† Specialization in Health Promotion		63
CSLG1001	Introduction to Helping Professions	
CSLG2030	Counseling Theories and Techniques	
HSC2230	Introduction to Global Health	
HSC3200	Health Education and Program Planning	
HSC4100	Health Policy, Ethics and the Law	
PSYC2002	Abnormal Psychology	
SCI1015	Introduction to Life Science	
SCI2020	Exercise Physiology	
SCI2031	Anatomy and Physiology	
Major Elective‡ (Choose 22.5 credits from Major Electives)		
Total Credits		63.0

† Specialization in Health Management		63
ACCT1210 & FIT1003	Financial Accounting and Introduction to Excel	
ACCT1220	Managerial Accounting	
ECON1001	Macroeconomics	
ECON1002	Microeconomics	
HSC4100	Health Policy, Ethics and the Law	
MGMT1001	Contemporary Business Management I	
MGMT4020	Strategic Management	
SCI1015	Introduction to Life Science	
SCI2020	Exercise Physiology	
SCI2031	Anatomy and Physiology	
Major Elective‡ (Choose 15.75 credits from Major Electives)		
Total Credits		63.0

‡ 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		
BIO1011 & BIO1015	General Biology I and General Biology I Laboratory	6.75
BIO2021 & BIO2025	Functional Human Anatomy and Functional Human Anatomy Laboratory	6.75
BIO2041 & BIO2045	Human Physiology and Human Physiology Laboratory	6.75
CHM1011 & CHM1015	General Chemistry I and General Chemistry I Laboratory	6.75
CHM2050 & CHM2055	Introduction to Organic Chemistry and Introduction to Organic Chemistry Laboratory	6.75
CHM3040 & CHM3045	Biochemistry and Biochemistry Laboratory	6.75
PHY1011 & PHY1015	General Physics I and General Physics I Laboratory	6
PHY1022 & PHY1025	General Physics II and General Physics II Laboratory	6
SCI1015	Introduction to Life Science	4.5
SCI2020	Exercise Physiology	4.5
SCI3500	How Drugs Work	4.5
SCI3611 & SCI3615	Infectious Disease and Infectious Disease Laboratory	6.75
HSC2230	Introduction to Global Health	4.5
HSC3200	Health Education and Program Planning	4.5
HSC3300	Comparative Healthcare Systems	4.5
HSC3899	Internship in Health Science	4.5-13.5
HSC4100	Health Policy, Ethics and the Law	4.5
Leadership/Management		
ACCT1210 & FIT1003	Financial Accounting and Introduction to Excel	6.75
ACCT1220	Managerial Accounting	4.5
ECON1001	Macroeconomics	4.5
ECON1002	Microeconomics	4.5
FISV2000	Finance	4.5
FIT1014	Solving Business Problems with Technology	4.5
MGMT1001	Contemporary Business Management I	4.5
MGMT2001	Human Resource Management	4.5
Social/Behavioral		
CSLG1001	Introduction to Helping Professions	4.5
CSLG2030	Counseling Theories and Techniques	4.5
PSYC2002	Abnormal Psychology	4.5
PSYC2030	Developmental Psychology	4.5
PSYC2040	Psychological Issues of Addiction and Compulsive Behavior	4.5
PSYC2100	Health Psychology	4.5
SOC2035	Sociology of Aging	4.5

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad

website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Physician Assistant Studies - MSPAS

The Physician Assistant Program at Johnson and 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 modules 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 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.

Fall and spring courses in Clinical Medicine, Diagnostic Skills and Pharmacotherapeutics are integrated and presented in a modular format. Students work sequentially through each body system module, one at a time, learning the physiology, pathophysiology, 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 module. In weekly small group meetings, they develop the critical thinking skills necessary to synthesize and apply the module content to real patient cases. Seminars in the practice of humanistic medicine will begin a life-long journey as a self-reflective and empathetic, patient-centered healthcare provider.

The second twelve months of the Program commences with a two-week 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. Students then begin the first of their nine clinical rotations. Each rotation is five weeks in length. These rotations will 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 Primary Care 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 Masters 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:

- Work collaboratively as part of the health care team.
- Develop rapport and an atmosphere of trust with patients and families by providing patient centered humanistic care.
- Accurately elicit a medical history and perform an appropriate physical examination based on patient presentation.
- Formulate an appropriate differential diagnosis based on the clinical presentation.
- Appropriately select and interpret common diagnostic studies based on the clinical presentation.

- Diagnose acute and chronic medical, surgical and psychological disorders through the application of scientific medical principles and based on clinical presentation and diagnostic testing results for patients across the lifespan.
- Develop, implement and manage appropriate acute, chronic or ongoing treatment plans including pharmacological and non-pharmacological approaches, surgery, counseling, therapeutic procedures, rehabilitative therapies, or other therapeutic modalities.
- Perform common laboratory studies and clinical procedures.
- Initiate and recommend health promotion and disease prevention measures such as disease screening, risk factor identification and education, diet and nutrition, and immunizations.
- Recommend and provide patient education and counseling for common medical and psychological illnesses, common medical procedures, therapeutic regimens, adherence, and health maintenance.
- Recognize when a problem is beyond the scope of the PA provider and refer the patient to the supervising physician, appropriate specialists, and/or community resources.
- Effectively document medical information in a variety of formats.
- Utilize effective interpersonal skills in written, oral, and electronic forms of communication with patients, families, and other members of the health care team.
- Utilize and apply evidence based medicine principles and skills to guide decision making in clinical practice.
- Demonstrate sensitivity regarding the emotional, cultural and socioeconomic aspects of the patient, the patient's condition, and the patient's family.
- Conduct themselves in a professional courteous manner and with the highest ethical and legal standards expected of a health care professional and consistent with the role and responsibilities of a physician assistant.
- Engage and employ lifelong learning skills through on-going self-reflection, active engagement, and professional development.

Physician Assistant Studies

Master of Science in Physician Assistant Studies (MSPAS)

Year 1: Didactic Year

PAS5100	Applied Anatomy	3
PAS5200	Foundations of Medicine	4
PAS5325	Patient Care I	4
PAS5344	Professional and Health Policy Issues I	2.5
PAS5425	Patient Care II	3
PAS5454	Professional and Health Policy Issues II	2
PAS5464	Professional and Health Policy Issues III	2.5
PAS5523	Clinical Medicine I	4
PAS5533	Clinical Medicine II	4
PAS5560	Pharmacotherapeutics I	3
PAS5570	Pharmacotherapeutics II	4
PAS5620	Diagnostic Skills I	4.5
PAS5630	Diagnostic Skills II	6
PAS5643	Clinical Medicine III	5
PAS5653	Clinical Medicine IV	5
PAS5725	Patient Care III	4

Year 2: Clinical Year

PAS6100	Introduction to Clinical Practice Course	2
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 will span the clinical year, credit will be awarded only in the Spring Semester.

Course Descriptions

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 (4.5-22.5 credits) to maintain registration at Johnson & Wales. Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE
4.5-22.5 Quarter Credit Hours

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 (4.5-22.5 credits) to maintain registration at Johnson & Wales. Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE
4.5-22.5 Quarter Credit Hours

Accounting (ACCT) Courses

ACCT1210 Financial Accounting

This introductory course acquaints students with 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 and interpretation and use of financial statement information in business decisions, and a study of the system that produces this information. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT1220 Managerial Accounting

This course is the second of two required accounting courses to be completed by students pursuing degrees in business and hospitality. Students learn the nature, application and behavior of costs in both the goods-producing sector and service-producing sector. Various approaches to preparing budgets are also discussed. Decision making utilizing the topics discussed is emphasized.
Prerequisite(s): ACCT1210 or ACCT1007 or ACCT2002 or ACCT2004 or ACCT1202 or ACCT1002 or ACCT1022 or ACCT10021 or ACCT10221 or ACCT1012 or ACCT10121. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT2001 Business Accounting I

The purpose of this course is to provide the student with an understanding of the processing of financial data with an emphasis on concepts rather than procedures. Accounting is presented with a focus on its business context integrating ratios and financial statements to enhance the understanding of how the information is used as a tool for decision making in the business world. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT2010 Personal Budgeting and Planning

This course focuses on personal financial planning for a variety of life situations. Topics include money management strategies, consumer credit, insuring your resources, and personal purchasing decisions. Topics are discussed with real-world applications.
Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT2021 Intermediate Accounting I

This course provides an introduction to financial accounting basic theory, practice and developmental framework. Students are exposed to certain assets such as cash, accounts receivable and inventories. Attention is given to their valuation and impact on periodic net income and financial position.
Prerequisite(s): ACCT1210, FIT1013.
Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT2022 Intermediate Accounting II

This course is a continuation of Intermediate Accounting I. Students are exposed to the remaining asset groups including non-current operating assets and long-term investments. Coverage also includes the entire spectrum of liabilities and stockholders equity.
Prerequisite(s): ACCT2021.
Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT2023 Intermediate Accounting III

This course serves as a continuation of Intermediate Accounting II. Special topics are studied such as accounting for earnings per share, income taxes, leases, pensions and the statement of cash flows.
Prerequisite(s): ACCT2022.
Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

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. Setup, maintenance and the entire accounting cycle are completed using the software.
Prerequisite(s): ACCT1210 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021).
Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021).
Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3012 Federal Taxes II

This course involves the study of federal tax laws pertaining to partnerships and corporations. Topics include the preparation of tax returns involving special problems, such as those associated with corporate reorganizations, personal holding companies and net operating losses.
Prerequisite(s): ACCT3011.
Offered at Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3030 Not-For-Profit 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): ACCT1220 or ACCT2023.
Offered at Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3031 Cost Accounting I

This course provides an introduction to accounting in a manufacturing business. Costing procedures covered include activity-based costing, job order cost, process cost, joint cost, standard cost and variance analysis. Prerequisite(s): ACCT1220 or ACCT3023 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021 or ACCT2004 or ACCT1012 or ACCT10121). Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3032 Cost Accounting II

This course focuses on a study of more advanced problems encountered in a manufacturing business. Topics covered include the use of a standard cost system, variance analysis, absorption versus direct costing, break-even analysis and material and labor-related problems. Prerequisite(s): ACCT3031. Offered at Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3040 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. Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

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): ACCT3040. Offered at Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3050 Advanced Accounting

This course is designed to provide the student with an introduction to international accounting and the knowledge to prepare consolidated financial statements. Prerequisite(s): ACCT2023. Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021). Offered at Providence, Providence CE
4.5 Quarter Credit Hours

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 ACCT3040. Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

ACCT3065 Advanced Quickbooks

In this interactive course, students expand their QuickBooks knowledge by becoming advanced users. Students master the QuickBooks 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. The course is conducted in a computer lab setting. Advanced setup, maintenance and the entire accounting cycle are completed using the software. At the completion of this course, students are prepared to take the QuickBooks Pro certification. Prerequisite(s): ACCT2035, ACCT3040. Offered at Providence, Providence CE
4.5 Quarter Credit Hours

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, FIT1013) or ((ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT1022 or ACCT10021 or ACCT10221) and FIT1040). (OL) Offered at Charlotte, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021). Offered at Charlotte, Providence, Providence CE
4.5 Quarter Credit Hours

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. Offered at Providence, Providence CE
4.5 Quarter Credit Hours

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): ACCT3040, ACCT3050, senior status. Offered at Providence, Providence CE
4.5 Quarter Credit Hours

ACCT4099 Accounting Internship

This internship provides students with an opportunity to gain accounting experience by performing various entry-level accounting functions at an approved offcampus organization. Students have an opportunity to gain real-world experience in analyzing, journalizing and posting transactions, preparing various reconciliations and schedules, creating reports for internal and external usage, and general office skills and procedures. Upon completion of this term-long course, students have an understanding of the demands and expectations of business and industry. Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor. Offered at Charlotte, Providence, Providence CE
4.5-13.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

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): ACCT3040, completion of required accounting prerequisite and foundation courses, knowledge of spreadsheet software.

Offered at Providence
4.5 Quarter Credit Hours

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.

Prerequisite(s): ACCT3011, completion of required accounting prerequisite and foundation courses.

Offered at Providence
4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

ACCT6410 Income Tax Planning

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 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 emphasized throughout the course.

Prerequisite(s): FISV5000. (OL)

Offered at Online, Providence
4.5 Quarter Credit Hours

Advertising Comm (ADVC) Courses

ADVC1010 Marketing Communications

This course focuses on the role of integrated marketing communications in the overall marketing process. Emphasis is on the integration of advertising, sales promotion, public relations, direct marketing, personal selling and interactive marketing in the creation of effective relationships, communication theory and the creative process in achieving marketing objectives for brands. 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): DME1020 or (MCST1010 or COMM1010) or (MRKT1001 or HOSP3050). (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ADVC1011 Media Strategy

This course focuses on the role of integrated marketing communications in the overall marketing process. Emphasis is on the integration of advertising, sales promotion, public relations, direct marketing, personal selling and interactive marketing in the creation of effective relationships, communication theory and the creative process in achieving marketing objectives for brands. 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): ADVC1010. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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 such as Web, viral and other nontraditional media beyond the digital realm. Copywriting study includes headline writing, body copy, theme lines and tag lines, as well as script writing. Art direction study includes layout, design, typography and the video communication arts. This course aids students in incorporating both copywriting and art direction disciplines into portfolio samples.

Prerequisite(s): ADVC2001 or CGRA3050. (OL)

Offered at Online, Providence
4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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 are responsible for developing several advertising campaigns for various marketing organizations, including a multilevel campaign that is chronicled in a comprehensive plan book.

Prerequisite(s): ADVC2001. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ADVC3010 Digital Media Planning

This course provides students with the skills and knowledge required to be successful in today's digital advertising industry, including paid, owned and earned media. Students focus on the options available to reach online audiences (including the Web, mobile devices and social media), calculate the costs to do so, and assess the results using analytical tools provided by syndicated databases and media organization.

Prerequisite(s): ADVC1010, junior status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

ADVC4015 Integrated Marketing Communications Seminar I

This course is offered to senior advertising and marketing majors. This course provides students, working in teams, the opportunity to develop fully integrated marketing communications plans for marketing organizations (including nonprofits) using appropriate promotional mix elements. Students are given promotional budgets from which they develop a complete integrated marketing communications strategy, beginning with research and including advertising, public relations, sales promotion, direct and digital marketing, and personal selling, all of which are integrated into a cohesive communications plans book and presentation.

Prerequisite(s): ADVC2001, junior status. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

ADVC4020 Portfolio Seminar

This course is designed to give advertising students an experiential portfolio-building program, often in a simulated work environment, under the supervision of faculty and staff with expertise in the advertising industry. Students fill any holes in their portfolio of advertising work, both traditional and new media, putting the finishing touches on a body of creative work that gives them a competitive portfolio for an entry-level position on the creative side of advertising.

Prerequisite(s): ADVC4015. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

ADVC4050 Search Engine Marketing

This course provides students with the knowledge and skills to develop effective search engine optimization strategies. Students explore the various components that go into creating web sites 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. Various webmaster tools (i.e., Google and Bing) are used as well as sitemap best practices.

Prerequisite(s): ADVC3010 or DME1040, junior status.

Offered at Online, Providence

4.5 Quarter Credit Hours

ADVC4099 Advertising Internship

This course provides the opportunity for eligible students to complete an advertising internship at an agency, corporation, non-profit, media organization or governmental entity. This internship is an industry experience that allows students to gain academic credit for an invaluable work experience in the advertising industry. Upon completion of this term-long course, students have an understanding of the demands and expectations of the industry, as well as the role played by the agency, client and media organizations.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA during the entire pre-program process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor. (OL)

Offered at Online, Providence

4.5-13.5 Quarter Credit Hours

ADVC4120 Marketing Communications in an International Context

This course is designed to place students in an international context in which they can gain firsthand knowledge of how organizations use positioning and communications 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 communications plans, including advertising, public relations and media strategies. This course is taught for variable (4.5-13.5) credits only as part of a short-term summer study abroad program.

Prerequisite(s): ADVC1010, MRKT1001, acceptance into Study Abroad program.

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5-13.5 Quarter Credit Hours

Arabic (ARA) Courses

ARA1001 Supervised Independent Arabic I

This self-instructed, independent course combines a required curriculum with weekly conversation sessions. Students must take considerable responsibility for their own learning. The course is an introduction to the Arabic language with emphasis on mastering the Arabic alphabet, on vocabulary acquisition and on learning basic grammatical constructions with oral communication on a rudimentary level the main objective.

Offered at Providence

2.25 Quarter Credit Hours

ARA1002 Supervised Independent Arabic II

This self-instructed course is a continuation of the Supervised Independent Arabic I. Students' vocabulary is expanded to words used when dealing with such topics as time, days of week, weather, shopping, daily and weekly routine, etc. The grammar constructions used include declination of nouns; verbs in present, past and future tenses; and adjectives.

Prerequisite(s): ARA1001.

Offered at Providence

2.25 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

ART3020 Art History

This course provides an introduction to the understanding and appreciation of art. Emphasis will be 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 will be encouraged to respond actively to works of art through class discussions, museum visits, and class projects.

Prerequisite(s): ENG1021 or ENG1027. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

Baking and Pastry Arts (BPA) Courses

BPA1010 Fundamental Skills and Techniques

This course provides students with fundamental cooking and baking techniques, knife skills, piping skills and mixing methods. Emphasis is placed on proper receiving, handling and identification of fruits and other ingredients used in the pastry kitchen.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1015 Classic Pastry

This course is designed to give the student fundamental working knowledge of the traditional methods of producing puff pastry, pâte à choux, creams and custards. This course also includes practical techniques of platter design and presentations. Students plan, organize, and set up pastry buffets.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1020 Pies and Tarts

This course is designed to provide students with the knowledge of traditional methods of producing pies and tarts. Emphasis is on the production of basic pie dough, short dough, pâte sablée, and a variety of pie and tart fillings.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1025 Cookies and Petits Fours

This course provides students with a fundamental working knowledge of the traditional methods of producing cookies and petits fours. Fundamentals of production, finishing techniques and platter presentations are introduced.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1030 Hot and Cold Desserts

This course is designed to provide students with skills in the production of churned and still-frozen desserts, composed frozen desserts and the production of hot desserts enhanced by a frozen component.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1035 Chocolates and Confections

This course provides students with the skills and knowledge of chocolate tempering methods. Hand dipped and molded pralines and truffles (candies) are produced utilizing different chocolates, fillings and decorating techniques. Emphasis is placed on the history and manufacturing techniques of the different qualities in chocolate.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1040 Introduction to Cakes

This course provides students with the skills and knowledge of producing cakes, butter creams and icings. Each student is taught proper mixing methods and assembling, icing and finishing techniques of a variety of cakes.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1045 Principles of Artisan Bread Baking

This course provides an introduction to the skills and techniques of artisan bread production. Products covered include commercially yeasted breads, rolls and savory quick breads. Properties and characteristics of ingredients, the baker's percentage system and scaling methods are studied, as well as proper mixing techniques, controlled fermentation, and baking methodology.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1050 Viennoiserie

This course provides students with the knowledge and application of the principles and techniques of viennoiserie production. Yeasted and enriched breads, laminated doughs and quick breads are introduced in this class. Properties and characteristics of ingredients, the baker's percentage system and scaling methods are introduced. Emphasis is placed on mixing techniques, controlled fermentation, hand shaping skills and baking methodology.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

BPA1060 How Baking Works

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.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
3 Quarter Credit Hours

BPA2010 Specialty Cakes

Students build on their fundamental skills of icing cakes in creating special occasion cakes. Emphasis is placed on developing skills in making various flowers out of modeling chocolate, marzipan and gum paste. Students are introduced to covering and glazing special occasion cakes with rolled fondant and build their piping skills through intricate patterns and techniques.

Prerequisite(s): BPA1040.
Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
3 Quarter Credit Hours

BPA2015 Entremets and Petits Gâteaux

This course provides students with advanced methods of creating entremets and petits gateaux that are contemporary and relevant to industry. Different components and modern finishing techniques are applied in creating molded entremets and petits gateaux.

Prerequisite(s): BPA1010, BPA1030, BPA1035, BPA1040, sophomore status or approval of dean or department chair.
Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
3 Quarter Credit Hours

BPA2020 Plated Desserts

This course covers preparation and presentation of individual hot and cold plated desserts, using a variety of traditional and modern plating techniques. Plate design, station organization, à la minute service, flavor, textural components, and portion control are emphasized.

Prerequisite(s): BPA1015, BPA1030.
Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
3 Quarter Credit Hours

BPA2025 Advanced Artisan Bread Baking

This course introduces students to the advanced skills and techniques of artisan bread production that includes commercially and naturally leavened breads; decorative breads, crackers and flat breads. Properties and characteristics of grains other than wheat and sustainability are covered. The baker's percentage system, scaling ingredients, mixing techniques, controlled fermentation, hand shaping skills, and baking methodology are reviewed.

Prerequisite(s): BPA1045.
Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
3 Quarter Credit Hours

BPA2030 Sugar Artistry

Students are introduced to various sugar artistry techniques, including pastillage, poured, pulled and blown sugar. Emphasis is on the planning and production of individual showpieces using various shaping and molding methods.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
3 Quarter Credit Hours

BPA2626 Baking & Pastry Internship

This intermediate level work-experience course is designed to provide students with a hands-on learning experience in the food service industry. Students apply theoretical knowledge of baking and pastry arts, demonstrate practical skills of production, and practice professionalism in a university-approved industry setting. Upon completion of this term-long course, students have a broader understanding of the demands and expectations of the food service industry while improving their skills in baking and pastry arts.

Prerequisite(s): Completion of all freshman-level courses; site selection is dependent upon GPA. A minimum 2.75 cumulative GPA may be required for certain site selections.
Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
6.75-13.5 Quarter Credit Hours

BPA3010 Advanced Decorative Breads

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, and through photo documentation, create a portfolio that can be used as a professional marketing tool.

Prerequisite(s): Junior status.
Offered at Providence
3 Quarter Credit Hours

BPA3015 Naturally Leavened Breads and Advanced Viennoiserie

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. There is a focus on sweet and savory Viennoiserie and advanced lamination 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): Junior status.
Offered at Providence
3 Quarter Credit Hours

BPA3020 Sensory Analysis in Contemporary Desserts

This course covers the preparation and presentation of contemporary plated desserts using sensory analysis applications to achieve well-rounded flavor and plate profiles. Emphasis is placed on study of the flavor profiles of various regions and countries of the world. The study of dessert wines and food/dessert pairings is explored and implemented.

Prerequisite(s): Junior status.
Offered at Providence
3 Quarter Credit Hours

BPA3025 Neo-Classic Desserts

This course covers the preparation and presentation of contemporary desserts, using the foundation of classic desserts and applying modern techniques and interpretations to produce their neo-classic versions. Emphasis is on the skills and techniques of creating and managing a dessert menu.

Prerequisite(s): Junior status.
Offered at Providence
3 Quarter Credit Hours

BPA3030 Advanced Petits Gâteaux

This course focuses on advanced petits gâteaux production, technique, and finishing skills. Emphasis is on developing flavors, textures and decorative components used in the creation of petits gâteaux. Instruction is given on the use of cakes as individual offerings, as well as plated dessert presentations.

Prerequisite(s): Junior status.
Offered at Providence
3 Quarter Credit Hours

BPA3060 Artisan Café

This course allows students to explore various facets of today's sustainable café. Station organization, culinary skills and techniques, and sustainable café management are emphasized. Topics such as farm-to-table cuisine, entrepreneurial sustainability and current industry trends are explored. Students create a variety of baked goods and short-order breakfast and lunch items in their daily production, as well as beverages such as smoothies, cold-pressed juices, coffee and teas. This course culminates in a project that showcases a café concept, menu and operations.

Prerequisite(s): Associate degree in Baking Pastry Arts.
Offered at Providence
3 Quarter Credit Hours

BPA3070 Ancient Grains & Hearth Breads

This ancient- and whole-grain-based class takes students on a baking journey from seed to loaf. Students have the opportunity to culture their own naturally leavened sourdough starter and use it in a bread of their creation. The history of milling, today's farmer/miller/baker relationships and milling in the bakery are explored. Products include naturally leavened breads, leavened and unleavened whole grain snacks, and traditional baked goods reinterpreted with a whole-grain emphasis.

Prerequisite(s): Associate degree in Baking Pastry Arts.
Offered at Providence
3 Quarter Credit Hours

BPA3340 Wedding Cake Design

This course focuses on the preparation and presentation of wedding cakes using modern production and decorating techniques. Emphasis is on developing skills in the area of piping and construction using rolled fondant, gum paste, royal icing and various buttercreams.

Prerequisite(s): Associate degree in Baking Pastry Arts.

Offered at North Miami, Providence

3 Quarter Credit Hours

BPA3350 Artisan Breads

This course covers breakfast pastries and doughs with long fermentation using sour dough starters. Students are asked to create some small decorative amenities using different decorative doughs to enhance buffet and window displays. Emphasis is placed on proper dough fermentation techniques and proper product management.

Prerequisite(s): Associate degree in Baking Pastry Arts.

Offered at North Miami, Providence

3 Quarter Credit Hours

BPA3360 Chocolate Artistry

In this class students build on the foundation laid in their sophomore chocolate and sugar artistry course. Emphasis is on the preparation of chocolates and confections using new and more efficient techniques as well as advanced decorating techniques. In addition, students plan, design and prepare a chocolate showpiece and smaller amenities.

Prerequisite(s): Associate degree in Baking Pastry Arts.

Offered at North Miami, Providence

3 Quarter Credit Hours

BPA4010 Baking and Pastry Buffet Presentation

This course is designed to allow students to work collaboratively to plan and create high-quality baking and pastry buffets. Emphasis is on the principles of development, management and presentation of baking and pastry buffets.

Prerequisite(s): Senior status.

Offered at Providence

3 Quarter Credit Hours

BPA4015 Tiered and Themed Decorated Cakes

This course covers the advanced preparation and decoration of themed and tiered celebration cakes. The use of different icings and decorating mediums, such as rolled fondant, gum paste, and pastillage will be explored and implemented. Students will design, construct and decorate advanced celebration and competition cakes. Skills focus on designing structural supports, stacking, covering, cutting, and piping. Students will learn the importance of managing their time, while producing cakes individually and in teams.

Prerequisite(s): Senior status.

Offered at Providence

3 Quarter Credit Hours

BPA4020 Advanced Wedding Cake Design

This course provides students with advanced knowledge and skills of designing contemporary wedding cakes using modern production and finishing techniques. Emphasis is on developing skills in the area of piping, construction, gum paste, and rolled fondant.

Prerequisite(s): Senior status.

Offered at Providence

3 Quarter Credit Hours

BPA4025 Advanced Chocolates and Confections

This course covers the advanced production methods and finishing techniques of praline production. Emphasis is on the manufacturing of chocolate candies and confections using commercial techniques of production and finishing. The planning, designing, preparing, and arranging of showpieces and small amenities made from chocolate are also introduced.

Prerequisite(s): Senior status.

Offered at Providence

3 Quarter Credit Hours

BPA4030 Advanced Sugar Artistry

This course covers the advanced production methods and finishing techniques of sugar showpieces. Emphasis is on the planning, designing, preparing, and arranging of a showpiece made from poured sugar, pulled sugar, blown sugar, and pastillage.

Prerequisite(s): Senior status.

Offered at Providence

3 Quarter Credit Hours

BPA4199 Advanced Baking and Pastry Internship

In this course, experiential learning takes place in diverse industry work settings in the U.S. and abroad. Students apply their theoretical and practical knowledge under the supervision of a qualified industry professional.

Prerequisite(s): BPA3010, BPA3015, BPA3020, BPA3025, BPA3030, all junior-level academics, cumulative 3.25 GPA required for international internship, Associate degree in Baking Pastry Arts.

Offered at Providence

13.5 Quarter Credit Hours

Biology (BIO) Courses

BIO1011 General Biology I

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 I Laboratory.

Prerequisite(s): Corequisite: BIO1015.

Offered at Providence

4.5 Quarter Credit Hours

BIO1015 General Biology I Laboratory

This is a laboratory companion course coordinated with BIO1011, which 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 Providence

2.25 Quarter Credit Hours

BIO1022 General Biology II

This course is a continuation of General Biology I. It 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 II Laboratory.

Prerequisite(s): BIO1011, BIO1015, Corequisite: BIO1025.

Offered at Providence

4.5 Quarter Credit Hours

BIO1025 General Biology II Laboratory

This is a laboratory companion course coordinated with BIO1022, which 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): BIO1011, BIO1015, Corequisite: BIO1022.

Offered at Providence

2.25 Quarter Credit Hours

BIO2001 Genetics

This course will provide students with the knowledge and analytical skills necessary to understand the principles of modern genetics. The nature of genes, genomes, and chromosomes, the mechanisms of recombination and mutation, the patterns of Mendelian inheritance patterns, and the genetic mechanisms underlying evolution will be studied. Genetic studies performed on model organisms (such as bacteria, yeast, & mold) will be discussed in order to illustrate and reinforce genetic principles relating to human genetics and diseases.

Prerequisite(s): BIO1022, BIO1025.

Offered at Providence

4.5 Quarter Credit Hours

BIO2021 Functional Human Anatomy

This course studies the functional anatomy of the human organism organized by body systems. The lecture portion will explore structural and functional relationships in the human body. The microscopic and macroscopic structure of human tissues, organs, and organ systems will be 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 BIO1025 or SCI1015, Corequisite: BIO2025.

Offered at Providence

4.5 Quarter Credit Hours

BIO2025 Functional Human Anatomy Laboratory

Through the use of anatomical models, dissection of mammalian specimens, and examination of prosected human cadavers, students will explore the anatomical structure of the human body. The course will combine a regional/functional perspective 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 BIO1025 or SCI1015, Corequisite: BIO2021.

Offered at Providence

2.25 Quarter Credit Hours

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 Human Physiology Laboratory (BIO2045) is required. Human Physiology (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1015 or SCI1015, CHM1022 and CHM1025 or CHM1000 and CHM1005, Corequisite: BIO2045.

Offered at Providence

4.5 Quarter Credit Hours

BIO2045 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 BIO1015 or SCI1015, CHM1022 and CHM1025 or CHM1000 and CHM1005, Corequisite: BIO2041.

Offered at Providence

2.25 Quarter Credit Hours

BIO2100 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 will also be examined.

Prerequisite(s): BIO1022, BIO1025.

Offered at Providence

4.5 Quarter Credit Hours

BIO3010 Principles of Biochemistry

Biochemistry applies the knowledge gained in general and organic chemistry to biological systems. Students will gain an understanding of metabolic pathways, energy production, and metabolic regulatory mechanism in eukaryotes and prokaryotes. Students will 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 will research fundamental biochemical techniques such as protein purification and enzyme kinetics.

Prerequisite(s): CHM2022, CHM2025.

Offered at Providence

4.5 Quarter Credit Hours

BIO3040 Molecular Biology

Molecular biology uses the knowledge gained in genetics and biochemistry to study biology at the molecular level. Students will study current topics related to DNA replication, mutation, recombination and gene expression in prokaryotes, eukaryotes, and their viruses. Students will 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 will debate the ethics behind cloning and the genetic modification of organisms.

Prerequisite(s): BIO2001, BIO3010.

Offered at Providence

4.5 Quarter Credit Hours

BIO3070 Evolution

This course provides a background into the mechanisms of evolution including: 1) natural and other forms of selection and 2) 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): BIO1022, BIO1025.

Offered at Providence

4.5 Quarter Credit Hours

BIO4011 Microbiology

Microbiology applies knowledge gained from genetics, biochemistry, and molecular biology to microorganisms with an emphasis on those of importance to the health sciences. Students will gain a general understanding of prokaryotic and eukaryotic microscopic life forms, viruses, and prions. Students will also learn how these microbes cause disease in humans and the immune response system. Students will discuss and critically analyze data from journal articles covering hot topics such as bioterrorism, emerging diseases, and genetic engineering. This course, with its laboratory companion, will provide a conceptual and experimental background in microbiology sufficient to enable students to take more advanced courses in this field and related fields.

Prerequisite(s): BIO3040, Co-requisite: BIO4015.

Offered at Providence

4.5 Quarter Credit Hours

BIO4015 Microbiology Laboratory

Microbiology Laboratory is a laboratory companion course coordinated with Microbiology lecture (BIO4011). Using live cultures, students examine the properties of various microbes and factors which contribute to their spread and control. Unknown bacteria are identified using both traditional and genetic microbiological techniques. Students will isolate and identify microorganisms that make up their normal flora. Students will also be able to identify other opportunistic microorganisms that are responsible for illness in healthy individuals. Biosafety procedures will be emphasized.

Prerequisite(s): BIO3040, Co-requisite: BIO4011.

Offered at Providence

2.25 Quarter Credit Hours

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 human organ systems. Functional relationships are emphasized by contrasting normal and pathological specimens.

Prerequisite(s): BIO2021, BIO2025.

Offered at Providence

4.5 Quarter Credit Hours

BIO4070 Fundamentals of Immunology

Fundamentals of Immunology is a survey course that will introduce students to basic concepts of immunology and will foster an understanding of the immunological processes that underlie human disease pathogenesis.

Prerequisite(s): BIO1022, BIO1025, BIO3010.

Offered at Providence

4.5 Quarter Credit Hours

BIO4099 Internship in Biology

This internship allows students to gain experience in a variety of fields, such as academia, industry or health profession settings, including nonprofit and government agencies. Internships provide opportunities for students to gain real world experience by applying their skills and knowledge to meet the needs of their respective employers.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 90 hours of course work.

Offered at Providence

4.5-13.5 Quarter Credit Hours

BIO4100 Senior Seminar in Biology

This is a capstone biology course that allows students to integrate all previous course work 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): BIO1022, BIO1025, CHM1022, CHM1025, MATH2001, senior status.

Offered at Providence

4.5 Quarter Credit Hours

Career Management (CAR) Courses

CAR0010 Career Capstone

This career management course focuses on preparing and empowering students to make effective career choices, identify and pursue internships, secure employment, and navigate lifelong career direction. Students learn ways to enhance and customize their job search materials and to market themselves effectively to employers. Various job search strategies, networking and interview techniques are reinforced. Other topics include personal financial management and graduate school.

Prerequisite(s): Junior status. (OL)

Offered at Charlotte, Denver, North Miami, Providence

1 Quarter Credit Hour

Chemistry (CHM) Courses

CHM1000 Foundations in Chemistry

This comprehensive course is 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: CHM1005.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

CHM1005 Foundations in Chemistry Laboratory

This is an inquiry based laboratory supplement course coordinated with CHM1000 Foundations in Chemistry. Students work in small teams to solve chemistry lab problems by performing observations and generating data to develop new concepts. Students design their own experiments and make decisions within their teams in a collaborative manner. They have the opportunity to practice the scientific skills used by chemists who perform research. Topics covered include the mole concept, chemical reactions, energy interrelationships between reactants, atomic and molecular structure, and chemical bonding.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1000.

Offered at Providence, Providence CE

2.25 Quarter Credit Hours

CHM1011 General Chemistry I

The course 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: CHM1015.

Offered at Providence

4.5 Quarter Credit Hours

CHM1015 General Chemistry I Laboratory

This is a laboratory companion course coordinated with CHM1011 that introduces students to techniques and equipment used in experimental chemistry. Students take an inquiry-based, self-guided learning approach to the discovery of the structure of the atoms, scientific measurements, proper calculations of chemical reactions, thermochemistry, spectroscopy, and the states of matter. 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): Co-requisite: CHM1011.

Offered at Providence

2.25 Quarter Credit Hours

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, CHM1015, Corequisite: CHM1025.

Offered at Providence

4.5 Quarter Credit Hours

CHM1025 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, CHM1015, Co-requisite: CHM1022.

Offered at Providence

2.25 Quarter Credit Hours

CHM2011 Organic Chemistry I

This first course in the sequence of organic chemistry investigates carbon and its role in the formation of biomolecules. Emphasis will be given to classification of carbon based reactions, naming of various carbon based compounds (alkanes, alkenes, and alkynes), substitution reactions, and stereochemistry.

Prerequisite(s): CHM1022, CHM1025, Corequisite: CHM2015.

Offered at Providence

4.5 Quarter Credit Hours

CHM2015 Organic Chemistry I Laboratory

This is a laboratory companion course coordinated with CHM2011 that introduces students to techniques and equipment used in experimental organic chemistry. Students take an inquiry-based, self-guided learning approach to the discovery of synthesis of organic compounds, compound characterization using analytical techniques, and 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, CHM1025, Corequisite: CHM2011.

Offered at Providence

2.25 Quarter Credit Hours

CHM2022 Organic Chemistry II

This is the second course in the general chemistry sequence. Emphasis will be given to: synthesis of alcohols, phenols, ethers and their sulfide derivatives, aldehydes, ketones, carboxylic acids and their derivatives, amines, amides, construction of carbohydrates, amino acids, and lipids, and analytical procedure by which to characterize carbon based compounds.

Prerequisite(s): CHM2011, CHM2015, Corequisite: CHM2025.

Offered at Providence

4.5 Quarter Credit Hours

CHM2025 Organic Chemistry II Laboratory

This is a laboratory companion course coordinated with CHM2022 that introduces students to techniques and equipment used in experimental organic chemistry. Students take an inquiry-based, self-guided learning approach to the discovery of reactions that produce alcohols, aldehydes, carboxylic acids, ethers, esters, amines, amides, phenols and aromatic compounds. Emphasis is on proper synthesis and analytical evaluation of chemical reaction products. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM2011, CHM2015, Corequisite: CHM2022.

Offered at Providence

2.25 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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, CHM1005.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

CHM2055 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, CHM1005, Co-requisite: CHM2050.

Offered at Providence

2.25 Quarter Credit Hours

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 or SCI2045, SCI1015.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

CHM3045 Biochemistry Laboratory

This is a laboratory companion course coordinated with CHM 3040. 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 SC2045, SCI1015, Corequisite: CHM3040.

Offered at Providence

2.25 Quarter Credit Hours

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 hands-on 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 Providence, Providence CE

4.5 Quarter Credit Hours

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.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

CSIS1040 Fundamentals of Visual Basic

This course provides an introduction to visual programming and GUI development. Students learn to use a multitude of visual tools, statements, properties and events to create and execute applications in a Visual Studio.NET environment. File access for various file types is presented. Relational databases are examined in relation to how they are created and can be accessed using visual basic programming.

Prerequisite(s): FIT1012 or equivalent.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

CSIS1050 Data Structures

This course provides students with an understanding of the various structures used for internal storage and the processing of data. The course presents the concepts of data storage in memory for various processing techniques. Linear and non-linear organization of data and various access methods are presented in both static and dynamic memory allocation. The rationale for each approach is presented and discussed. Storage structures and access methods presented include stacks, queues, linked lists and trees. Students are responsible for the design and implementation of the various items discussed in lecture through both individual and team related projects.

Prerequisite(s): CSIS1020 or CSIS1040.

Offered at Providence

4.5 Quarter Credit Hours

CSIS1060 GUI Concepts

This course provides students with an understanding of a Graphical User Interface environment. Students are introduced to how Windows works with the file hardware. All students customize and configure the Windows environment. Topics include ini file, program, winfile, control panel, device managers, terminal, paintbrush, creating shortcuts, and X windows.

Prerequisite(s): FIT1000 or FIT1012.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

CSIS1070 Diagnostics and Maintenance

This course provides students with the knowledge and expertise to isolate faults in computer systems, using the desktop computer as a model. Using the systems approach, students learn the subsections of a computer system and their functions. Typical problems with each subsection and the impact of these problems on the operation of the entire system are discussed. The course introduces students to diagnostic software and fault analysis techniques through out-of-class work using standard tools and representative computer diagnostic software.

Prerequisite(s): FIT1000 or FIT1012.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

CSIS1112 Computer Science II

This course further enhances the student's 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. This course also serves as an introduction to object oriented programming.

Prerequisite(s): CSIS1101.

Offered at Providence

4.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

CSIS2020 Business Programming I with COBOL

This course provides students with an understanding of the use of programming in the business community. Students learn how to program statements, translate into standard operations for generating reports and use files in a business environment. Students also examine how various types of storage and programming structures are implemented in the programming language. In addition, students perform problem solving in the area of simple business functions, and design, chart, code, debug, test, execute and document programs. Topics include accessing files, decision structure, looping structures, report design, program structure, data types, data manipulation, tables and control break processing.

Prerequisite(s): CSIS1000 or CSIS1020 or CSIS1040.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 so as to facilitate learning new languages. Language paradigms (e.g., logic, functional, procedural, object-oriented) are compared and implementation strategies are discussed.

Prerequisite(s): CSIS2018, ENGN2014.

Offered at Providence

4.5 Quarter Credit Hours

CSIS2025 Introduction to Server Side Technologies

This course emphasizes the fundamentals of server-side web development using industry-standard high-level environments. Students are introduced to concepts and practices including functionality, typical applications in a business setting, technologies and terminology. Client-side interaction is covered to the extent of making Web forms that connect to a data source with some JavaScript used for field validation. Server application and system architecture is emphasized.

Prerequisite(s): CSIS1020 or CSIS1040 or DME1060, junior status.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 FIT1014 or FIT1040.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

CSIS2055 Introduction to Game Development

This course introduces the student to the fundamental principles of animated game design. Aesthetic and cultural aspects of design include art and modeling, sound and music, history of games, genre analysis, role of violence, gender issues in games, game balance, and careers in the industry. Programmers, artists, musicians, and writers collaborate to produce an original computer game. Focus is placed on developing games and mastering animation techniques used in games for the Web. In-class lectures consist of classical animation concepts and practical software demonstrations related to game development. Students are required to work in groups to produce various types of animated projects. Students also learn methods to optimize and render animations for web delivery.

Prerequisite(s): CSIS1040.

Offered at Providence

4.5 Quarter Credit Hours

CSIS2060 Object-Oriented Programming in C++

Object-oriented programming examines programs as a set of objects and explores how the objects are interrelated. Using the C++ programming language, students study the concepts of data encapsulation, attributes, methods and messages within the class structure. They also study the ability of C++ to create in-line functions, operator and function overloading, inheritance and virtual classes. Students design, code, debug and execute various assignments using the C++ programming language in the Visual Studio.NET integrated development environment.

Prerequisite(s): CSIS1020.

Offered at Providence

4.5 Quarter Credit Hours

CSIS2065 Java Programming

This course provides students with the knowledge and skill necessary for object-oriented programming of advanced Java applications. Students learn Java programming language syntax and object-oriented concepts, as well as more sophisticated features of the Java runtime environment, such as support for graphical user interfaces (GUIs), multithreading and networking. This course covers prerequisite knowledge to prepare students for the Sun Certified Programmer for the Java Platform and the Sun Certified Developer for the Java Platform examinations.

Prerequisite(s): CSIS1020 or CSIS1040.

Offered at Providence

4.5 Quarter Credit Hours

CSIS2070 Business Programming II with COBOL

Students write business-level programs to solve intermediate-level financial and business problems. They are introduced to such subjects as subscribing, indexing, sorting, complex file handling and creating server-side applications. Students are also introduced to the selection criteria for choosing between different software with Web pages and relational databases. Students implement and test their developed programs.

Prerequisite(s): CSIS2020.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 will prepare the student for application development for mobile computing devices.

Prerequisite(s): Sophomore status.

Offered at Providence

4.5 Quarter Credit Hours

CSIS2080 Database Design

The use of fourth and fifth generation tools in database environments is becoming more prevalent. This course provides a foundation for that systems development effort 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 Providence, Providence CE

4.5 Quarter Credit Hours

CSIS3030 Server Side Programming I

This course introduces contemporary scripting language to teach fundamental concepts and techniques for programming in a browser-based environment. This course explores data representation, manipulation and how interactive data feeds information on a web page. Current scripting languages is used.

Prerequisite(s): CSIS1101 or CSIS2025.

Offered at Providence

4.5 Quarter Credit Hours

CSIS3040 Server Side Programming II

This advanced programming course focuses on data interaction and transaction processing in a client server environment. Students utilize current client and server side compiled programming languages to architect and implement web applications. This course emphasizes current industry best practices using compiled code in current programming environments.

Prerequisite(s): CSIS3030.

Offered at Providence

4.5 Quarter Credit Hours

CSIS3050 2D Game Development with C#

This course is an introduction to the concepts related to game development. Students are introduced to the basics of game development of a two dimensional game using sprites and animation. The programming language used is C#. Students are introduced to the methods used for creating sprites, animation, detecting collisions, player control, and incorporating music and sound into the game. Students also design backgrounds and provide animation for the backgrounds to simulate movement of the sprites.

Prerequisite(s): CSIS1040 OR CSIS2060 or CSIS2055, CSIS2065.

Offered at Providence

4.5 Quarter Credit Hours

CSIS3060 Game Engine Design

This course provides the student with an understanding of the fundamentals required for creating a game engine. This is accomplished through the investigation of existing game engine subsystems to understand how they work along with projects to design and build individual subsystems for a student-created game engine. Students are required to demonstrate their subsystems through the use of game projects that incorporate their subsystems into a functioning game.

Prerequisite(s): CSIS3050, MATH1020.

Offered at Providence

4.5 Quarter Credit Hours

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): CSIS1020 or CSIS1040 or CSIS1101 or CSIS2065.

Offered at Providence

4.5 Quarter Credit Hours

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 or CSIS2060 or CSIS2065 (HY)

Offered at Providence

4.5 Quarter Credit Hours

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): CSIS1112, CSIS2045, ITEC2050, ITEC3050.

Offered at Providence

4.5 Quarter Credit Hours

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 term (11 weeks). Students must utilize all of the skills learned thus far in the program to complete the task required.

Prerequisite(s): CSIS2018, ENGN2014.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

Computerized Drafting (CAD) Courses

CAD1000 Computer-Aided Drafting I

This course presents to the student the terminology, system hardware, disk operating system, AutoCAD software, and various screen displays necessary to perform the basic computer aided drafting functions.

Prerequisite(s): Corequisite: CAD1L00.

Offered at Providence, Providence CE

6 Quarter Credit Hours

CAD1020 Computer-Aided Drafting II

This is an intermediate level course in which the student produces drawings in the various phases architectural, electronic, and mechanical CAD. These drawings are produced in two-dimensional views using features of the AutoCAD main menu. Students become familiar with accessing and using the drawing editor with advanced commands and an emphasis on productivity; an introduction to line and menu customization; 3D wireframe/surface/solid modeling and analysis. Related lab projects are included.

Prerequisite(s): CAD1000, CAD1L00, Corequisite: CAD1L20.

Offered at Providence, Providence CE

6 Quarter Credit Hours

CAD1025 Parametric Modeling

This is an introductory course in which students use commands and techniques related to 3D modeling and analysis, and parametric drafting using parametric modeling software to create parts, assemblies and drawings to industry standards. Related lab projects are included where rapid prototyping methods such as laser cutting and 3D printing will be explored.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

6 Quarter Credit Hours

CAD1L00 Computer-Aided Drafting I Lab

Related lab projects are developed from CAD1000 Computer-Aided Drafting I to enhance a student's ability to reinforce drafting concepts, software commands, and file management.

Prerequisite(s): Corequisite: CAD1000.

Offered at Providence, Providence CE

1 Quarter Credit Hour

CAD1L20 Computer-Aided Drafting II Lab

Related lab projects are developed from CAD1020 (Computer-Aided Drafting II) to enhance a student's ability to reinforce drafting concepts, software commands and file management.

Prerequisite(s): Corequisite: CAD1020.

Offered at Providence, Providence CE

1 Quarter Credit Hour

CAD1L30 3D Parametric Modeling Lab

Related lab projects are developed from CAD1030 Computer-Aided Drafting III to enhance a student's ability to reinforce drafting concepts, software commands and file management.

Prerequisite(s): Corequisite: CAD1030.

Offered at Providence, Providence CE

1 Quarter Credit Hour

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

1.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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.

Offered at Providence

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

CAD3015 Engineering Graphics & Design

This course is an introduction to computer-aided design drafting for 3D parametric applications, using related equipment and software. The core of this course is basic engineering documentation control and standardization as used in industry to develop a generic method of system and product development and revision procedures. After gaining basic skills with industry standard software, students will engage in a design project that explores typical physical layout and 3D design issues commonly faced by electronics engineers. Rapid prototyping methods (including laser cutting and 3d printing) will be explored.

Offered at Providence

4.5 Quarter Credit Hours

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, ENGN3020 or ENGN3130.

Offered at Providence

4.5 Quarter Credit Hours

Counseling (CSLG) Courses

CSLG1001 Introduction to Helping Professions

This course is designed to develop familiarity with the specialty of the helping profession including its professional practices and issues, its basic concepts, its relationship to other specialties and fields within psychology, and its scientific and research bases. In addition, the American Counseling Association's Code of Ethics is introduced.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 will be 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): CSLG1001, PSYC1001, PSYC2040.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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, posttraumatic stress disorder and professional burnout are part of the curriculum as well as theoretical and ethical implications in crises.

Prerequisite(s): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 both experiential training in group facilitation, with opportunities to practice effective strategies by exploring task facilitation, psycho-educational counseling, and psychotherapy groups.

Prerequisite(s): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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): CSLG1001, PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

CSLG4099 Internship in Counseling Psychology

Internship in Counseling Psychology 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 will meet with students in a weekly seminar in which counseling methods and techniques are critically analyzed and further developed. Students must complete 150 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 130 hours of course work, 3) have the permission of the program director and faculty adviser and 4) have successfully completed the courses, CSLG3001, Introduction to Case Management, and PSYC2002, Abnormal Psychology.

Offered at Denver, Providence, Providence CE

9 Quarter Credit Hours

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

4.5 Quarter Credit Hours

CSLG5170 Multicultural Counseling: Theories and Techniques

This course is designed to sensitize students to the roles of societal power disparities, therapist's racial identity and awareness, ethical/legal considerations and the role 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

4.5 Quarter Credit Hours

CSLG5250 Professional Orientation and Ethical Practice

This introductory graduate counseling course is designed to provide students with an orientation to the field of counseling. It will familiarize students 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

4.5 Quarter Credit Hours

CSLG5300 Advanced Individual Counseling Theory and Techniques

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 will consistently examine the means through which the traditional theoretical perspectives attempt to produce change.

Offered at Providence

4.5 Quarter Credit Hours

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 and will focus on defining, experiencing, and working with the body-mind connection.. The course will review modalities and techniques, validated by neuroscience, that have an integrative effect on the body-mind connection. Further, the course will 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 psychosocial adjustment of clients.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

CSLG5500 Advanced Group Counseling Theories and Techniques

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 will be developed through a combination of discussions, demonstrations, videos, experiential opportunities, and practice. Co-leadership is utilized in the classroom in conducting group therapy. The student will 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 will be discussed.

Prerequisite(s): CSLG5300.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

CSLG6100 Advanced Co-Occurring Disorders & 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. It includes an integrated approach to address the issues accompanying the illness. Emphasis will also be placed 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

4.5 Quarter Credit Hours

CSLG6150 Advanced Individual Mental Health Counseling

This course (1) expands and refines the basic listening and attending skills learned in Advanced Individual Counseling Theories and Techniques (2) focuses on therapist variables, self-knowledge and the counseling relationship as the essential elements for effective mental health counseling and (3) further develops students' knowledge of mental health diagnoses and treatments learned in 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

4.5 Quarter Credit Hours

CSLG6200 Counseling the Chemically Dependent and Their Families

This advanced course in counseling the chemically dependent and their families 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, skills for addressing and treating addictive family systems and gauge the efficacy of current family counselling 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

4.5 Quarter Credit Hours

CSLG6250 Mental Health Counseling Case Management and Professional Development

This course is designed to teach community mental health counselors the skills required for ethical and effective client case management. Students will focus on reviewing and creating ethical and legal case management documents, such as intake forms, treatment plans, screening and assessment tools, progress notes, referral and consultation documents, and other forms. Emphasis is placed on the similarities and differences among case management forms in reference to the type of agency offering services, and whether or not third party reimbursement is expected. Developing client advocacy and interagency collaboration skills is highlighted.

Prerequisite(s): CSLG5250, CSLG5400.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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 development of intrapersonal intelligence: time-management skills, self-care skills, and personal leadership style exploration. Students will develop and articulate a personal leadership style through readings, reflections, and exercises in communication and leadership effectiveness.

Prerequisite(s): CSLG5250, CSLG5300.

Offered at Providence

4.5 Quarter Credit Hours

CSLG6800 Special Topics in Counseling

Special Topics in Counseling are a series of courses encompasses a wide and complex range of topics. Each course presents students and faculty alike with a unique opportunity to examine revolving areas of current and relevant counseling theories and techniques. Areas of specialized counseling topics include but are not limited to: Counseling Veterans, Grief and Loss Counseling and Trauma Counseling.

Prerequisite(s): CSLG5300, CSLG5400.

Offered at Providence

4.5 Quarter Credit Hours

CSLG6899 Counseling Internship

Internship defined: 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 his or her program and initial postgraduate professional placement (CACREP Standards, 2009) Students may do one internship at one site to complete the required 600 experiential field hours or they can spread the internship over multiple sites/terms as long as they meet the total 600 hours required by CACREP. This course provides the student with the practical application of the theories, skills, and knowledge gathered over the period of training in the counseling psychology program. The student spends a time period in a clinical setting as a counselor under the supervision of mental health professionals. There is a requirement that the student complete a minimum of 300 clock hours within the placement setting. 240 hours must be in DIRECT SERVICE. Direct Service includes the following activities: a. Conducting or directly participating in individual counseling b. Conducting or participating directly in group counseling c. Conducting interviews or participating in interviews d. Administering measures/tests directly to patients.

Prerequisite(s): To be eligible for this internship, students must: 1) have completed 30 hours of graduate level course work, 2) have successfully completed CSLG5899, Counseling Practicum, and 3) have permission of department chair and faculty.

Offered at Providence

4.5-9 Quarter Credit Hours

CSLG6900 Comprehensive Review

The purpose of the counselor examinations are to assess knowledge, skills, and abilities viewed as important for providing effective counseling services. The comprehensive examinations are designed to be general in nature. They are intended to assess cognitive knowledge which should be known by all counselors regardless of their individual professional specialties. This course review is designed to prepare students for the required certification and licensing exams. The review will address all requisite areas for the NCC and NCMHCE examinations. Study guides and sample examinations will be presented in preparation.

Prerequisite(s): CSLG6899, minimum of 81 graduate credits.

Offered at Providence

0 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CJS2040 Corrections

This course is an introduction to corrections. It presents a 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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CJS3099 Criminal Justice Internship

Selected Criminal Justice students serve a one-term internship in an approved criminal justice facility such as police department, correctional facility, juvenile correction facility, probation and parole department or private security facility. The internship is designed to give students the opportunity to apply their formal education to actual work situations. The student intern works under the supervision of a criminal justice professional. The student intern shall maintain a written log throughout the term of the internship.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA during the entire pre-program application process, 2) have completed 90 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Denver, North Miami, Providence, Providence CE

4.5-13.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CJS3810 Topics in National Security

This course provides senior-level students with an analysis of the realignment of law enforcement assets at the federal and local levels providing homeland security in today's environment. The course also includes historical background information and topics concerning the basic information-gathering process. The focus on the importance and necessity of information intelligence, domestic and international terrorism and counter-terrorism, infrastructure protection and disaster preparedness, is comprehensive in this course. Students are introduced to the planning, process and procedures necessary for the new routes of cooperation and information sharing in law enforcement as well as within federal agency environments.

Prerequisite(s): LAW3025, senior status.

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CJS4030 Criminal Justice Research Methods

This course provides students with an understanding of the purposes behind criminal justice research, the concepts and logic of research designs, and experimental research designs. This course includes an in-depth presentation of sampling in social science research. The goal is to familiarize students with research methods in order to lay the groundwork for designing research projects, as well as to interpret research designs in depth.

Prerequisite(s): Senior status. (HY)

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 its 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, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

CJS4065 Advanced Topics in Criminalistics with Lab

This is an advanced course in criminalistics designed to provide the student 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, questioned documents, cyber technology, and forensic applications of the social science and legal/ethical issues in forensic science.

Prerequisite(s): CJS4040 or CJS4045.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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.

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CJS5760 Technology and GIS in the Criminal Justice System

This course is designed to give students a glimpse into how technology is being used in the criminal justice system and the social issues stemming from that use. Broken into two parts, students first examine basic controversies surrounding technology as it relates to citizen rights and its use in policing, courts and corrections. The second section dives into the widespread practice and theory of using geographic information systems/science (GIS) in crime mapping. Students are expected to read up-to-date academic literature on current discussions surrounding each section and defend positions on the favorability of its use or application.

Prerequisite(s): CJS5500. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

Culinary Arts (CUL) Courses

CUL1015 Introduction to Culinary Foundations

Students learn techniques practiced in the professional kitchen: the craft, tools, food safety and sanitation, basic knife skills and mise en place. Students are introduced to moist cooking techniques of boiling, simmering, poaching, steaming, blanching/shocking and sweating while the basic preparations of stocks, soups and classic sauces are introduced. Culinary science, sensory analysis and sustainability are explored.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1035 Culinary Fundamentals

Students investigate and practice the cooking techniques of grilling, sautéing, baking, braising, stewing, broiling, roasting and frying while producing and tasting complimenting contemporary sauces. Vegetable and starch cuts and cookery are demonstrated and practiced. Students practice reading and writing standardized recipes, as well as recipe scaling and costing.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1055 Cooking in Today's Restaurant: Breakfast & Lunch

Students practice the cooking techniques introduced in Foundations and Fundamentals using breakfast, brunch and lunch cookery. Product preparations include eggs, sandwiches, quick breads, soups, and vegetable cookery. Standard plate presentation, recipe costing and discussion of nutritional needs are explored.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1075 Cooking in Today's Restaurant: Dinner

Students continue to develop the ability to competently execute the production skills required for a successful culinary career. Emphasis is on braising, stewing and roasting and the preparation of accompanying sauces.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1095 Cooking in the Global Marketplace

Basic nutrition and healthy eating concepts are investigated as students explore traditional ethnic ingredients from cuisines around the world to produce meat-minimalistic menus and recipes highlighting vegetables, legumes and grains. Sourcing food locally, seasonal menus, and sustainability in the foodservice industry are discussed.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1115 The Science of Cooking and Sensory Analysis

This course introduces students to the basic functions of ingredients 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 will explore 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, and real-world restaurant applications.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1135 Purchasing, Product Identification & Protein Fabrication

Students study the flow of goods and food safety concepts within the purchasing, receiving, storing and distribution functions. Comprehensive purchasing is discussed. Through demonstrations and experience-based production, students engage in identifying, handling and fabricating proteins, dry-goods and staples. Students review and discuss quality standards, yields, costing, packaging and labeling.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1325 Essentials of Dining Service

Learn and practice the skills of front-of-the house (FOH) operations and professional dining and beverage service techniques reflecting contemporary practices. Etiquette, quality service and guest relations, effective communication skills, critical thinking, check handling and point of sale systems are emphasized.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1345 Foundations of Baking & Pastry

Production includes basic breads and rolls, laminated dough, muffins, quick breads, cookies and pies. Proper use of the baker's scale, liquid measurement and equipment identification are a primary focus for this course.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL1365 Exploring Beverages

Students will be introduced to the production methods and service of non-alcoholic beverages, beer, wine, and spirits. Students will be able to identify beverages using sensory evaluation techniques, and will be exposed to beverage costing, and profitability. Students will also take the ServSafe® Alcohol certification course and exam.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL2215 The Craft of Garde Manger

Learn and develop the craft of garde manger utilizing both traditional and contemporary techniques in cooking, preservation, forcemeat production and charcuterie, while applying the concept of "total utilization". Using marketable displays, the preparation and presentation of hot and cold hors d'oeuvres, fresh cheeses and cold sauces is practiced.

Prerequisite(s): Completion of all freshman labs (or concurrent with dean approval).

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL2235 Contemporary Service and Restaurant Supervision

Students will expand their understanding of guest satisfaction through various applications of restaurant service. They are also introduced to basic supervisory concepts including: front of the house expenses, operational procedures and financial responsibilities. Students will evaluate food and beverage profitability. Students will further their understanding and application of food and beverage pairing.

Prerequisite(s): Completion of all freshman labs (or concurrent with dean approval).

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL2245 International Cuisine and Culinary Cultures

Explore the most influential cultures and flavor profiles from around the globe. Learn to identify the distinctly different and common ingredients that identify each major cuisine, while practicing traditional and modern techniques to produce contemporary restaurant quality menu items.

Prerequisite(s): Completion of all freshman labs (or concurrent with dean approval).

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL2255 Advanced Pastry

Emphasis is placed on the production of creams, ice creams, sorbets, mousse, chocolate, strudel, filo (phyllo), sauces and plated desserts. Daily presentation of individual desserts and creative plate presentation are featured.

Prerequisite(s): Completion of all freshman labs (or concurrent with dean approval).

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL2265 Classical Cuisines of France and Italy

Students explore the classical cuisines of France and Italy. Students learn to identify the shared and defining ingredients and flavor profiles of the cuisines while practicing traditional and modern techniques to produce contemporary restaurant quality à la minute plates.

Prerequisite(s): Completion of all freshman labs (or concurrent with dean approval).

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

3 Quarter Credit Hours

CUL2386 Culinary Arts International Exchange

The Ireland International Exchange program combines practical and educational learning experience. Emphasis is placed on providing students with hands-on learning in preparing and serving food and beverages.

The practical training takes place in some of Ireland's most prestigious hotels. Other learning takes place in regional education centers. The Azores Exchange program takes place at Escola De Formacao Turistica E. Hoteleira. The academic curriculum develops a student's practical and cognitive skills through the planning and preparation of entire meals. Cultural culinary experiences enhance the program through various field trips, seminars and demonstrations.

Prerequisite(s): Completion of all freshman-level course work.

Offered at Charlotte, Denver, North Miami, Providence

13.5 Quarter Credit Hours

CUL2414 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 Online, Providence

3 Quarter Credit Hours

CUL2626 Culinary Arts Internship

This intermediate level work-experience course is designed to provide students with a hands-on learning experience in the food service industry. Students apply theoretical knowledge of culinary arts, demonstrate practical skills of production, and practice professionalism in a university-approved industry setting. Upon completion of this term-long course, students gain a broader understanding of the demands and expectations of the food service industry while improving their skills in the craft of culinary arts.

Prerequisite(s): Completion of all freshman-level courses; site selection is dependent upon GPA. A minimum GPA of 2.75 may be required for certain site selections.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

6.75-13.5 Quarter Credit Hours

CUL3020 Foundations of Wine

This course introduces the student to a systematic sensory 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 and 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.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CUL3030 Exploring Cheese

This course is an opportunity for students to explore the world of cheese. Cheese history, production and trends are analyzed within a worldwide business context. Sensory evaluation, classification, ripening, storage, purchasing, service and applications in today's kitchens are components of this course. 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.

Prerequisite(s): CUL 1015, CUL 1035 or BPA1010.

Offered at Charlotte, Providence

4.5 Quarter Credit Hours

CUL3055 American Cuisine Today

Students engage in research and discussion of American regional cuisines. Class activities include discussions of indigenous and emigrant cultures, geographical implications, ingredients, religion, and cooking techniques and their influence on cooking and dining as they occurred during the development of America.

Prerequisite(s): Associate degree in Culinary Arts.

Offered at Denver, North Miami, Providence

3 Quarter Credit Hours

CUL3075 À La Carte Cuisine: Europe

Students are guided through planning and producing menu items in an à la carte setting. Emphasis is placed on traditional and contemporary European dishes. Sales forecasting, speed and accuracy of production, plate presentation, communication and efficient service are key elements of study.

Prerequisite(s): Associate degree in Culinary Arts.

Offered at Denver, North Miami, Providence

3 Quarter Credit Hours

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. Student teams 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): Junior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 beverage to the on-premise market.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

CUL3095 Designing Contemporary Plated Desserts

This course covers the preparation and presentation of contemporary plated desserts using sensory analysis applications to achieve well-rounded flavor and plate profiles. Emphasis is placed on development of a flavor palette using both sweet and savory spices, herbs and cooking techniques of various regions and countries of the world.

Prerequisite(s): Junior status.

Offered at North Miami, Providence

3 Quarter Credit Hours

CUL3123 Italian Culture & Cuisine

This term-abroad course offers an integrated curriculum incorporating theoretical and practical instructions on the art of Italian cuisine, food and wines. The course concentrates on the cuisine and culture of the many regions of Italy.

Prerequisite(s): 2.75 cumulative GPA, permission of dean or department chair, Associate degree in Baking Pastry Arts or Culinary Arts.

Offered at Charlotte, Denver, North Miami, Providence

13.5 Quarter Credit Hours

CUL3144 Farm to Table Desserts

This course focuses on the creation of plated desserts around seasonal produce and artisan products from a modern perspective. Emphasis is on incorporating fresh fruits and vegetables, whole grains, and artisan products. Students explore extending the seasonality of desserts through food preservation. Fundamental and innovative pastry techniques are covered in lecture and daily production. Students apply their knowledge by creating and executing a contemporary multi-course dessert tasting menu.

Prerequisite(s): CUL3250 (or concurrent), Associate degree in Culinary Arts or Associate degree in Baking Pastry Arts.

Offered at Charlotte, North Miami, Providence

3 Quarter Credit Hours

CUL3155 Vegetarian Cuisine

Daily production focuses on the types and the 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): Junior status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

CUL3165 Light and Healthy Desserts

This course uses guidelines for healthier desserts as a framework for daily production. Students produce original desserts that are healthier than traditional desserts and modify formulas to create desserts that are gluten-free, reduced fat, reduced sugar and vegan. Advanced pastry techniques are introduced as a means of producing desserts in line with current industry trends. Students create and execute a multi-course dessert tasting menu that aligns with the guidelines for healthier desserts.

Prerequisite(s): NUTR2001, junior status.

Offered at Charlotte, Denver, North Miami, Providence

3 Quarter Credit Hours

CUL3175 Designing Healthy Desserts

This course presents methods to develop desserts by either creating new desserts that are healthy or by substituting ingredients in traditional desserts to make them conform to specific dietary restrictions. The daily production focuses on modifying ingredients in desserts while retaining quality, quantity, variety 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 dessert presentations.

Prerequisite(s): NUTR2001, junior status.

Offered at Denver, Providence

3 Quarter Credit Hours

CUL3200 Plant-Based Cuisine

Daily production will focus on the types, preparation and nutritional aspects of plant-based foods, diets and cuisine ranging from vegetarian to meat-minimalistic. Students will investigate the reasons why people choose plant-based diets and how to market plant-based menu items. Topics will include: cultural and global perspectives, economics, health, growing conditions, farm-to-table cuisine, sustainability, and current industry trends.

Prerequisite(s): CUL3250 (or concurrent), Associate degree in Culinary Arts.

Offered at Charlotte, North Miami, Providence

3 Quarter Credit Hours

CUL3223 A Peruvian Culinary Experience

This course seeks to demonstrate the richness of Peruvian cuisine by recognizing the basic characteristics that are part of Peruvian food and culture. The course provides the demonstration of techniques, classroom practice, and real-world experiences in the wide range of food and beverages, culture, and nuances of ancient Peruvian and South American cuisine, traditional, contemporary and avant-garde.

Prerequisite(s): Approval of the dean, Associate degree in Culinary Arts or Baking Pastry Arts.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

13.5 Quarter Credit Hours

CUL3244 Exploring the Culture, Cuisine and Traditional Food Ways of Crete

This course introduces students to traditional Cretan culture and cuisine 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 they are preserving traditions that have shaped the renowned healthy cuisine of Crete, while moving forward into the future both gastronomically and economically by way of sustainable community-based practices.

Prerequisite(s): Junior status or approval of the dean.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

9 Quarter Credit Hours

CUL3250 Sustainability in the Culinary Kitchen

This course defines, explores and explains sustainable foods as they relate to the roles and responsibilities of future chefs and food service managers. Students explore the national and global economic, agricultural, political and ethical issues regarding the use of sustainable foods in the food service industry.

Prerequisite(s): Associate degree in Culinary Arts or Associate degree in Baking Pastry Arts.

Offered at Charlotte, North Miami, Providence

4.5 Quarter Credit Hours

CUL3300 Conscious Cuisine

Advanced techniques of seasonal, local and sustainable food preparation, recipe and menu development will be practiced. Students will research, adapt, create and produce full flavored, seasonal recipes and articulate the connection these dishes have to local farms, locally raised animals and the surrounding waters. Emphasis will be given to the utilization of in house produced artisan products and charcuterie.

Prerequisite(s): CUL3250 (or concurrent), Associate degree in Culinary Arts.

Offered at Charlotte, North Miami, Providence

3 Quarter Credit Hours

CUL4010 Advanced Buffet and Special Function Operations

In this course students work collaboratively to plan and create high-quality catering functions and buffets. Emphasis is on learning the principles of development, management, delivery, presentation and high-quality food styling.

Prerequisite(s): Junior status.

Offered at Denver, North Miami, Providence

3 Quarter Credit Hours

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 or CUL4960.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

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 such as France, Germany, 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 or CUL4960.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

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. Advanced 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 take the practical exam for the International School of Mixology Bartending Certification.

Prerequisite(s): Junior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CUL4065 Foods of Asia and the Orient

Students explore the planning and preparation of advanced menus reflecting influences from the countries of Asia. In an à la carte setting, this class provides students with a solid understanding of Asian food culture, cooking techniques, ingredients and dining styles. Emphasis is on the cuisines of China and Taiwan, Japan and Korea, Indonesia, Philippines, Malaysia, Singapore, Thailand, Vietnam, Kampuchea, Laos, India, Pakistan, and Sri Lanka. Emphasis is on the use of indigenous ingredients and cooking techniques and the fusion of Asian cuisine into modern American cookery.

Prerequisite(s): Associate degree in Culinary Arts.

Offered at Denver, North Miami, Providence

3 Quarter Credit Hours

CUL4080 Beer Sommelier

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, junior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

CUL4085 Dining Room Supervision

This course is designed to instruct students in the art of dining room supervision in both à la carte and banquet environments. The principles of staffing, station management, reservation management, cash control and payment processing are studied. Students perform all functions in a dining room setting.

Prerequisite(s): Associate degree in Culinary Arts.

Offered at Denver, North Miami, Providence

3 Quarter Credit Hours

CUL4111 Product Design and Development

This upper-level course builds on and applies knowledge and skills introduced in several previous courses, including Principles of Food Product Development, Food Science, and Nutrition and Sensory Analysis. Students strengthen their laboratory skills as they work in teams, designing and developing a food product from concept through product optimization. Student teams complete difference sensory tests, accelerated shelf life tests, competitive analyses, and performance tests on their products. They design labels for product packages, following current food regulations and using ESHA Genesis software. Additionally, they use Microsoft Excel software to create formulas and generate costing information. The teams present their concepts, optimized products and project reports to the university community at the end of the term. This class is conducted in a non-production kitchen that simulates the environment of a product development laboratory. It includes lecture, lab, group work and the use of the Internet to research topics relevant to students' group projects.

Prerequisite(s): FSM3025, NUTR3510.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

CUL4155 Athletic Performance Cuisine

This laboratory course emphasizes the importance of how food can enhance athletic performance. This course focuses on creating menus specifically geared for the training tables of various sports. Students utilize and apply their knowledge of nutrition, biochemistry, anatomy and physiology to develop individual assessments and menus for specific disciplines.

Prerequisite(s): NUTR3030, SCI3040 or CHM3040, senior status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

CUL4175 Spa Cuisine

Advanced techniques of nutritionally sound food preparation and menu development, as reflected in current research, are discussed. 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 it applies to current spa cuisine models.

Prerequisite(s): CUL3155, CUL3175, senior status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

CUL4185 Sommelier Capstone

This course provides a comprehensive overview of wine knowledge, sales and service techniques, giving students the ability to select appropriate beverages emphasizing wines for on-premise programs. 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. Liquor liability and responsible service is emphasized throughout.

Prerequisite(s): CUL4020 or CUL4030.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

CUL4198 Advanced Culinary Nutrition Internship

This capstone course provides students with experiential learning in diverse domestic and international industry work settings. Students apply their theoretical and practical nutrition knowledge under the supervision of qualified industry professionals.

Prerequisite(s): NUTR4030 (for clinical internship) or CUL4175 (for spa cuisine) or CUL4155 (for sports nutrition) or CUL4111 (for research development), maintain a cumulative GPA of 2.0 during the entire pre-program application process (3.25 cumulative GPA for international internship), and have completed 130 hours of course work.

Offered at Denver, Providence

13.5 Quarter Credit Hours

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. The course enables students to 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, chemists and industry professionals in both laboratory and field settings to earn practical professional brewing experience. Students gain an in-depth knowledge of traditional and modern ale-brewing technology both on-site and at local craft breweries. Students 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.

Prerequisite(s): CUL3092.

Offered at Charlotte, Denver, North Miami, Providence

9 Quarter Credit Hours

CUL4960 Sommelier Training - Germany

This academically challenging program gives students the opportunity to study wines from around the world at an internationally recognized wine school based in Koblenz, Germany. Participants have three weeks of lectures and classroom presentations by experts in the field. Evening excursions to neighboring wineries on the Mosel and Rhine rivers are included. Classes are augmented with one week of traveling throughout the neighboring wine-producing regions of Europe, including Switzerland and France. There is a comprehensive exam at the completion of the course and a wine certificate is awarded.

Prerequisite(s): Approval of the dean, 2.75 cumulative GPA, Associate degree in Culinary Arts.

Offered at Charlotte, Denver, North Miami, Providence

13.5 Quarter Credit Hours

CUL4966 Pan Asian Cuisine

This course offers an integrated curriculum incorporating theoretical and practical instructions on the art of Pan Asian Cooking. The course concentrates on the cuisine and culture of Singapore, China, India, Malaysia, Indonesia, Thailand and Indochina.

Prerequisite(s): Approval of the dean, 2.75 cumulative GPA, Associate degree in Culinary Arts.

Offered at Charlotte, Denver, North Miami, Providence

13.5 Quarter Credit Hours

Culinary Nutrition (NUTR) Courses

NUTR2001 Introduction to Nutrition

This course emphasizes the principles of nutrition and the six basic nutrients and related health concepts. Various eating behaviors, recommended dietary intakes, and tools for diet planning are explored. Students create an in-depth computerized personalized nutrient profile, which will be self-analyzed for nutritional adequacy. (HY)

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

NUTR3030 Nutrition Assessment

The junior-level course is designed to study the cultural, economic and physiological impact of food on the individual. Focus is on the measurement of techniques to evaluate nutritional status. Interrelationships between nutrition-related diseases and current diet recommendations are explored.

Prerequisite(s): NUTR2001, junior status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

NUTR3050 Life Span Nutrition

This course is designed to study the significance of nutrition at specific times of growth, development, and aging. The focus is on understanding the role food plays from pregnancy to the elderly population. The relationship between nutrition and health are traced throughout the human life span.

Students apply course content to situations relevant to both community and clinical settings.

Prerequisite(s): NUTR2001, junior status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

NUTR3510 Principles of Food Product Development

This upper-level course introduces the student to the basic principles, practices, and processes in product development labs, test kitchens, and culinary centers in the food industry. It focuses on the product development process from concept through commercialization and provides student groups the opportunity to explore the many aspects of the product development process as they research the needs of one particular target market and the technologies of one particular product category. This course includes lecture, student presentations, group work, guest lecturers, and use of the Internet to research relevant topics and technologies.

Prerequisite(s): Junior status.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

NUTR4030 Medical Nutrition Therapy

The 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): NUTR3030, NUTR3050, SCI2031, senior status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

NUTR4630 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): NUTR3030, NUTR4030.

Offered at Denver, Providence

4.5 Quarter Credit Hours

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 and 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 Providence
4.5 Quarter Credit Hours

CYB2010 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 along with 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): ENGN2014.
Offered at Providence
4.5 Quarter Credit Hours

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, to discover opportunities for improvement of existing code, and to assure the appropriate use of code.

Prerequisite(s): CSIS2045, CYB2010.
Offered at Providence
4.5 Quarter Credit Hours

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
4.5 Quarter Credit Hours

CYB3038 HCI/Usable Security

This course focuses on how to design and build secure systems with human-centric focus. Topics include the basic principles of HCI including the fundamentals of humans' cognitive abilities, principles of usability, design techniques and evaluation methods. Students apply these techniques to the design of secure systems while developing security measures that respect human performance and their goals within the system. Students design, build, evaluate and critique systems and learn how to integrate usability into secure software. Emphasis is on authentication devices, password protection techniques, browsing security, social media and mobile device security.

Prerequisite(s): ITEC3050.
Offered at Providence
4.5 Quarter Credit Hours

CYB4010 Computer and Network Forensics

This course is designed to introduce 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 experience-based exercises. Students are also introduced to the process of testifying and ethics for the expert witness.

Prerequisite(s): Senior status.
Offered at Providence
4.5 Quarter Credit Hours

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 has changed the nature of intelligence collections, operations and analysis across the intelligence communities.

Prerequisite(s): CYB3038.
Offered at Providence
4.5 Quarter Credit Hours

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
4.5 Quarter Credit Hours

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
4.5 Quarter Credit Hours

Digital Media (DME) Courses

DME1000 Foundation Drawing and Digital Tools

As a prerequisite to all design thinking, drawing skills offer an effective means of prototyping visual solutions before committing them to software. Students practice the essential visual elements of design including shape, line, value and perspective. Based on graphics industry models, students actively experience compositional and thematic principles as a means of developing flexible approaches to design strategy. Students create initial sketches on paper then learn techniques to digitize files into common software applications. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence
4.5 Quarter Credit Hours

DME1020 Design Perspectives

What makes a great designer is not drawing ability or computer skill, but the ability to think creatively and find unique solutions to complex problems. Digital Media Perspectives provides students with an overview of design industries, historical art movements and styles, current design trends and industry professionals to know, as well as critical brainstorming and thinking techniques. Students participate in a number of project-oriented experiences to explore, learn and develop basic skills and practices to be successful in the program and industry. Through hands-on projects in a collaborative learning space, students are exposed to all the critical components of success in a university level design program. Work includes art analysis, public speaking experience, creative research, hands-on problem solving, and team building exercises. Students are coached and encouraged to provide solutions for design problems ranging from 2D to 3D. Digital Media Perspectives prepares students for success in a challenging Graphic Design and Digital Media curriculum, university academics and industry career paths.

Offered at Denver, North Miami, Providence
4.5 Quarter Credit Hours

DME1030 Principles of Composition & Design

This is a foundation course wherein students investigate the fundamental creative design principles and theories that underlie creative industry work, focusing on various forms of print. This course is project-based with assignments introducing branding, Web layouts, packaging templates, integration of programs and hand-done elements. Students are introduced to image editing software as it pertains to editing, with illustration software being the main focus. This course provides a foundation to any higher-level course in the degree program.

Prerequisite(s): DME1020 or MCST1030 or any FIT course.
Offered at Denver, Providence
4.5 Quarter Credit Hours

DME1040 Screen Design & Coding I

This course aids students in using client side coding languages (i.e., HTML, CSS) to develop design solutions for multiple digital formats including Web browsers, tablets and mobile devices. Student combine research, contemporary visual approaches, compositional design principles, grid-based frameworks and responsive coding practices to develop screen-based solutions for various digital formats. 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.

Prerequisite(s): DME1050.
Offered at Denver, Providence
4.5 Quarter Credit Hours

DME1050 Imaging for Digital Media

This course presents an in-depth investigation into the acquisition, creation, manipulation and distribution of raster-based images. Students learn techniques in digital photography and scanning and best practices in preparing images for distribution in print and digital media formats. Emphasis is placed on creative projects investigating photomontage/layering techniques and the development of essential frameworks for designing prototypes for websites, mobile applications and motion graphics.

Prerequisite(s): ADVC2001 or DME1000 or MCST1030.
Offered at Denver, North Miami, Providence
4.5 Quarter Credit Hours

DME1060 Screen Design & Coding II

In this course, students advance their knowledge of client side coding languages (i.e., HTML, CSS and Javascript) to develop design solutions for multiple digital formats including Web browsers, tablets and smart phones. Students continue to apply solid compositional approaches while incorporating design approaches specific to the medium. Focus is on user experience, usability, responsive coding practices and front-end frameworks. Emphasis is 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. Students also learn to deploy and manage their sites on a working server.

Prerequisite(s): DME1040.
Offered at Denver, Providence
4.5 Quarter Credit Hours

DME2000 Typography and Spatial Design

This course presents an in-depth study of typography and its powerful communicative abilities. Type and text collateral are a critical platform for all forms of published communication. Type style, shape and size communicate subtle messages and convey important information. Nearly all design solutions benefit from a thoughtful and creative use of type and layout, whether on a printed page or in digital space. The relationship of typographic design to print and digital publishing is explored through project-based work.

Prerequisite(s): DME1030 or DME1050
Offered at Denver, Providence
4.5 Quarter Credit Hours

DME2020 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): DME1030 or DME1050 or (MCST1030 or COMM1030), sophomore status.
Offered at Denver, Providence
4.5 Quarter Credit Hours

DME2025 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 Denver, Providence
4.5 Quarter Credit Hours

DME2030 Print Design

This course reviews print formats and typography with an emphasis on publication design, package design and branding/re-branding consistency across different mediums. Students gain further understanding of brand strategy and designing for target audiences. By the end of the course, students should be able to write a brand strategy, apply advanced typographic conventions, develop and design packaging templates, prototype print collateral with a high level of craft, and perform essential prepress production techniques.

Prerequisite(s): DME2000, sophomore status.
Offered at Denver, Providence
4.5 Quarter Credit Hours

DME2040 Portfolio Assessment

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 as well as enhance their portfolios with additional advanced design projects. Students begin to identify and present themselves as independent designers through the development of focused identity that carries through to all of their presentational materials. In the final week of the course, students present and defend their work to a select group of faculty and visiting professionals. 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): DME2030, sophomore status.
Offered at Providence
4.5 Quarter Credit Hours

DME2050 Interactive Architecture and Content Design

This course introduces a series of techniques to conceive and plan projects in new media environments, especially those that require interactive interface. Students explore and design solutions for interactive applications, simulations, virtual immersive space and other new media uses. User interface, user experience and content strategy are introduced.

Prerequisite(s): DME1060, sophomore status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

DME3010 Design Solutions 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 dozens of nonprofit client organizations. This course is the direct, practical application of skills learned in prior academic courses and prepares students for future career success.

Prerequisite(s): DME2040, junior status.

Offered at Providence

4.5 Quarter Credit Hours

DME3020 Design Solutions Team II

This course expands on the real world client projects begun in Design Solutions Team I. With faculty supervision, students complete previously initiated projects and/or engage in new team-based design projects involving print and screen media. The resulting work supports the day-to-day operations of dozens of nonprofit client organizations. This course is the direct, practical application of skills learned in prior academic courses and prepares students for future career success.

Prerequisite(s): DME3010, junior status.

Offered at Providence

4.5 Quarter Credit Hours

DME3050 Basics of Print Design

This course introduces the student to the fundamental principles of print design. Using current industry standard software, students learn the essential design concepts 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. Students are required to produce various types of documents using course software. Assignments are completed in class, and projects are required outside of classwork.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

DME3115 Technologies for Screen Design

This course investigates contemporary processes and approaches to designing for the screen. Primary focus is on designing with the industry standard Content Management Systems. In addition, topics may be drawn from conferences, publications and the local technology community. Though this is a highly project-driven course, students also research and present their findings on recent screen design trends.

Prerequisite(s): DME2050, sophomore status.

Offered at Providence

4.5 Quarter Credit Hours

DME3140 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): DME2020, sophomore status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

DME3210 Print Production

This course continues to explore the graphic design field with emphasis on the production process. Students further develop proficiency in industry-standard software programs and acquire the knowledge to prepare mechanical files for print production, as well as understand the industry pre-press language and terminology and working with various vendors. This project-based course focuses on print production through the concept, development and execution of complex print design projects incorporating book design, packaging, page layout (digital and print) and brand identity and strategy. As part of this course, industry visits are planned both on and off campus. The assignments for this course are designed to reflect the same expectations, processes and tasks as those in a working design firm environment. Each project assigned focuses not only on technical ability, but conceptual thinking. The goal for this course is that each student is able to create industry-quality design pieces to add to their physical and digital portfolio. The course follows the model of demonstrations, concept development, discussion, critique and evaluation.

Prerequisite(s): DME2030, sophomore status.

Offered at Providence

4.5 Quarter Credit Hours

DME3230 Advanced Print

This course is geared toward intermediate and advanced Graphic Design & Digital Media students. Utilizing industry-standard software programs, students undertake advanced-level print design projects. Class assignments and projects explore scenarios in advertising, branding, packaging, logo design and print publishing. Students further develop sensitivity toward design and produce several professional-level design projects to help build a senior-level portfolio.

Prerequisite(s): DME3210, sophomore status.

Offered at Providence

4.5 Quarter Credit Hours

DME3300 Digital Video I

Students in this course learn advanced digital production techniques and tools for full motion, sound and video editing. Students explore current and emerging media standards and applications. Topics include converging digital media, content creation and use of new media communication tools for internet enabled application. Students work independently and on project teams.

Prerequisite(s): DME2020, sophomore status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

DME3310 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): DME3300, sophomore status.

Offered at Denver, Providence

4.5 Quarter Credit Hours

DME4010 Digital Media Studio I

The course offers students the opportunity to develop breadth and deep practice in the comprehensive development of design solutions from concept to execution to presentation. Projects originate from a variety of sources. Students will present and critique strategies, plans and solutions at all stages of the project throughout the term. Each project will be thoroughly and professionally documented from start to finish.

Prerequisite(s): DME3020, senior status.

Offered at Providence

4.5 Quarter Credit Hours

DME4020 Digital Media Studio II

The course is a continuation of DME 4010. It offers students the opportunity to develop breadth and deep practice in the comprehensive development of design solutions from concept to execution to presentation. Projects originate from a variety of sources. Students will present and critique strategies, plans and solutions at all stages of the project throughout the term. Each project will be thoroughly and professionally documented from start to finish.

Prerequisite(s): DME4010, senior status.

Offered at Providence

4.5 Quarter Credit Hours

DME4050 Senior Portfolio Assessment

This capstone course guides students 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. Portfolios consist of a minimum of 10-12 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): DME2040, DME3020, senior status.

Offered at Providence

4.5 Quarter Credit Hours

Directed Experiential Ed (DEE) Courses

DEE3999 Directed Experiential Education

Directed Experiential Education (DEE) offers students an intensive, term-long, 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. Students can take up to three terms of this course at 4.5 credits per term.

Prerequisite(s): Faculty recommendation and approval by the department chair. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

Economics (ECON) Courses

ECON1001 Macroeconomics

This course is designated as the first of two courses serving as an introduction to economics. It is a survey course covering the foundations of economics and focusing on macroeconomic concepts and issues such as the features and goals of capitalism, the market system, national income, business cycles, macroeconomic theories, and monetary and fiscal policy.

Prerequisite(s): MATH1002 or math placement. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ECON1002 Microeconomics

This course consists of microeconomic principles and issues. Course content examines and analyzes both the product and resource markets with emphasis on demand, supply and elasticities. In addition, the costs of production and the basic market models of firms' short run and long run operations are discussed. Other topics covered include various current domestic microeconomic problems, as well as international economic issues such as international trade and foreign exchange.

Prerequisite(s): MATH1002 or math placement. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 will be discussed and analyzed to permit better insight into these issues.

Prerequisite(s): ECON1001 or ECON1002.

Offered at Charlotte, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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, (MGMT1001 or MGH1000). (HY)

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence, Providence CE

4.5 Quarter Credit Hours

ECON5000 Economics in the Global Economy

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. The 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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

Education (EDUC) Courses

EDUC5120 Foundations for Learning and Teaching

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 in building a broad understanding of learning and teaching in American schools today. Through course readings and discussion, students examine a variety of issues at the forefront of school improvement efforts including standards-based curriculum, meeting the needs of diverse learners in the classroom, collaboration, formative and summative assessment, and data-driven decision-making. 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 R.I. teacher evaluation system to support their emerging understanding of the professional, educational, legal and ethical responsibilities to students and their families.

Offered at Providence

2.25 Quarter Credit Hours

EDUC5150 Educational Psychology

This course develops a fundamental understanding of the theories and principles of psychology as applied to teaching and learning and the implications for curriculum planning. Students integrate and apply theories and principles of child and adolescent development, learning, memory, motivation, individual differences, instruction, and measurement and evaluation.

Offered at Providence

2.25 Quarter Credit Hours

EDUC5160 Integrating Literacy in the Culinary Arts Classroom

This course assists pre-service teachers in understanding the role of literacy in the teaching and learning process in the culinary classroom. Participants identify strategies to help their students access information, improve comprehension, and communicate effectively through reading, writing, speaking, listening and critical thinking. Participants create lessons that develop the literacy abilities of their students as well as the content-specific concepts and skills of their discipline.

Prerequisite(s): EDUC5120, SPED5110.

Offered at Providence

2.25 Quarter Credit Hours

EDUC5170 Best Practices in Literacy Instruction

This course explores the Balanced Literacy Model, an instructional framework designed to teach phonemic awareness, phonics, vocabulary/word study, reading fluency and reading comprehension within the context of lesson design, observed and implemented in elementary through secondary classrooms. Through course content, instructional modeling and related lab experiences, participants are introduced to strategies to motivate and teach students reading, writing, speaking and listening skills. This course focuses on English Language Arts as an interdisciplinary and developmental process. Course assignments involve planning for instruction of comprehension and vocabulary strategies as well as introducing word attack skills.

Prerequisite(s): EDUC5120, EDUC5150, SPED5110.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5180 Curriculum Development for Culinary Arts Programs

This course helps students develop a standards-based culinary curriculum. Current theories and standards regarding the curriculum design process are analyzed. Students identify standards, formative and summative assessment measures, instructional strategies, and resources for student achievement.

Prerequisite(s): EDUC5120, EDUC5150, SPED5110.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5190 Teaching Financial Management

This course provides business education teacher candidates strategies for teaching high school students the knowledge, skills and dispositions required for them to make sound financial decisions and manage their own personal finances. The Internet and other sources are used to research the latest information on personal finance topics and financial products. Participants design lessons that connect to the Common Core State Standards and that engage students in critical thinking, problem solving and decision making. Emphasis is given to recognizing and accommodating for the continuum of student differences and the changing nature of the financial environment.

Prerequisite(s): EDUC5170, SPED5120.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5220 Strategies for Teaching Culinary Arts Mathematics

This course is designed to critically analyze curriculum and the process of teaching and learning culinary arts mathematics. It examines current research in best practices for delivering mathematics instruction. Value is placed on thinking, reasoning, communicating mathematically among mathematical ideas and real-world situations. Standards addressed include the Rhode Island Professional Teacher Standards (RIPTS) and national and state standards for mathematics.

Prerequisite(s): EDUC5160, EDUC5180.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5230 Methods of Teaching Business

This course offers aspiring teachers the opportunity to prepare their students to be responsible citizens capable of making astute economic decisions that will benefit their professional lives. Prospective teachers become facilitators of learning specifically by planning, developing, delivering and evaluating basic business curriculum related to technology, economics and marketing. Multiple instructional strategies are considered for 1) planning, designing, delivering and evaluating lessons; 2) creating an environment in the classroom conducive to learning; 3) treating all students equitably in the classroom; 4) connecting the Common Core State Standards and Student Learning Outcomes (SLO) to the business curriculum; 5) developing a professional philosophy of education; and 6) participating in professional development. Readings on current trends in education augment class discussion.

Prerequisite(s): EDUC5170, SPED5120.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5240 Methods of Teaching Culinary Arts

This methods course is designed to provide knowledge of the principles and techniques of instruction as they pertain to the experiential classroom of culinary arts. Emphasis is on long-range and daily lesson plans, methods, tools and skills of instruction and the organization of instructional materials and supplementary materials to accommodate the special needs and individual differences among students in today's diversely populated secondary school classrooms. The importance of staying abreast of professional practices, trends and research is stressed via an outside reading list.

Prerequisite(s): EDUC5160, EDUC5180.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5260 Strategies for Teaching Mathematics

This course is based on current level three research, including the Third International Mathematics and Science Study (TIMSS), which examines best practices for delivering mathematics instruction. Value is placed on thinking, reasoning, and communicating mathematically and making connections among mathematical ideas and real world situations. Participants observe, reflect 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 state and national standards.

Prerequisite(s): EDUC5170, SPED5120.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5270 Advanced Methods of Teaching Culinary Arts

This advanced methods course is designed to build 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 and techniques in both a lab and classroom environment. Emphasis is on understanding how students think, learn, communicate and perform culinary/pastry technical skills.

Prerequisite(s): EDUC5220, EDUC5240.

Offered at Providence

9 Quarter Credit Hours

EDUC5280 Strategies for Teaching Science

This course is designed to increase the students science content knowledge, critically analyze curriculum, and experience best practices in teaching and learning science in elementary and middle school grades with a technology component. Current theories regarding instructional strategies for science, the application of language arts skills in the content area, and uses of various technologies in the classroom are integrated into the course. Emphasis is placed on a student-centered approach to science inquiry that maintains the rigor necessary to prepare students with the habits of mind required to meet the demands of a highly scientifically literate society. Lab experiences play a vital role in this course.

Prerequisite(s): EDUC5170, SPED5120.

Offered at Providence

4.5 Quarter Credit Hours

EDUC5300 Literacy in the Content Area

This course offers prospective teachers the opportunity to develop strategies to enhance content area literacy instruction. Special emphasis is placed on balancing the challenges of developing standards-based curriculum and meeting the needs of a diverse classroom population. Best practices for instruction and assessment are explored and tested through the field placement experience. Based on course content and collaboration with cooperating teachers, participants will design a content area unit that will be implemented during student teaching.

Prerequisite(s): EDUC5260, EDUC5280 or EDUC5190, EDUC5230.

Offered at Providence

2.25 Quarter Credit Hours

EDUC5310 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 for all students that serves as a foundation for the Teaching and Learning master's degree program. Emphasis is on the importance of teacher quality and developing quality teaching. Various theories and philosophies are explored to evaluate their role in accomplished teaching. Equal emphasis is also given to the critical role of research and data to guide instruction and instructional planning. Through critical analysis and course work, participants analyze and apply these understandings to their teaching context to document their emerging concept of teaching excellence. Additionally, participants begin their capstone project by identifying issues of interest within their teaching context that merit deep exploration.

Offered at Providence

9 Quarter Credit Hours

EDUC5320 Monitoring and Managing Student Learning

This course examines student learners, their role in the teaching and learning equation, and how teachers can impact the learning process. Focus is on the interactive nature of teaching for learning in which the teacher continuously and proactively supports student learning. Emphasis is on three major themes: 1) discovering how students learn and using this knowledge to support student learning by designing effective learning environments; 2) knowing students as individuals and how their backgrounds, strengths and challenges affect teaching and learning; 3) connecting the first two themes to discover the essential role of the teacher, actively monitoring and managing the learning environment and student learning. Through critical analysis and course work, participants analyze and apply these understandings to support student learning.

Prerequisite(s): EDUC5310.

Offered at Providence

9 Quarter Credit Hours

EDUC5330 Standards, Curriculum and Instructional Design

This course examines the nature and roles of standards, curriculum and instructional design in teaching for learning. The major focus of the course is on the essential integration of standards, curriculum and instructional design to facilitate deliberate and strategic planning for student learning. Emphasis is on identifying how standards support 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 and consumer, as well as critical reviewer of the three. Through critical analysis and course work, participants analyze and apply these understandings to their teaching context to document their emerging facility and expertise with standards, curriculum and instructional design.

Prerequisite(s): EDUC5320.

Offered at Providence

9 Quarter Credit Hours

EDUC6120 Assessment for Student Learning

This course explores how assessment and resulting data are used to guide and inform instruction. A major theme of the course is 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): EDUC5270, SPED5130.

Offered at Providence

4.5 Quarter Credit Hours

EDUC6130 Digital Collaborative Tools

This course provides an understanding of the shifting learning literacies that the 21st century demands and how they will change the way teachers facilitate and educate their digital learners. The course examines and emphasizes Web 2.0 tools such as wikis, blogs, podcasts and other powerful tools of the Web that create authentic learning. Students learn about these various tools and how to infuse these unique technologies into their pedagogy. Through in-class, individual instruction and team-based experiential learning, students incorporate these innovative and collaborative tools into their classrooms to create purposeful curriculum design.

Prerequisite(s): SPED5130, SPED5150, SPED5170, EDUC5300.

Offered at Providence

2.25 Quarter Credit Hours

EDUC6140 Methods of Teaching Social Studies

This methods course is designed to provide knowledge of how to design and teach an integrated study of social sciences and humanities to promote historical understanding and civic competence among students. Emphasis is on instruction that facilitates the teaching of social studies content, skills and concepts through daily and long-range planning and uses research-based, best-practice methods. The course also emphasizes the tools and skills of instruction and the organization of instructional and supplementary materials to accommodate the special needs and individual differences among students in today's diversely populated elementary school classrooms.

Prerequisite(s): SPED5130, SPED5150, SPED5170, EDUC5300.

Offered at Providence

2.25 Quarter Credit Hours

EDUC6160 Student Teaching: Elementary Education

Students in this course spend 12 weeks in a teaching situation at a public school site under the direct supervision of a cooperating elementary education teacher. Student teachers plan lessons and demonstrate their ability to teach and work effectively. During the course, students are required to demonstrate their understanding of and competence in the RIPTS and CEC Standards by producing a student teachers portfolio. Students may participate in ad hoc seminars related to their student teaching experience.

Prerequisite(s): EDUC6120, EDUC6140, SPED6110, passing score on Praxis II Elementary Education Content Area Exam, department permission.

Offered at Providence

9 Quarter Credit Hours

EDUC6310 Instructional Strategies and Resources

This course examines the field of instructional strategies and resources and their impact on student learning. The course focuses on those strategies and resources that effective teachers use to support students and their learning, such as teaching as an iterative process, and matching instructional strategies and resources with evidence of student learning. An additional theme is the intentional use of strategies and resources that are based on research, best practices, content and student needs. Equal 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 course work, 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): EDUC5330.

Offered at Providence

9 Quarter Credit Hours

EDUC6320 Assessment for Learning

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. Emphasis is on assessment epistemology, the variety and purposes of assessment, and how assessment and resulting data are used to guide and inform instruction. 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 rubrics, collaboratively looking at student work and the student's role in assessing their learning. Through critical analysis and course work, participants analyze and apply these understandings to their teaching context to document their emerging concept of assessment for learning.

Offered at Providence
9 Quarter Credit Hours

EDUC6330 Capstone: Multiple Roles of Teachers

This course explores the multiple and critical roles effective teachers engage in and fulfill to support student learning and advance the goals of the school community. The course emphasizes how and why effective teachers, beyond their instructional responsibilities, must act as learners, leaders and collaborators, professionals and connectors between the school, families and communities. While examining these various roles, participants demonstrate, share and reflect on evidence of their emerging engagement in the roles.

As the last course in the Teaching and Learning master's degree program, this module allows participants to connect and synthesize learning and central themes that have evolved during their work in the program. Through critical analysis and course work, participants analyze and apply these understandings to their teaching context and develop a path for continuous future growth. Participants apply their learning to their capstone project and present their findings and recommendations.

Prerequisite(s): EDUC6320.
Offered at Providence
9 Quarter Credit Hours

EDUC6810 Student Teaching: Business Education

Students in this course spend 12 weeks in a teaching situation at a public secondary school site under the direct supervision of a cooperating business education teacher. During student teaching, students plan and implement lessons with the guidance of their cooperating teacher. Students are required to demonstrate their understanding of the RIPTS and CEC Standards by collecting evidence for their student teaching portfolio. Students may participate in ad hoc seminars related to their student teaching experience.

Prerequisite(s): EDUC6120, SPED6110, EDUC6130, passing score on the ETS Exam, department permission.
Offered at Providence
9 Quarter Credit Hours

EDUC6820 Student Teaching: Culinary Arts Education

Students in this course spend twelve weeks in a teaching situation at a public school site under the direct supervision of a cooperating teacher-chef. Student-teachers plan lessons and demonstrate their ability to teach and work effectively. During the course, students are required to demonstrate their understanding of and competence in the RIPTS standards by producing a student-teacher's portfolio. Students may participate in ad hoc seminars related to their student-teaching experience.

Prerequisite(s): EDUC6120, SPED6110.
Offered at Providence
9 Quarter Credit Hours

EDUC6840 Student Teaching Internship: Culinary Arts Education

Students in this course spend 11 weeks in a teaching situation at a university site under the direct supervision of a cooperating teacher chef. Student teachers plan lessons and demonstrate their ability to teach and work effectively. During the course, students are required to demonstrate their understanding of and competence in the RIPTS standards by producing a student teacher's portfolio. Students may participate in ad hoc seminars related to their student teaching experience.

Prerequisite(s): EDUC6120, SPED6110.
Offered at Providence
9 Quarter Credit Hours

EDUC6860 Capstone Project: Culinary Arts Education

This capstone course affords students the opportunity to apply theory learned throughout the program and conduct new research to design a curriculum for a secondary and/or post-secondary culinary arts program. Participants engage in an action research study that results in identifying best practices in culinary education and recommendations for curriculum improvement.

Prerequisite(s): EDUC6120, SPED6110.
Offered at Providence
9 Quarter Credit Hours

EDUC7006 Research I: Educational Research for Higher Education Leaders

This course prepares students to identify, synthesize and analyze research and apply it to educational issues and challenges in higher education settings. Students work in these settings to identify and analyze problems, formulate research questions, critique existing research (including research that focuses on higher education issues and trends), and use research to improve policies, programs and practices applicable on their campuses.

Offered at Providence
6 Semester Credits

EDUC7007 Research I: Educational Research for Elementary-Secondary Education Leaders

This course prepares students to identify, synthesize and analyze research, applying it to issues and challenges in elementary-secondary education settings. Focus in the course is on identification and analysis of researchable problems and formulating research questions, critiquing existing research studies, and using research to improve policies, programs and practices at the elementary, middle and high school levels.

Offered at Providence
6 Semester Credits

EDUC7011 Strategy & Change

This course prepares students to lead change, particularly strategic and systemic change. Students develop competencies in strategic thinking and acting, developing change strategies, and facilitating innovation. This course focuses on the nature of change and the change process. Attention is given to the development of skills and strategies needed by educational leaders to challenge present practices and to create highly innovative alternatives. Attention is also given to building leadership capacity to support school reform and change. The course prepares students to incorporate information technology planning into the strategic planning process.

Offered at Providence
6 Semester Credits

EDUC7021 Nature of Higher Education

This course presents an overview of the defining characteristics of higher education in the U.S. with emphasis on past, present, and emerging trends, and on the social, economic, and political issues that are crucial for higher educational leaders to recognize and understand. Strategies and tactics needed to bring about constructive change are studied and applied. Various information sources and mechanism are used. Expansion and refinement of the knowledge, skills, and interests of students in the higher education enterprise are the goals of the course.

Offered at Providence
6 Semester Credits

EDUC7030 Teaching and Learning Higher Education

This course prepares students to lead reform initiatives in teaching and learning in higher education settings. The course focuses on the relationships among curriculum, instruction, and assessment. Students are given opportunities to examine key issues and problems impacting teaching and learning in higher education. Students engage in an action research project that is centered on typical problems in teaching and learning confronting educational leaders.

Offered at Providence
6 Semester Credits

EDUC7031 Organizational Theory and Behavior in Higher Education

This course focuses on higher education organizational theory, behavior, and culture, with special emphasis on how leaders can effect change by developing a dynamic, holistic, systems approach to understanding and facilitating the work of the organization. Using re-framing as a lens to view organizations, the course examines the complex relationships among individuals and groups, as well as team building, decision-making, conflict resolution, strategy and policy development, and administrative management styles. Organizational development and change theory are explored with regard to traditional and evolving patterns for organizing colleges to effectively to meet current and future demands.

Offered at Providence

6 Quarter Credit Hours

EDUC7032 Organizational Theory, Behavior, and Development in Elementary-Secondary Education

This course focuses on the organizational theory, behavior and culture with special emphasis on how elementary-secondary leaders can affect change by developing a systemic approach to understanding and facilitating the work of the organization. Emphasis is placed on understanding and facilitating the work of organizations. Emphasis is also placed on understanding the "frameworks" (political, symbolic, human resources and structural) that affect organizations. In understanding the impact of the "frameworks", the intent is to provide the skills for leaders to re-frame existing organizations and review organizations from a different "lens" or perspective. The course examines the complex relationships among individuals and groups as well as team building, decision-making, conflict resolution, strategy, policy development, and administrative and management styles.

Offered at Providence

6 Semester Credits

EDUC7035 Curriculum, Instruction and Assessment

This course is designed to prepare students to lead reform initiatives in curriculum, instruction, and assessment in the K-12 educational setting. Emphasis is given to the major phases of curriculum improvement: planning, development, implementation, and evaluation. The course also provides students with opportunities to examine issues among such topics as theories of curriculum and instruction, leadership roles and responsibilities, supervision of instruction, the impact of technology in improving teaching and learning, professional development, differentiated instruction, student assessment, standards-based curriculum, and problem/project-based learning. Students engage in an action research project that is centered on typical problems in teaching and learning confronting educational leaders.

Offered at Providence

6 Semester Credits

EDUC8007 Research II: Research Methods for Elementary-Secondary Education Leaders

This course prepares students to design and conduct qualitative, quantitative, and mixed methods research, including program evaluations, addressed to significant educational issues and challenges in elementary-secondary settings. Students work in these settings to create research designs, collect and analyze qualitative and quantitative data, and derive findings and conclusions.

Prerequisite(s): EDUC7006 or EDUC7007.

Offered at Providence

6 Semester Credits

EDUC8008 Research II: Research Methods for Higher Education Leaders

This course prepares students to design and conduct qualitative, quantitative, and mixed methods research to address significant educational issues and challenges in higher education settings. This course focuses on direct application of designs and methods in preparation for the dissertation process. Students develop initial qualitative and quantitative data collection methods and complete pilot tests for their proposed study. Students are also exposed to publishing and conference presentation opportunities for their particular discipline and topic.

Prerequisite(s): EDUC7006.

Offered at Providence

6 Semester Credits

EDUC8016 Resource Planning and Management in Higher Education

This course assists doctoral students in developing the knowledge, skills and dispositions needed to plan and execute sound approaches to resource decision-making and use. Authentic fiscal issues and practices in higher education are identified and potential solutions and needed changes explored. Students investigate the entire spectrum of revenues, rationales and justifications for budget requests and resource allocations, and design appropriate practices for resource management. Traditional and evolving funding sources are examined, and grant-writing strategies explored. The fusion of planning, budgeting and technology to produce better resource allocations, and oversight of those allocations, is emphasized.

Prerequisite(s): 24 semester credit hours of doctoral study.

Offered at Providence

6 Semester Credits

EDUC8017 Resource Planning and Management in Elementary-Secondary Education

This course examines the foundations of school finance and business practices and how they are integral to achieving school and district goals for student learning and achievement to state performance standards. Current and prospective education leaders and school administrators investigate how school finance, budget, business management, asset protection, and facilities planning and management are vital to the teaching and learning process.

Offered at Providence

6 Semester Credits

EDUC8026 Student Development in Higher Education

This course focuses on the comprehensive nature of student affairs as a vital component in the evolving learner-centered environments of higher education. Students investigate and seek potential solutions to authentic problems facing leaders in student affairs, such as those concerning student enrollment management, student diversity, student induction, advising and counseling, placement testing, career development, residential life, food services, health services, student activities, Greek organizations, athletics, security and discipline. Theory and good practice are used to guide the discussion, investigate the issues, and generate alternative solutions.

Prerequisite(s): 36 semester credit hours of doctoral study.

Offered at Providence

6 Semester Credits

EDUC8027 Family and Community Engagement

This course addresses the role of the educational leader in engaging the community in supporting the education of its children and youth. Topics focus on home and school collaboration and parent/family involvement in the education of children. Topics also include developing and maintaining relationships with businesses and higher education to promote their involvement and active participation in elementary and secondary schools. In addition, areas of community service, diversity within the community, community relations and the school as a community center are investigated.

Offered at Providence

6 Semester Credits

EDUC8090 Leadership in Higher Education Capstone

This capstone builds upon the knowledge, skills and dispositions that students have acquired from other courses, independent studies, and their experiences to address authentic issues in higher education. The approach is problem-based, context-bound and service-oriented. Through case studies, exercises and projects, students work individually and collaboratively to seek practical solutions to actual and hypothetical dilemmas in higher education. Emphasis is placed on analyzing and addressing the policy aspects of issues, on seeking appropriate research paradigms, and on defining leadership roles to facilitate realistic and creative change.

Prerequisite(s): 36 semester credit hours in the Educational Leadership

Program.

Offered at Providence

6 Semester Credits

EDUC8095 Leadership in Elementary-Secondary Education

This course examines leadership theories and models and their applications to educational reform in elementary-secondary education. Topics addressed include: leadership styles, organizational cultures, school change strategies, leadership behaviors, leadership standards, strategic planning, site-based management, school culture, data-driven decision making, and shared decision making. Students employ action research and problem-based learning approaches to conduct research on current leadership-related problems and issues.

Offered at Providence
6 Semester Credits

EDUC9005 The Field Research Project

Students or groups of students conduct an action research field project in concert with a public or private educational institution or setting. The purposes of this project are to identify a significant educational problem in the context of a local/state educational setting, to review existing theory and research, to analyze the problem, and to develop potential solutions for the problem. Students are encouraged to identify a research project early in their program. The project must be approved by the major advisor and the local/state educational setting, system or institution. The seminar series provides students with dissertation support, and moves students towards degree completion.

Prerequisite(s): All 7000 and 8000 level coursework, comprehensive exam.
Offered at Providence
6 Semester Credits

EDUC9010 Doctoral Dissertation

The dissertation is the refinement and publication of a field research project. The seminar series provides students with dissertation support, and moves students towards degree completion.

Offered at Providence
6 Semester Credits

EDUC9011 Doctoral Dissertation Advisement

The course is provided to students after the third year to provide ongoing dissertation advisement and continuous enrollment. The seminar series provides students with dissertation support, and moves students towards degree completion.

Offered at Providence
0 Semester Credits

Engineering (ENGN) Courses

ENGN1001 Digital Logic Design I

This course is an introduction to analysis and design of digital circuits. Topics include numbering systems, logic gates, Boolean algebra, MSI devices, and analysis and design of combinational circuits. This course includes the use of software tools for design, minimization, simulation, and schematic capture of digital systems. A hands-on laboratory including PLD/FPGA is integrated in which students work in teams.

Offered at Providence
4.5 Quarter Credit Hours

ENGN1025 Survey of Electronics

What really happens when you turn on your stereo or light? How does my computer do the things it does? This course is designed to help the non-electrical engineer understand the basics of electrical theory from digital to solid states and beyond. Topics covered are fundamental concepts, such as voltage, current, resistance, power, frequency and the functional analysis of simple analog and digital circuits and systems. Student are introduced to electronic symbols, numbering systems, Boolean algebra, sequential circuitry, microcontrollers and basic controller programming. Instrumentation including measuring devices such as ohmmeters, voltmeters, and oscilloscopes will also be reviewed and used. This class runs in the integrated lab format so that students have the opportunity to test the theory with hardware and simulation software.

Offered at Providence
4.5 Quarter Credit Hours

ENGN2000 Robotics

This course introduces students to the basic concept and applications of robotics. The study of robotics includes the supporting disciplines of mechanics, motors, microprocessors, 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 microprocessors, microprocessor interfacing, and artificial intelligence in robotic systems is covered. Industrial applications in the areas of automotive and semiconductor manufacturing as well as medical and aerospace applications are described. The course includes a lab session on robotic work cell.

Prerequisite(s): CSIS1020 or CSIS1101.
Offered at Providence
4.5 Quarter Credit Hours

ENGN2002 Digital Logic Design II

The focus of this course is the analysis and design of sequential logic circuits. Topics include asynchronous and synchronous sequential circuit analysis and design, state machine analysis and design, and ASM design methodologies utilizing PLD and FPGA implementations. This course includes the use of software tools for design, minimization, simulation, and schematic capture of digital systems. A hands-on PLD/FPGA based laboratory is included.

Prerequisite(s): ENGN1001.
Offered at Providence
4.5 Quarter Credit Hours

ENGN2003 Circuit Theory I

This course provides a firm foundation in DC circuit analysis. The goals of this course include developing an ability to solve engineering problems to design, implement and test circuits to meet design specifications. Emphasis is upon the understanding and application of Ohm's law and Kirchoff's Voltage and Current Laws in resistive networks. Methods of linear systems analysis are introduced including Thevenin's and Norton's theorems and the superposition principle.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: ENGN2004.
Offered at Providence
4.5 Quarter Credit Hours

ENGN2004 Circuit Theory I Lab

Laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in Circuit Theory I, ENGN2003.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: ENGN2003.
Offered at Providence
1 Quarter Credit Hour

ENGN2005 Circuit Theory II

This course focuses on the principles and applications of alternating current (AC) circuit fundamentals essential to the study of RL, RC and RLC circuit. 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.

Prerequisite(s): ENGN2003, ENGN2004, MATH1040 (or concurrent),
Corequisite: ENGN2006.
Offered at Providence
4.5 Quarter Credit Hours

ENGN2006 Circuit Theory II Lab

Laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in Circuit Theory II, ENGN2005.

Prerequisite(s): ENGN2003, ENGN2004, MATH1040 (or concurrent),
Corequisite: ENGN2005.
Offered at Providence
1 Quarter Credit Hour

ENGN2007 Circuit Theory III

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 and bipolar (BJT) transistors are examined. Circuit applications of power supplies, voltage regulation, small-signal amplifiers and power amplifiers are included.

Prerequisite(s): ENGN2005, ENGN2006, MATH1040 (or concurrent),

Corequisite: ENGN2008.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2008 Circuit Theory III Lab

Laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in Circuit Theory III, ENGN2007.

Prerequisite(s): ENGN2005, ENGN2006, MATH1040 (or concurrent),

Corequisite: ENGN2007.

Offered at Providence

1 Quarter Credit Hour

ENGN2010 Industrial Electronics

This course includes the terminology, symbols, and applications of solid state devices used in industrial control such as switching and special purpose diodes, junction and field effect transistors, sensors, AC and DC motors, and operational amplifiers. It also includes an introduction to robots and the automation cells that use robots. Laboratory exercises, both hands-on and simulation are integrated to reinforce the theory presented in lecture with practical applications.

Prerequisite(s): ENGN2005, ENGN2006, MATH1040 (or concurrent),

Corequisite: ENGN2011.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2011 Industrial Electronics Lab

Laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in Industrial Electronics, ENGN2010.

Prerequisite(s): ENGN2005, ENGN2006, MATH1040 (or concurrent),

Corequisite: ENGN2010.

Offered at Providence

1 Quarter Credit Hour

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.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

ENGN2025 Applied Mechanics I: Statics

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, PHY1015.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2030 Electronic Communications

This course introduces students to the theory and applications of electronic communications. Topics include review of electromagnetic theory and the principle of modulation and demodulation including amplitude, frequency and phase modulation. Principles of signal transmission and reception including DSB and SSB communication and description of basic hardware are covered. Computer simulations are used to illustrate various concepts regarding transmission and reception of signals, modulation and demodulation, and spectrum analysis of signals.

Prerequisite(s): ENGN2007, ENGN2008.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2032 Industrial Robotics

This course includes an introduction to industrial robots, work cell integration, and manufacturing concepts and control. Students will explore how robots integrate into industrial production and control and how communications among Computer Numerical Control (CNC) machines, sensors, and robots combine to make work cells. Laboratory exercises, both hands-on and simulation are integrated to reinforce the theory presented in lecture with practical applications.

Prerequisite(s): ENGN2000, ENGN2005, ENGN2006.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2035 Programmable Logic Controllers

This course is an introduction to programmable logic controllers (PLCs).

It focuses on how PLC's 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): ENGN2005, ENGN2006.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2045 Computer Vision

This course provides an introduction to the basic elements of computer vision to all majors. Emphasis is placed on intuitive and practical aspects of computer vision with very limited theory and math. The course involves intensive computer lab work and may include a project using the vision system of the "Mentor" robot that is used in the robotic course. The computer lab includes some applications in image processing.

Prerequisite(s): CSIS1020 or CSIS1101.

Offered at Providence

4.5 Quarter Credit Hours

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 are discussed. Some probability theory and Bayesian analysis is covered in the course. Illustration and projects use the Neural Network and Image Processing toolbox of MATLAB.

Prerequisite(s): CSIS1020 or CSIS1101, MATH1030.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2070 Signal Transmission

The course provides in-depth knowledge in both theory and applications of signaling and transmissions. Topics include signals, basic signal conversions, analog and digital signal transmissions, interfacing, switching principles and photonic switching.

Prerequisite(s): ITEC1020, MATH1020 or math placement.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2075 Microcontrollers I

This is an introductory course in microcontrollers. Topics covered include microcontroller architecture, instruction set, assembly language programming, subroutines, basic microcontroller peripherals, the interdependence of hardware and software, input/output subsystems, and microcontroller application development tools and platforms.

Prerequisite(s): ENGN1001, ENGN2002.

Offered at Providence

4.5 Quarter Credit Hours

ENGN2080 Microcontrollers II

This is an advanced course in microcontrollers. Topics covered include interrupts, high-level language programming, advanced microcontroller peripherals, interfacing concepts, and performance optimization.

Prerequisite(s): ENGN2075.

Offered at Providence

4.5 Quarter Credit Hours

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): CSIS1020, ENGN2075 or CSIS2023, ENGN2014.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

ENGN3004 Circuit Theory IV

This course focuses on the characteristics and application of field effect transistors (FETs). The terminology and symbols of FETs are examined. Amplifiers and switching circuit applications are included. Laboratory exercises, 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, ENGN2008, MATH2040.

Offered at Providence

4.5 Quarter Credit Hours

ENGN3005 Circuit Theory V

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): ENGN3004, MATH2040.

Offered at Providence

4.5 Quarter Credit Hours

ENGN3010 Mechatronics I

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, strategies to identify, localize and correct malfunctions.

Prerequisite(s): ENGN2010, ENGN2011, ENGN2035, ENGN2080.

Offered at Providence

4.5 Quarter Credit Hours

ENGN3015 Mechatronics II

This is a multi-disciplinary project-oriented course with emphasis on mechatronics applications. The course focus is on the integration of the core technologies on innovative mechatronic designs. Topics include, microcontroller technology and interfacing, analog and digital electronics, communication technology, control architectures, real-time programming, sensors, and manufacturing equipment.

Prerequisite(s): ENGN3010.

Offered at Providence

4.5 Quarter Credit Hours

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, PHY1015) or (SCI1011, SCI1041)).

Offered at Providence

4.5 Quarter Credit Hours

ENGN3035 Microelectronics Design

This is a project-oriented design course. Topics covered include contemporary design methodologies, prototyping platforms, programmable devices, hardware description language, and design, verification, and realizations of digital systems and their building blocks.

Prerequisite(s): ENGN2080, ENGN2085.

Offered at Providence

4.5 Quarter Credit Hours

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.

Prerequisite(s): ENGN2005, ENGN2006, MATH2043, ((PHY2022, PHY2025) or (SCI2012, SCI2042)).

Offered at Providence

4.5 Quarter Credit Hours

ENGN3051 Introduction to Process Control

This course is an introduction to the fundamental concepts of process control systems. Topics covered include the open-loop and closed-loop controls, interaction between controllers, sensors and actuators, and controller operating parameters. Feedback control systems are analyzed. The impact of the dynamics of the measurement and control processes on system transient response and stability is addressed. The study of PID controllers is also included.

Prerequisite(s): ENGN2010, ENGN2011, MATH2040.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

ENGN3055 Electronics Engineering Design and Prototyping

This is a course in electronics engineering development process. This is a project-oriented design course. Topics covered include the process of development and prototyping of various types of electronic systems starting from problem statement to final fabrication at system and board level.

Prerequisite(s): ENGN3005 (or concurrent).

Offered at Providence

4.5 Quarter Credit Hours

ENGN3075 Applied Fluid Mechanics

This is a course in the study of compressible and incompressible fluid statics and dynamics as applied to hydraulic and pneumatic pumps, motors, transmissions and controls.

Prerequisite(s): ENGN2010, ENGN2011, ENGN2035, PHY1011, PHY1015.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

ENGN4000 Standards/Codes and Ergonomics

This course is an introduction to standards and regulatory codes governing the design of buildings, 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 design buildings, products and manufacturing procedures.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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): Senior status.

Offered at Providence

4.5 Quarter Credit Hours

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.

Prerequisite(s): MATH2043.

Offered at Providence

4.5 Quarter Credit Hours

ENGN4060 Embedded Systems Design I

This is the first course in embedded systems design. This is a project-oriented course in which classroom topics are explored through in-depth experiences in substantial design projects. Topics covered include hardware and software co-development, reuse, verification, and realization of digital intellectual property.

Prerequisite(s): ENGN3035.

Offered at Providence

4.5 Quarter Credit Hours

ENGN4065 Embedded Systems Design II

This is the second course in embedded systems design. This is an advanced project-oriented course, which involves extensive design projects. Topics covered include design of digital intellectual property for embedded systems, design of memory systems, and software hardware design tradeoffs.

Prerequisite(s): ENGN4060.

Offered at Providence

4.5 Quarter Credit Hours

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 is covered. Concepts in automation will be covered, including manufacturing systems and elements in work cell.

Prerequisite(s): ENGN3015.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

English (ENG) Courses

ENG0001 Writing Workshop

This course affords an opportunity to students to complete the Graduation Writing Requirement at Johnson & Wales University. Students will review sentence structure, paragraph development and essay organization with the goal of applying these skills to the classroom and the workplace.

Prerequisite(s): Writing proficiency assessed as unsatisfactory in ENG1021. (HY) (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

0 Quarter Credit Hours

ENG1020 English Composition

This course provides students with basic writing skills in a variety of genres and contexts. Instruction begins with a review of the fundamentals of writing through the use of personal narratives. The focus widens to forms of public writing, including informative and research-based writing. Research techniques and MLA documentation are covered. Class work includes lecture, writing workshops, and peer critique. Course requirements include five or six different writing projects as well as a final exam. (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENG1021 Advanced Composition and Communication

This course is a continuation of ENG1020 English Composition. Building on the research and audience skills from ENG1020, students develop more complex and rhetorically advanced papers. All work – written and oral – is aimed at persuading an audience. Instruction begins with the essential components of a logically constructed and articulated argument. Critical thinking skills are reinforced throughout the course as students develop, peer critique, and present projects to the class. Research and MLA skills are expected of students, and all projects require research from a variety of sources.

Prerequisite(s): ENG1020 or ENG1024 or English placement. (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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. (SL) (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENG2010 Technical Writing

This course focuses on a practical approach to technical exposition, such as proposals, project reports, feasibility studies, abstracts, and technical correspondence delivered in both hard copy and electronic formats.

Prerequisite(s): ENG1020 or ENG1024 or English placement. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENG2030 Introduction to Newsriting

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. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

ENG2500 Histories and Theories of Rhetoric and Composition

This course serves as an introduction to rhetorical theory and composition studies, with a focus on the ways in which educational and other societal practices have affected persuasion in speaking and writing. Through close readings of major works, students explore how the field has evolved from the teachings of ancient Greek and Roman rhetoricians to contemporary composition scholars. Students discuss works such as Aristotle's Rhetoric and Peter Elbow's Writing Without Teachers, analyzing the effect that key scholars in rhetoric and composition have had on contemporary writing practices. Course work includes designing assignments and constructing projects that focus on the ways in which rhetoric functions in daily life as well as on how educational practices in the teaching of writing and speaking have changed over time.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

ENG2540 History of English Grammar

This course allows students to develop a greater appreciation and understanding of English grammar, ultimately making them better writers. English grammar is examined, focusing on its history and development; transformation to a global language; reflection of cultural, social, racial and gender diversity; and an exploration of specific grammar and usage issues that develop the ability to use English effectively.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence
4.5 Quarter Credit Hours

ENG3012 Report and Proposal Writing

This course prepares students to write effective reports and proposals in a variety of workplace environments including business and industry, government, academic and nonprofit. Students learn to analyze the needs of various audiences including clients, supervisors, and investors or funding agencies, and apply the appropriate rhetorical conventions to create a range of informative and/or persuasive documents. Communication tasks include written reports, proposals and related correspondence, as well as oral presentation.

Prerequisite(s): ENG1021 or ENG1027, ENG2010. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ENG3014 Instruction and Manual Writing

This course prepares students to plan, construct, test and revise documents that enable users to perform tasks effectively. Students apply principles of iterative development including audience/user analysis, usability testing, and test-based revision to produce instructional materials such as training manuals, operating instructions, or online product documentation for specific users in a variety of workplace environments.

Prerequisite(s): ENG1021 or ENG1027, ENG2010. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ENG3030 Introduction to Food Writing

This course provides students with an opportunity to concentrate on food writing for cookbooks, magazines, newspapers and websites. Students are introduced to the protocol for getting published while learning how to develop and compose food stories and restaurant reviews. Subjects taught include interview techniques, query letters and tailoring food articles to various publications.

Prerequisite(s): ENG1021 or ENG1027. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ENG3050 Introduction to Travel Writing

Students focus on the history of travel writing, article writing as a specific commercial genre, research skills, descriptive personal narrative, and integrating works with various forms of mixed media including: photography, computer graphics, and maps. This course explores the reasons and mediums for travel writing.

Prerequisite(s): ENG1021 or ENG1027, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence

4.5 Quarter Credit Hours

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, Denver, Providence

4.5 Quarter Credit Hours

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, Denver, Providence

4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence

4.5 Quarter Credit Hours

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 we will study as models.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Denver, Providence

4.5 Quarter Credit Hours

ENG3899 English: Writing and Literature Internship

Students may choose an internship in a variety of fields, such as media communications or marketing, and in many settings, including publishing, government or nonprofit agencies, or others related to their interests. Internship assignments provide opportunities for students to gain real-world experience by applying their skills and knowledge to meet the needs of a government, business or community organization.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, and 2) have completed 90 hours of course work.

Offered at Charlotte, Denver, Providence
4.5-13.5 Quarter Credit Hours

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 Charlotte, Denver, Providence
4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence
4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence
4.5 Quarter Credit Hours

English as a Second Lang (ESL) Courses

ESL1010 Beginner-Level Oral Communication

This course provides students with the opportunity to build aural/oral confidence at the beginner to advanced-beginner level. Students use text and audio materials to develop vocabulary and speech patterns and to practice basic dialogs. Discrete listening is reinforced through dictation exercise.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1011 Beginner-Level Grammar

This course introduces and/or reviews present, past and future forms of verbs, including the verb "be". Other grammatical components including nouns and pronouns, time expressions and sentence structure are also examined.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1012 Beginner-Level Reading

This course teaches students to improve their reading skills by deriving meaning from context. It also develops students' skimming and scanning skills and increases vocabulary and comprehension.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1013 Beginner-Level Writing

This course provides students with the skills necessary to compose, revise and edit paragraphs using a process-writing approach. Emphasis is placed on narration and description, as well as on sentence construction, syntax and punctuation. Students are introduced to critiquing paragraphs using model rubrics. Constructive feedback through teacher conferencing is provided throughout the course.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1020 Intermediate-Level Oral Communication

In ESL 1020, students develop language, vocabulary, and listening and note-taking skills. They create presentations with a focus on topic choice and idea development. Through classroom discussions, they also begin to apply critical thinking skills to formulate and express their own opinions and to explore their own and other points of view on a variety of relevant topics.

Prerequisite(s): Successful completion of ESL1010 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1021 Intermediate-Level Grammar

This course introduces and/or reviews verb tenses and other grammatical components. Through pair work, group work, and exercise completion, 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 ESL1011 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1022 Intermediate-Level Reading

This course allows students to practice intermediate reading skills so they are able to read more accurately and rapidly. The class also leads students to read from a critical perspective. In addition, students focus on understanding new vocabulary in context and on vocabulary building. The basic elements of fiction are introduced.

Prerequisite(s): Successful completion of ESL1012 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1023 Intermediate-Level Writing

This course provides students with the skills necessary to compose, revise and edit paragraphs and one essay using a process-writing approach. Emphasis is placed on narrative, descriptive, comparison and contrast, and/or cause and effect rhetorical strategies. Constructive feedback through peer and teacher conferencing is provided throughout the course.

Prerequisite(s): Successful completion of ESL1013 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1030 Advanced-Level Oral Communications

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 are critically integrated into discussions.

Prerequisite(s): Successful completion of ESL1020 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1031 Advanced-Level Grammar

This course develops students' grammar skills through contextualized exercises. The content emphasis is on developing grammatical structures used in students' academic studies.

Prerequisite(s): Successful completion of ESL1021 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1032 Advanced-Level Reading

This course prepares students for college-level reading. Using a variety of readings, students practice before-, during- and post-reading comprehension skills and gain advanced critical understanding of fiction and nonfiction texts.

Prerequisite(s): Successful completion of ESL1022 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

ESL1033 Advanced-Level Writing

This course provides students with the skills necessary to compose, revise and edit essays using a process-writing approach. Emphasis is placed on various academic rhetorical strategies, including narrative, comparison and contrast, cause and effect, argumentative, and/or problem and solution. Research techniques and MLA documentation are introduced. Constructive feedback through peer and teacher conferencing is provided throughout the course.

Prerequisite(s): Successful completion of ESL1023 or appropriate placement exam.

Offered at North Miami, Providence

4.5 Quarter Credit Hours

Entrepreneurship (ENTR) Courses

ENTR1001 Introduction to Entrepreneurship

This is an introductory course in entrepreneurship, demonstrating how entrepreneurs recognize business opportunities, develop ideas and identify markets. Students will learn about different entrepreneurial business models, business planning, the components of a vibrant entrepreneurial ecosystem, and the crucial role of entrepreneurs to business and society. This course will also introduce students to the university's business pitch contest as well as other resources available on and off campus. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENTR2030 Pitching & Planning New Ventures

This course teaches students how to develop and present a business plan for ventures they may launch. Students will learn about the contents of a business plan, the importance of concise executive summaries and presentations, and how entrepreneurial ventures must adjust their business plans as they receive feedback from the real-world.

Prerequisite(s): ENTR1001. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENTR3010 Small Business Consulting

This course is conducted as an independent study. Participants in the program formulate an agreed-upon plan with their sponsor and educator to counsel small businesses on problems dealing with marketing/sales, management, finance/accounting, and other relevant tactical/strategic issues.

Prerequisite(s): ENTR2040 or ENTR3060.

Offered at Charlotte, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

ENTR3015 Small Business Management

This course compares small, medium and large business organizations to ascertain the different approaches to resource acquisition, both capital and human; internal and external communication; structural design and efficacy; community involvement; research and development of products and services; governance; and strategic planning and initiatives. The course provides participants with the opportunity to see first-hand the workings of a small, medium and large business. Guest speakers are invited to explain and discuss their experiences working and leading these organizations.

Prerequisite(s): MGMT2001, sophomore status. (OL)

Offered at Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

ENTR3030 Marketing for Entrepreneurs

This course prepares students to effectively conduct market research and engage in marketing for small businesses and start-ups. Focus is on providing students with tools to evaluate business opportunities and make better decisions based on appropriate research methods. Topics include the importance of positioning and verbal branding as a necessary skill for entrepreneurs as they begin their ventures and discuss their new ideas with others.

Prerequisite(s): ENTR2030 or ENTR3015. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENTR3040 Internet Entrepreneurship

This multidisciplinary course presents students from the School of Engineering & Design and the School of Business with the opportunity to work in focused, collaborative teams on a real-world technology/business problem. Students perform market research, create business plans and prototype innovative technical solutions.

Prerequisite(s): ENTR2030 or ENTR3015, permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

ENTR3050 Forming & Launching New Ventures

This course allows students the opportunity to study the business, legal and tactical issues surrounding the formation and launch of new business ventures. Topics include identifying and protecting intellectual property, selecting and forming business entities, recruiting and motivating teams, exploring and complying with the regulatory environment, and spotting and mitigating risks. This course can be used to help bring life to a business plan developed in the Pitching & Planning New Ventures course.

Prerequisite(s): ENTR2030. (OL)

Offered at Charlotte, Online, Providence

4.5 Quarter Credit Hours

ENTR3060 Financing New Ventures

This course covers the business, legal and tactical issues surrounding the financing of new business ventures. Topics include determining how much capital new ventures need, identifying potential sources of that capital and evaluating different financing structures. In addition to studying the economics behind early-stage financings, students engage in mock negotiations and consider early-stage investments being made in the real world.

Prerequisite(s): ENTR2030. (OL)

Offered at Charlotte, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENTR4050 Food & Beverage Ventures Capstone

This course allows students to apply the knowledge gained in their previous coursework while covering case studies that focus on food- and beverage-related ventures and issues, and engaging in entrepreneurship simulations. Students also consider major problems and opportunities in the food- and beverage-related industries as well as how entrepreneurs might solve those problems and capitalize on those opportunities.

Prerequisite(s): ENTR2040 or ENTR3050 or ENTR3060. (OL)

Offered at Charlotte, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ENTR4055 Entrepreneurship Seminar

This is the Entrepreneurship capstone course that requires students to synthesize knowledge gained from previous coursework to create a viable business plan. Students integrate financing, marketing, operations, business strategy and other key areas to produce a business plan that can be presented to various audiences.

Prerequisite(s): ENTR3015, HOSP4060 or MGMT4020. (OL)

Offered at Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

ENTR4099 Entrepreneurship Internship

The Entrepreneurship Internship offers students an experiential learning opportunity in business environments. Students study firsthand the challenges, nuances and everyday expectations associated with a variety of entrepreneurship functions within a business. They are expected to apply previous course work and research to onsite tasks. Through the internship and reflective assignments, students improve their understanding of what it takes to start, work in, and manage a local, national or global business. Students gain academic credit for work experience in entrepreneurship.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor. (OL)

Offered at Charlotte, Online, Providence

4.5-13.5 Quarter Credit Hours

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; identification; equine behavior; and psychology of the horse. Laboratory skills acquisition in horse management techniques include safe handling, restraint, lunging and horse maintenance procedures.

Offered at Providence

4.5 Quarter Credit Hours

EQN1010 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, muscular, endocrine, reproductive and urinary systems. The scientific conditioning of the horse for sports activities is studied with emphasis on the prevention of stress and the utilization of therapeutic modalities in the treatment of injuries.

Offered at Providence

4.5 Quarter Credit Hours

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.

Offered at Providence

4.5 Quarter Credit Hours

EQN1080 Equine Management Lab I

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

2.25 Quarter Credit Hours

EQN1100 Fundamentals Of Collegiate Riding

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 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 a placement course for freshmen students. Student proficiency determines next course placement.

Offered at Providence

1.5 Quarter Credit Hours

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. Lunge 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. Students may repeat this course for credit. Student proficiency is determined by United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN1210 Intermediate Combined Training I

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 are used to improve the rider's skills and accuracy. Basic gridwork and jumping small courses of 2'0" is 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 United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN1220 Intermediate Combined Training II

This course is designed to focus on training level movements, test riding and improving skills over 2'3" courses. The rider's skills improve through work in all gaits and over fences. Students focus on warming up the horse correctly and developing the skills to improve the training of the rider and horse. Students focus on progressive development of the horse and rider. Students continue to improve control and develop style both on the flat and over fences. Strength and suppleness of rider are analyzed and addressed. Work without stirrups helps riders gain confidence and improved balance. Students work to master skills on a variety of horses on the flat and over fences. Students may repeat this course for credit. Student proficiency is measured by United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

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.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN2000 Equine Diseases

The purpose of this course is to provide an understanding of the common ailments of the horse. Through knowledge of disease-producing organisms, signs of illness and vaccines, the student is prepared to recognize and prevent health problems. Also covered are common pharmaceuticals, emergency health care and parasitology.

Prerequisite(s): EQN1010.

Offered at Providence

4.5 Quarter Credit Hours

EQN2010 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, EQN1010.

Offered at Providence

4.5 Quarter Credit Hours

EQN2074 Equine Facilities and Management Laboratory

This course covers a wide range of topics important to developing and managing an equine facility and horse herd. Farm facility design is analyzed and developed for efficient layout. Students participate in laboratory sections emphasizing horse care and management techniques, including bandaging, first aid, fecal examination, trailering, and preparing and presenting a sport horse.

Prerequisite(s): EQN1080, EQN2000, sophomore status.

Offered at Providence

4.5 Quarter Credit Hours

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 3- and 4-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 United States Equestrian Federation or United States Dressage Federation test, to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

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 is 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 United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN2120 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 United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN2130 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 United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN2210 Advanced Combined Training I

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 is 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 United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN2220 Advanced Combined Training II

This course is for advanced students to strengthen their skills in dressage by working on first and second level movements. Students jump courses 2'6"-3'0" designed to focus on building confidence, skills and effectiveness. Instruction focuses on exercises requiring varying degrees of the application of aids and the coordinated timing of the aids, helping the rider develop a feel for training. Horse and rider strength and athleticism are increased by progressive training, cavaletti and jumping exercises. Training concepts are explored and the international influence is analyzed. Students work to master skills on a variety of horses on the flat and over fences. Student proficiency is measured by United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN2320 Hunter Seat Equitation Novice

This course continues to refine the techniques learned in EQN 1310. 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.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN3000 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): Junior status.

Offered at Providence

4.5 Quarter Credit Hours

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): EQN3000, permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

EQN3002 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 intermediate and advanced lesson planning and practice teaching. Various teaching methodologies are discussed and the student develops skills in motion mediation of the rider. Training techniques for challenging situations are explored and implemented. This course also prepares students for the American Riding Instructor's Certification Program (ARICP) testing.

Prerequisite(s): EQN3001, permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

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.

Prerequisite(s): Junior status.

Offered at Providence

4.5 Quarter Credit Hours

EQN3030 Horse Show Management

This course covers the management of horse shows from selection of the site and type of show to implementation of the general rules as outlined in the United States Equestrian Federation Rule Book. Students develop a management plan for a competition from a division in the USEF rule book. Students also actively participate in running a show including facility preparation, development of a prize list, scheduling, scoring and running a dressage and jumping competition. This course covers the management of horse shows with students planning and running a show. Topics include facility preparation, public services, show personnel, promotion, development of a prize list, scheduling and final reporting of results.

Prerequisite(s): EQN1020.

Offered at Providence

4.5 Quarter Credit Hours

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 are 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, EQN2000.

Offered at Providence

4.5 Quarter Credit Hours

EQN3070 Horse Training

This course addresses the theory and methodology of training horses for the sport horse industry. Students participate in video reviews and discussions of classical and alternate training theories. Practical use of training techniques is addressed. This course is offered during the summer term only.

Prerequisite(s): Permission of department chair.

Offered at Providence

4.5 Quarter Credit Hours

EQN3080 Movement Training for Rider

This course introduces theories on balance in motion for the rider utilizing Eckart Meyner's model and other exercise modalities. Focus is on the rider warm-up and specific exercises to unblock the rider. Types of stretching and flexibility are discussed along with selected topics in exercise physiology.

Prerequisite(s): Junior status.

Offered at Providence

1.5 Quarter Credit Hours

EQN3140 Fourth Level and FEI Dressage

This course is for the advanced dressage rider that 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 United States Equestrian Federation or United States Dressage Federation test to determine next course placement.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

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". USEF 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.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

EQN3400 Foundations of Training

This course integrates knowledge from foundational equine courses, including equine anatomy, physiology, lameness, selection, conformation, handling technique and riding theory, to clarify training and development of the equine. An understanding of the equine mind, physiology and locomotion is emphasized to develop proper handling and training methods. Training theories, methods and equipment commonly used in the equine industry are explored and evaluated for consistency with standards for safety, equine health, soundness and effectiveness. Principles of ground work, developing the young or untrained horse, retraining the problem horse, and discipline similarities and differences are presented. Course content brings awareness to effectiveness and ethics associated with different training methods.

Prerequisite(s): EQN2074.

Offered at Providence

4.5 Quarter Credit Hours

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): EQN2010, junior status.

Offered at Providence

4.5 Quarter Credit Hours

EQN4087 Equine International Experience

This group of courses 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 Münster, Germany. Students studying in Münster are eligible to take the small and large bronze 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.

Offered at Providence

4.5 Quarter Credit Hours

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 small and large bronze 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 must be riding at first-level dressage prior to application to this program and be in good academic standing.

Offered at Providence

9 Quarter Credit Hours

EQN4099 Equine Internship

Students in their senior year may elect to participate in a work experience related to their career goals. Students are placed by the university at training barns, breeding farms, veterinary clinics, breed associations, equine public relations firms, or other businesses representative of the horse industry.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Providence

4.5-15 Quarter Credit Hours

EQN4115 Special Topics in Equine Studies I

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 will be required.

Prerequisite(s): Permission of department chair.

Offered at Providence

1.5 Quarter Credit Hours

EQN4145 Spcl Topics in Equine Stud I

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.

Prerequisite(s): Permission of department chair.

Offered at Providence

4.5 Quarter Credit Hours

EQN4215 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 will be required.

Prerequisite(s): Permission of department chair.

Offered at Providence

1.5 Quarter Credit Hours

EQN4315 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 will be required.

Prerequisite(s): Permission of department chair.

Offered at Providence

1.5 Quarter Credit Hours

EQN4340 Hunter Seat Equitation Open

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.

Prerequisite(s): Permission of instructor.

Offered at Providence

1.5 Quarter Credit Hours

Event (EVNT) Courses

EVNT6000 Event Leadership and Planning

This advanced course enables students to gain competence in the specific techniques used by professional event leaders to lead events through the phases of research, design, planning, coordination and evaluation. Students assess the marketing opportunities: legal, ethical and risk management issues, and technological advances within the profession.

Prerequisite(s): FISV5600, completion of required foundation courses. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

EVNT6020 Event Operations and 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. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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, concept questions and problem solving. Students are exposed to 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. The use of spreadsheets in applications such as Excel is an emphasis in this course.

Prerequisite(s): ACCT1220 or ACCT3023, FIT1003. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

FISV2012 Introduction to Financial Institutions

This course serves as an introduction to financial services, financial markets and financial institutions. The banking, brokerage, insurance and investment industries are described and analyzed. In addition, the economic environment of financial institutions is addressed with focus on the regulatory framework and the tax environment.

Prerequisite(s): ACCT1210 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021).

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 or FISV2010.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021). (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

FISV3010 Credit 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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021).

Offered at Charlotte, Providence, Providence CE

4.5 Quarter Credit Hours

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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021).

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

FISV3040 Money and Capital Markets

The purpose of this course is to provide the student with knowledge of a broad range of subjects related to the nature and functions of money and credit. 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 and the effects of these changes on the flow of funds and monetary policy implementation by the Federal Reserve System 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.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 (ACCT3023 and ACCT1007), (FISV2000 or FISV2010).

Offered at Charlotte, Providence, Providence CE

4.5 Quarter Credit Hours

FISV3199 Experiential Education Projects in Financial Modeling and Valuation

This course aims to provide students with the skills and knowledge required to be successful in today's fast-paced and highly regulated financial environment. The key benefit for students taking this course is the experiential education they receive by developing (from scratch) a comprehensive three-statement Financial and Valuation Model using various supporting schedules, real-time company and employing the same tools and methodologies they would on the job to a variety of analyses commonly performed by investment bank and financial analysts. Students complete eight hours of advanced Excel training, followed by a two-day seminar conducted by an industry-recognized leader (Wall Street Prep) in Financial Modeling and Valuation. Students develop leadership and collaborative abilities and refine critical thinking, problem-solving and active citizenship skills. The course culminates in a formal presentation to the Finance & Investment Academy. This course uses experiential learning as a primary method of achieving the course objectives.

Prerequisite(s): ACCT1007 or ACCT1220, (ACCT2023, ACCT3040) or (FISV3001, FISV3040), 90 credit hours of completed coursework.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 Providence, Providence CE

4.5 Quarter Credit Hours

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 or (ACCT1007 or ACCT2002 or ACCT1202 or ACCT1002 or ACCT10021 or ACCT1022 or ACCT10021).

Offered at Charlotte, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 ACCT3031 or (ACCT3023 and ACCT1007), (FISV2000 or FISV2010).

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 or 2010.

Offered at Charlotte, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

FISV4070 Series 7 Securities

This course prepares students to sit for the NASD Series 7 examination or those who plan to pursue a career in the financial services industry. The Series 7 exam qualifies people who are interested in gaining employment as a General Securities Registered Representative, enabling that individual to sell stocks, bonds and options. Topics include: equities, debt/bonds, options, trading markets, regulations, tax laws, investment companies and initial public offerings.

Prerequisite(s): FISV3001.

Offered at Providence, Providence CE

9 Quarter Credit Hours

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 (ACCT3023 and ACCT1007), FISV2012, FISV3001, FISV4025, senior status.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

FISV4099 Finance Internship

The Finance Internship offers students an experiential learning opportunity in diverse business environments. Students study firsthand the challenges, nuances and everyday expectations associated with a variety of financial functions within a business. They are expected to apply previous course work and research to onsite tasks. Through the internship and reflective assignments, students improve their understanding of financial issues within a local, national or global business. Students gain academic credit for work experience in management.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Charlotte, Providence, Providence CE

4.5-13.5 Quarter Credit Hours

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 the course is to prepare the graduate student for advanced coverage of topics in the financial management course. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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 compliment the client's comprehensive financial plan.

Prerequisite(s): FISV5410. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

FISV5526 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. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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): Completion of required foundation courses. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

FISV6020 Tax Planning for the Financial Manager

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. The student explores 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 on effective planning in the overall financial scheme.

Prerequisite(s): FISV5600.

Offered at Providence

4.5 Quarter Credit Hours

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): FISV5526. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

FISV6060 Managing Capital Markets

This course offers students a practical approach to understanding the best way to finance a firm for the needs outlined by management. Students learn how to manage a banking relationship and research various methods to finance a company's strategic plan. Discussions center on companies that expand and those that downsize their businesses.

Prerequisite(s): FISV5600. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

FISV6480 Capstone for Certified Financial Planners

This is the capstone course for the financial planning track, integrating the material learned in prior financial planning courses. This course is primarily structured as a casework course. Weekly cases are designed to closely reflect the types of client situations students may encounter as financial planners and when sitting for their CFP(R) certification examination. Each case will contain financial planning, insurance, investment, tax, retirement, employee benefit and estate planning issues, reflecting the complexities of real life clients.

Prerequisite(s): ACCT6410, FISV5410, FISV5420, FISV5430, FISV5526, FISV5600, FISV6056. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

Food Service Management (FSM) Courses

FSM1001 Introduction to the Food Service Field

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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

FSM1065 Food Safety and Sanitation Management

Students explore the fundamentals of food safety and environmental sanitation. Students will 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 a national food safety manager certification exam that is recognized by the Conference for Food Protection (CFP) to fulfill the graduation requirement. (HY)

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
1.5 Quarter Credit Hours

FSM2005 Technology in the Food and Beverage Industry

This course prepares students for the current trends in food service technologies. Emphasis is placed on emerging technologies used in the industry from both a managerial and strategic perspective.

Prerequisite(s): FIT1003 (or concurrent). (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
2.25 Quarter Credit Hours

FSM2010 Medical Food Service

This course introduces students to the principles of food service management in health care organizations. The food service manager's involvement in patient care and related areas of health care organizations is examined.

Offered at Denver, Providence
4.5 Quarter Credit Hours

FSM2025 Food and Beverage Cost Control

Food & 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. (HY) (OL)
Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

FSM2045 Introduction to Menu Planning and Cost Controls

This course allows the student to learn and apply the skills of professional menu development while learning the importance and use of the proper tools and documents needed to control food and beverage costs and analyze sales. This course introduces various food service concepts, explores labor and overhead expenses and introduces the income statement as a method of evaluating business success.

Prerequisite(s): MATH0010 (or concurrent) or math placement, sophomore status. (HY) (OL)
Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

FSM2065 Food and Beverage in the Hospitality Industry

This course introduces students to the significance of food and beverage as it relates to the hospitality 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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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.
Prerequisite(s): ACCT1210 or ACCT2004 (or concurrent).
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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.
Prerequisite(s): SEE1001.
Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

FSM3001 Food Service Management Systems and Human Resource Applications

This course prepares students to apply sound human resource management principles to situations encountered within the hospitality industry. Students examine the complex and integrated nature of the hospitality industry and how various segments, such as lodging and tourism, impact the operation of food service establishments.
Prerequisite(s): BPA2626 or CUL2626 or CUL2386. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)
Offered at Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

FSM3022 Baking Science

This upper-level laboratory course focuses on the functionality of ingredients in baking and pastry applications. Students learn about ingredients and their interactions through lecture, exercises, and hands-on execution of controlled experiments. Emphasis is placed on the chemical and physical structure of ingredients and how this affects their function in foods. This course is conducted in a non-production laboratory and includes the assessment of food quality.
Prerequisite(s): Junior status.
Offered at Providence
4.5 Quarter Credit Hours

FSM3025 Food Science

This course emphasizes the scientific method and the chemical and physical changes that occur during preparation, processing, and storage of food products. It is conducted in a non-production laboratory and includes the assessment of food quality.
Offered at Charlotte, Denver, Providence
4.5 Quarter Credit Hours

FSM3030 Facilities Design and Analysis

This intermediate course introduces students to the fundamentals of facilities planning for the commercial, institutional and industrial food service industry. Students are introduced to the need for proper planning, layout and design of production and service areas. Students become familiar with computer systems designed in restaurant planning. The major portion of the course is student involvement in individual projects on kitchen layout.
Prerequisite(s): FSM1001 or HOSP1001 or SEE1001 or Associate degree in Culinary Arts or Baking Pastry Arts.
Offered at Denver, Providence, Providence CE
4.5 Quarter Credit Hours

FSM3035 Supervision for Food Service Professionals

This course is designed to allow the student to learn and to explore human resource management theory and procedures as it applies 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 current labor legislation law are discussed as they apply to preparing future chefs and managers for successful leadership roles in the food service industry.
Offered at Denver, Providence, Providence CE
4.5 Quarter Credit Hours

FSM3040 Food Service Financial Systems

Students 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.
Offered at Charlotte, Denver, Providence
4.5 Quarter Credit Hours

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.
Prerequisite(s): FSM2080 or FSM2180 or FSM3001 or SEE3008. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): FSM3001 or HOSP2011, junior status. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

FSM3080 Food & Beverage Marketing and Distribution

This course introduces students to the many facets of food marketing in commercial applications. Students will explore the various segments of the food and beverage marketing industry, including marketing for food and beverage manufacturing and distribution companies. Special emphasis will be placed on the integration of food service and marketing competencies.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

FSM3099 Food Service Management Internship

This internship provides the opportunity for the application of acquired skills and knowledge in the food and beverage industry setting.

Prerequisite(s): FSM1065 or approved sanitation certificate, to be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 during the entire pre-program application process, and 2) have completed 90 hours of course work.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

13.5 Quarter Credit Hours

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): FSM2080 or FSM3001 or SEE3008. (HY) (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

FSM4060 Hospitality Operations Management

This upper-level capstone course combines a working knowledge of food production techniques and management skills necessary to operate a food service facility. Students further enhance these skills in a small-quantity food service setting in which they have full control over the food service operation.

Prerequisite(s): FSM1065 or approved sanitation certificate (or concurrent), FSM2080, senior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

9 Quarter Credit Hours

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): FSM1065 or approved sanitation certificate (or concurrent), FSM2080 or FSM3099 or FSM3001, senior status. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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): CUL1365 or FSM2055 or MRKT1001. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

FSM4099 Food Service Management Internship

Students in the Baking and Pastry Arts & Food Service Management (BPAFSM) or Culinary Arts & Food Service Management (CAFSM) programs may apply for a selective internship assignment in an approved food and/or beverage operation. This internship allows students to gain academic credit for work experience within their chosen profession under the supervision of qualified industry personnel. Students will acquire an understanding of food/beverage production and daily operational duties from a management perspective through observation and participation. Successful completion of this term-long course, gives students a deeper understanding of the demands and expectations of a management role within their chosen field.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA during the entire pre-program application process for a domestic internship or a 3.25 cumulative GPA for an international internship, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have an Associate degree in Baking Pastry Arts or in Culinary Arts.

Offered at Providence, Providence CE

4.5-13.5 Quarter Credit Hours

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. The course is designed to develop the critical thinking and decision-making skills of the student 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): FISV2000, FSM3075 or MRKT1001. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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): CUL4045 or FSM4070. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

Foundations in Tech (FIT) Courses

FIT1000 Information Technology for Business Professionals

This course provides basic understanding of computer software, policies and procedures necessary for business professionals. Students gain practical knowledge of operations and terminology as well as hands-on use of personal information management systems, word processing, and digital presentations. Students are also introduced to using databases as a decision-making tool. Computer-based assessment software may be used as both a learning and skills measurement tool. (HY)

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

FIT1003 Introduction to Excel

This course is designed as an introduction to the basic skills and tools used when working with spreadsheets. Topics include creating and editing worksheets, charting data, basic formulas and functions, and working with tables. Computer-based assessment software is used as both a learning and skills measurement tool. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

2.25 Quarter Credit Hours

FIT1012 Digital Technology for Business

This course focuses on the practical use of technology tools in the digital workplace. Students gain hands-on experience in an introduction to scripting and program languages, Digital Citizenship, basic technical literacy, collaboration tools, mobile connectivity and other technical solutions. Student learning is focused on project-based solutions to realistic workplace scenarios.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

FIT1013 Excel for Accounting & Finance

In this case-based course, students use the spreadsheet skills acquired in FIT1003 (part 1) and apply those skills to problem-solving cases. Students focus on financial documents such as budgets, balance sheets, income statements and loan amortization schedules.

Prerequisite(s): FIT1003.

Offered at Charlotte, Providence, Providence CE

2.25 Quarter Credit Hours

FIT1014 Solving Business Problems with Technology

Students gain advanced experience in core technology topics as well as new topics relevant to the technology field. Additional topics may include introduction to scripting and programming languages, databases and data mining, and contemporary digital presentation environments. Student learning is focused on project-based solutions to realistic workplace scenarios.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

FIT1025 Engineering Tools for Problem Solving

This First-Year Engineering course is designed as an introduction to the techniques and tools used in solving engineering problems. The topics of data analysis and presentation of technical results are stressed. Formula construction and graphing techniques are developed through the use of software applications. Programming in MATLAB, and simulation of electronic circuits are included. Team problem solving activities and oral and written technical communication are a major focus of the class.

Offered at Providence

2 Quarter Credit Hours

FIT1040 Spreadsheet Design for Business Solutions

Students gain 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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

FIT1050 Digital Technology for the Creative Industries

This course focuses on the core concepts and software technologies at the heart any creative industries profession. Students gain hands-on experience in digital citizenship, basic technical literacy, the fundamentals of relevant software applications and online resources. Project-based solutions often in the context of workplace scenarios drive student learning.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

FIT2020 Integrated Computer Business Applications

This course presents intermediate and advanced microcomputer applications skills chosen on the basis of demand in local markets. A major part of the course involves "hands-on" laboratory use of software for managing graphic, numerical or text-based data in "what if" business simulations with emphasis placed in spreadsheet and word-processing software. Other business software may also be explored. Computer-based assessment software may be used as both a learning and skills measurement tool.

Prerequisite(s): FIT1000, FIT1040 or FIT1014

Offered at North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

FIT2030 Access Database Design for Business Solutions

Students gain a working knowledge of database concepts and design and apply skills to problem-solving cases. Computer-based assessment software may be used as both a learning and skills measurement tool.

Offered at North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

FIT2040 Emerging Technologies in the Workplace

This course introduces students to how social media has evolved and how it can be used as an effective tool to enhance and develop business marketing and sales. Social media has established itself as the pre-eminent focal point for social interaction using web-based technologies, with people generating their own content, social commentary and opinions reaching a wide audience through friends, recommendations and same interest groups. Businesses from small to large are using social media to engage with their customers on an entirely new level, helping promote their products and services and keep in touch with them on a personal level. Social media is displacing the established leaders as major traffic drivers for new business.

Offered at North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

FREN1002 Conversational French II

This lower, intermediate-level course is designed to further develop conversational ability by expanding both the vocabulary and exposure to French-speaking cultures. This course concentrates greatly on advanced verb forms and idiomatic expressions.

Prerequisite(s): FREN1001 or language placement.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

FREN2001 Conversational French III

This advanced intermediate course is designed to perfect the usage of advanced grammar through extensive conversational drill, directed reading, composition and laboratory practice.

Prerequisite(s): FREN1002 or language placement.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

German (GER) Courses**GER1001 Conversational German I**

This course is an introduction to the German 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, Providence CE

4.5 Quarter Credit Hours

GER1002 Conversational German II

This course is for advanced beginners in German language, building upon the basic speaking, listening, reading and writing skills covered in German I. Students' vocabulary is expanded to 2,000 commonly used vocabulary words used in conjunction with the present and perfect tenses, adjectives and adverbs. In addition to grammar, students are exposed to many aspects of life in present-day Germany, Switzerland and Austria.

Prerequisite(s): GER1001 or language placement.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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 will be exposed to the many aspects of life in present-day Germany, Switzerland and Austria.

Prerequisite(s): GER1002 or language placement.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

Graduate Studies (GRAD) Courses

GRAD6041 Graduate Special Topics

This course examines an area of study in the General MBA program. Focus is on a topic or a current problem or issue facing the business world.

Prerequisite(s): Varies, depending on course content.

Offered at Providence

4.5 Quarter Credit Hours

GRAD6800 Graduate Internship

In this capstone experience for graduate students, experiential learning takes place in diverse industry settings commensurate with the student's prior experience and area of interest. Upon completion of a selective application and acceptance process, students perform in the workplace while simultaneously preparing a graduate-level report and presentation. Academic credit is awarded for this hands-on paid or unpaid experience, which can take place domestically or internationally.

Prerequisite(s): Completion of a minimum of 45 credits by the commencement of the internship, 3.5 cumulative GPA.

Offered at Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

1.5 Quarter Credit Hours

HSC1110 Determinants of Health I

This is the first course in a two-course series designed to give students an overview of the determinants of health and wellness as prescribed by the Centers for Disease Control (CDC) and the World Health Organization (WHO). Additional, supporting topics such as the structure and function of the U.S. healthcare system and complimentary/nontraditional approaches to health and wellness are addressed. Emphasis is on the essential interrelationships between healthcare providers necessary to insure the health of the public. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

HSC1120 Determinants of Health II

This is the second course in a two-course series that expands students' understanding of the holistic nature of health by giving a more in-depth view of the determinants of health and well-being as prescribed by the Centers for Disease Control (CDC) and the World Health Organization (WHO). 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.

Prerequisite(s): HSC1110. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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 principle 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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

HSC3100 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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

HSC3200 Health Education and Program Planning

This course is a study of the processes involved with planning health education and health promotion programs. Emphasis is on community analysis including the 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): HSC3100, MATH2001. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

HSC3899 Internship in Health Science

This internship is designed to provide students an opportunity to apply knowledge, skills and professional behaviors learned in foundation courses to a supervised experience in their area of specialization. The internship is a placement directed by a supervisor on site as well as by a program faculty member who meets with students on a regularly scheduled basis to discuss students' abilities to integrate theory, research and practice in the context of a supervised experience. Students may choose an internship in a variety of fields, such as academia, industry or health profession settings, including nonprofit and government agencies. Internships provide opportunities for students to gain real-world experience to meet the needs of their respective employers.

Prerequisite(s): To be eligible for this internship, students must: 1) have a GPA of 2.75 in their major courses, 2) have completed 130 hours of course work and 3) have the permission of the program director and faculty adviser.

Offered at Online, Providence

4.5-13.5 Quarter Credit Hours

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, HSC3100. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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): HSC1230, HSC3100, MATH2001, RSCH2050, senior status. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

History (HIST) Courses

HIST2001 World History to 1500

This survey of people and their cultures focuses on the two major historical traditions (Western and East Asian) from pre-history to 1500. The varying political events, institutions, technologies and cultures of the East and West are highlighted.

Prerequisite(s): ENG1020 or ENG1024 or English placement. (OL)

Offered at Charlotte, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

HIST2002 World History Since 1500

Major developments in world history from the 16th century and on are considered, with an emphasis on the impact of ideas and influences from Asia and the New World upon European culture and society and the European impact upon Asia, Africa and the Americas. The various periods and kinds of revolution -- industrial, democratic, political, technological, military and cultural -- are surveyed.

Prerequisite(s): ENG1020 or ENG1024 or English placement. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 the Second World War 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. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 will be 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 will focus on student-led analysis and in-depth discussion of primary sources. Students will be expected to complete extensive writing assignments including a final project based on original research using primary sources.

Prerequisite(s): ENG1027, honors status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

HIST3300 R. I. State Externship Program

This course is designed to provide students with an opportunity to experience firsthand the workings of a chosen state agency. Dozens of sponsors representing all aspects of state government assist interns to understand how particular agencies function to service the needs of the citizens of Rhode Island. The interns also attend weekly seminars to gain an understanding of all the major branches of state and local government. Please note: This is a four-month program.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

Hospitality Management (HOSP) Courses

HOSP1001 Orientation to the Hospitality Industry

This course is an introduction to the various segments within the hospitality industry (lodging, food service, travel and tourism, and sports, entertainment and event management). Students are prepared to apply sound management principles to the challenges encountered within the industry. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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, concierge service skills, rooms forecasting, basic revenue management, teamwork, and interdepartmental relationships.
Prerequisite(s): FSM1001 or FSM3001 or HOSP1001 or SEE1001. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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.
Prerequisite(s): TRVL1010 or TRVL1011 or TRVL2801.
Offered at North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

HOSP2050 International Tour and Hotel Operations

This course is taught only on a campus outside of the United States during a term abroad program. The 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 a variety of tours and professional site visits in order to gain first-hand knowledge of the international travel experience.
Prerequisite(s): Must be accepted in Study Abroad program.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
9-13.5 Quarter Credit Hours

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. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): ACCT1220, HOSP1015.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

HOSP3060 Private Club Management

This upper-level course examines the private club industry and its specific challenges. Emphasis is placed upon the manager's role with the governing board, membership, staff and management of the clubhouse and recreation activities.
Prerequisite(s): FSM1001 or FSM3001 or HOSP1001 or SEE1001. (HY)
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, Providence, Providence CE
4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, HOSP1010 or HOSP1015. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

HOSP3085 International Hotel Operations, Development and Management

This course focuses on the development and management of multinational hotel properties. Students have the opportunity to 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, multi-cultural staff; developing strategies to satisfy international guests; and working as an expatriate manager. Trends in the global hotel industry are also examined.
Prerequisite(s): MGMT2001, junior status.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

HOSP3099 Hotel Internship

This internship course allows students to gain academic credit for an invaluable work experience within their chosen profession. Students acquire insight into the practical aspects of an organization's operation by observing and participating in day-to-day activities. Upon completion of this term-long course, students have a better understanding of the demands and expectations of business and industry.
Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 during the entire pre-program application process, and 2) have completed 90 hours of course work. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
13.5 Quarter Credit Hours

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): (MGMT1001 or MGHI1000), MGMT2001.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

HOSP3440 Resort/Spa Management and Vacation Ownership

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, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 FISV2010 or FISV3001), (FSM3075 or HOSP3050 or HOSP3075 or MRKT3045 or TRVL4011 or (SEE3010 and SEE3160)).

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

HOSP4012 Developing and Managing a Small Hospitality Lodging Property

This course is designed to familiarize the student 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): (ACCT3020 or ACCT3025 or FISV2000 or FISV2010 or FISV3001), (FSM3075 or HOSP3050 or HOSP3075 or MRKT3045 or TRVL4011 or (SEE3010 and SEE3160)).

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

HOSP4015 Advanced Hospitality Sales Seminar

This senior-level course is an in-depth study of the sales process. Emphasis is on developing the sale from initial prospecting and lead qualification through follow-up after the close. The course explores the communication, interpersonal and professional skills needed to be a hospitality sales executive through classroom lecture, role-play, guest speakers, webinars, networking opportunities, and real or simulated on-campus events.

Prerequisite(s): FSM3075 or HOSP3050 or HOSP3075 or MRKT3005 or MRKT3045 or MRKT3085 or TRVL4011 or (SEE3010, 3160), SEE2020 or HOSP2011.

Offered at Denver, Providence

4.5 Quarter Credit Hours

HOSP4040 Hotel Asset Management

This course focuses on the issues related to the maximization of hotel asset value. The course covers the processes of feasibility analysis and benchmarking. 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): ACCT1220.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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): ACCT3020 or ACCT3025 or FISV2000 or FISV2010, FSM3075 or HOSP3050 or HOSP3075 or MRKT1001, senior status. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

HOSP4099 Hospitality Internship

Eligible students may apply for a selective Hospitality Internship assignment. These internship assignments allow students to gain academic credit for an invaluable work experience within their chosen profession. Students will acquire insight into the practical aspects of an organization's operation by observing and participating in day-to-day activities. Upon completion of this term-long course, students have a more global understanding of the demands and expectations of business and industry.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.0 cumulative GPA during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5-13.5 Quarter Credit Hours

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): MRKT5500. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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): MGMT5500 or RSCH5500. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

HOSP6526 Information Technology in Hospitality and Tourism

The objective of this course is to study the use of information technology in the hospitality and tourism industry. Students learn the information technology needs of domestic and international tourism businesses, as well as the use of the Internet and other information technologies as tools that influence the hospitality industry. The course emphasizes Internet website hosting for tourism managers, including a detailed examination of the current practices of online tourism marketing and tourism destination management systems. Students explore the issues pertaining to the operation and management in the industry by employing creative problem-solving solutions utilizing today's information technologies.

Prerequisite(s): MGMT5500 or RSCH5500.

Offered at Providence

4.5 Quarter Credit Hours

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. (HY) (OL)
Offered at Denver, Online, Providence
4.5 Quarter Credit Hours

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. (OL)
Offered at Denver, Online, Providence
4.5 Quarter Credit Hours

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.
Prerequisite(s): HRM5010, HRM5020. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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.
Prerequisite(s): HRM5010, HRM5020. (HY) (OL)
Offered at Denver, Online, Providence
4.5 Quarter Credit Hours

HRM5050 Strategic Recruiting, Retention and Succession

This course addresses the legal, ethical and economic factors that affect recruitment, selection, placement and appraisal. Students will 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.
Prerequisite(s): HRM5010, HRM5020. (HY) (OL)
Offered at Denver, Online, Providence
4.5 Quarter Credit Hours

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.
Prerequisite(s): HRM5010, HRM5020, HRM5030, HRM5040. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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, HRM5030, HRM5040, HRM5050, HRM5060. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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, HRM5030, HRM5040, HRM5050, HRM5060. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

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 will be 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, HRM5030, HRM5040, HRM5050, HRM5060, HRM6010, HRM6020. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

HRM6800 Human Resource Management Capstone

The 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. (OL)
Offered at Online, Providence
4.5 Quarter Credit Hours

Humanities (HUM) Courses

HUM3020 Language & Cultural 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, discussion, and required excursions and activities. Students also partner with native speakers of the target language to improve comprehension and communication skills.
Offered at Charlotte, Denver, North Miami, Online, Providence
13.5 Quarter Credit Hours

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
4.5 Quarter Credit Hours

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 Denver, Providence

4.5 Quarter Credit Hours

Information Technology (ITEC) Courses

ITEC1000 Help Desk Concepts

This introductory course provides students with an overview of the topics relevant to working at a help desk or customer support center. Four major components are covered: people, processes, technology and information. Emphasis is placed on the design and management of each component as an integral and mandatory part of the support function.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence, Providence CE

4.5 Quarter Credit Hours

ITEC2050 Special Topics in Technology

This course gives the student the opportunity to study unusual, cutting-edge and advanced topics in the technology field. Topic areas include Graphic Design & Digital Media (ITEC2051), Exploring Mobile Application Development with the iPhone (ITEC2052), Engineering Studies (ITEC2053), Computerized Drafting (ITEC2054), IT Professional Studies (ITEC2055), Foundations in Technology (ITEC2056), and Technology Internship (ITEC2057). Each individual section of the course will be specially designed. The School of Engineering & Design the specific outline, outcomes, texts, materials and performance skills (if any) of each section early in the term preceding it.

Prerequisite(s): Permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

ITEC2051 Special Topics in Technology: Computer Graphics/Web

This Course gives students the opportunity to study unusual, cutting-edge and advanced topics in the technology field. Each Individual section of the course will be specifically designed. The School of Engineering & Design will announce the specific outline, outcomes, texts, materials and performance skills (if any) of each section early in the term preceding it.

Prerequisite(s): Permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

ITEC2052 Special Topics in Computer Information Science

This course gives students the opportunity to study unusual, cutting-edge and advanced topics in the technology field. Each individual section of the course will be specially designed. The School of Engineering & Design will announce the specific outline, outcomes, texts, materials and performance skills (if any) of each section early in the term preceding it.

Prerequisite(s): Permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

ITEC2053 Special Topics in Engineering

This course gives students the opportunity to study unusual, cutting-edge and advanced topics in the technology field. Topic areas include Engineering Studies (ITEC2053). Each individual section of the course is specially designed.

Prerequisite(s): Permission of instructor.

Offered at Providence

4.5 Quarter Credit Hours

ITEC2060 Special Topics in Technology and Lab

This course gives the student the opportunity to study unusual, cutting-edge and advanced topics in the technology field and apply the knowledge in a laboratory setting. Topic areas include Graphic Design & Digital Media (ITEC2061), Computer Information Science (ITEC2062), Engineering Studies (ITEC2063), Computerized Drafting (ITEC2064), IT Professional Studies (ITEC2065), Foundations in Technology (ITEC2066) and Technology Internship (2067). Each individual section of the course will be specially designed. The School of Engineering & Design announces the specific outline, outcomes, texts, materials and performance skills (if any) of each section early in the term preceding it.

Prerequisite(s): Permission of instructor.

Offered at Providence

6 Quarter Credit Hours

ITEC2070 Advanced Special Topics in Technology

This course gives the student the opportunity to study unusual, cutting-edge and advanced topics in the technology field in an intensive, immersion-style setting. Topic areas include Graphic Design & Digital Media (ITEC2071), Computer/ Information Science (ITEC2072), Engineering Studies (ITEC2073), Computerized Drafting (ITEC2074) IT Professional Studies (ITEC2075), Foundations in Technology (ITEC2076) and Technology Internship (2077). Each individual section of the course will be specially designed. The School of Engineering & Design will announce the specific outline, outcomes, texts, materials and performance skills (if any) of each section early in the term preceding it.

Prerequisite(s): Permission of instructor.

Offered at Providence

9 Quarter Credit Hours

ITEC2081 Network Protocols I

This course develops students' knowledge of computer networks, network appliances and network protocols. Students 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 are 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 ITEC1020 or CSIS1020, ENGN1025.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

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
4.5 Quarter Credit Hours

ITEC2090 IT Call Management Systems

This course explores in detail the processes and the underlying related technologies and techniques that are used in industry settings in order to deliver better customer support. Students gain practical knowledge in an industry standard call management software package. Through a combination of lecture and lab-based work, they become familiar and adept in activities related to telephone customer service skills, call logging, call and work assignment, monitoring and management, report creation and utilization, and asset management.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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
4.5 Quarter Credit Hours

ITEC3020 Information Science I

This course provides a general introduction to information science. Topics include an introduction to information systems, the role of information in organizations and decision making and the role of computers in information processing.

Prerequisite(s): FIT1000 or FIT1012.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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. Advanced topics such as convergence, first mile/last mile, QOS, and switching and routing fabrics are discussed. Students also 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 CSIS2018, CSIS2050, ITEC2082 or ITEC2085.

Offered at Providence
4.5 Quarter Credit Hours

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 FIT1014 or FIT1040.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

ITEC3050 Information Security

This course presents all aspects of computer and information security including data encryption, zero-knowledge based proofs, public key coding and security procedures. 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. (OL)

Offered at Online, Providence, Providence CE

4.5 Quarter Credit Hours

ITEC3060 Network Management and Administration

This course allows students to implement many of the concepts of earlier courses under simulated workplace conditions. This course focuses on the techniques for implementing a network, configuring products, managing networks, implementing network services (email, FTP, Telnet, HTTP), and providing protections and safeguards commensurate with usage requirements. This course will also introduce students to important concepts in the use of cloud computing.

Prerequisite(s): ITEC2085, ITEC3010, ITEC3031, ITEC3075.

Offered at Providence

4.5 Quarter Credit Hours

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 Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

ITEC3080 Information Management

Information management techniques are presented with an emphasis on file-accessing methods, database systems, text retrieval systems, paperless computing and the Internet. The management of records on stand alone and networked systems is examined along with the issues relative to managing information on the World Wide Web. Students are made aware of the various theories and options available for text and information storage and retrieval. Security and communication issues are covered along with the issues related to the World Wide Web.

Prerequisite(s): ITEC3020.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

ITEC3085 Systems Design

This course is both a theoretical approach to the development of information systems as well as an immersion into the real-world implementation in the context of a business case. The student learns the basic design tools, as well as gains an appreciation for the larger context of the organization in which the application generates value. Readings and case studies highlight the need to consider systems integration issues, external constraints in the form of regulatory issues, organizational process change, learning and training requirements as well as development of a systems maintenance and obsolescence plan.

Prerequisite(s): ITEC3040.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

ITEC6534 Strategic Management of Information Technology

Strategic IT management is a multi-dimensional construct that characterizes the extent to which organizations plan, implement, and use information systems in a competitive manner. This course examines four dimensions: 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

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

Informatics (INFM) Courses

INFM1010 Informatics I

This course explores information as an object of study, including theories, concepts and principles of information, information seeking, cognitive processing, knowledge representation and restructuring, and their relationships to physical and intellectual access to information. Development of information systems for storage, organization and retrieval are discussed. Students gain experience in the application of theories, concepts and principles.

Offered at Providence

4.5 Quarter Credit Hours

INFM2010 Social Informatics

This course provides an introduction to key social research perspectives and literature on the use of information and communication technologies. Discussion is on current topics such as information ethics, relevant legal frameworks, popular and controversial uses of technology (e.g., peer-to-peer file sharing), digital divides, etc. Research methodologies for social informatics are outlined.

Prerequisite(s): ENG1021, INFM1010.

Offered at Providence

4.5 Quarter Credit Hours

INFM2025 Informatics Infrastructure

This course introduces the software architectures of information systems and basic concepts and procedures of system and application development. Course topics include PHP programming, principles of developing dynamic, database-driven applications for the World Wide Web, relational database concepts and basic MySQL statements. Students acquire skills for building online shopping sites, creating customized information pages and managing high volume content with relational databases.

Prerequisite(s): CSIS1112, CSIS2030.

Offered at Providence

4.5 Quarter Credit Hours

INFM3010 Human-Computer Interaction I

This course introduces students to the fields of Human-Computer Interaction (HCI). Focus is on the use of computing technology, allowing students to understand how various technologies fit into users' lives more effectively and how they can extend users' cognitive capabilities by designing new experiences for users in HCI. Students are introduced to the design process that accompanies software development. This course is divided into two main activities of interaction designers. The first activity deals with the design process of software and hardware technology and the relation of designs to the user. Examples of design include learning about software users, sketching and brainstorming different design alternatives, and developing prototypes. The second activity is the evaluation of the generated designs. Examples of evaluation include expert evaluation, usability studies and field studies.

Prerequisite(s): INFM2025.

Offered at Providence

4.5 Quarter Credit Hours

INFM3020 Human-Computer Interaction II

This course provides Informatics undergraduate students with the skills to produce examples of Human-Computer Interaction (HCI). Focus is on the implementation of interfaces using an object-oriented programming language. Students are responsible for the design, implementation and testing interfaces based on the analysis of user needs and requirements. They are also required to critically evaluate various design implementations and recommend modifications to those designs based on the prioritization of values, needs and requirements of stakeholders. Students are involved in the creation of a team-based interface for a retail website.

Prerequisite(s): INFM3010.

Offered at Providence

4.5 Quarter Credit Hours

INFM3035 Big Data & NoSQL

This course provides an introduction to Big Data and NoSQL (Not Only SQL) database systems. The fundamental concepts of and ideas behind Big Data/NoSQL technologies are methodically explored and many buzzwords demystified. The course is supplemented by professionally focused labs that help students reinforce their theoretical knowledge of the subject.

Prerequisite(s): INFM2025.

Offered at Providence

4.5 Quarter Credit Hours

INFM4015 Organizational Informatics

This course is designed to give students a grounding in key technologies and approaches important for corporate information systems and management work. Issues such as ERP, knowledge management, databases and data warehousing, the role of the CIO, corporate IT governance issues, current trends in IT careers and e-business are discussed. This course also examines the various needs, uses and consequences of information in organizational contexts. Topics include organizational types and characteristics, functional areas and business processes, information-based products and services, the use of and redefining role of information technology, the changing character of work life and organizational practices, sociotechnical structures, and the rise and transformation of information-based industries.

Prerequisite(s): INFM3035, MGMT1001.

Offered at Providence

4.5 Quarter Credit Hours

INFM4040 Design & Development of an Informatics System

This course is a group supervised project in which students analyze, specify, design, construct, evaluate and adapt a significant information processing system. Topics include team management, professional ethics and systems analysis.

Prerequisite(s): INFM4015.

Offered at Providence

4.5 Quarter Credit Hours

Info Security/Assurance (ISA) Courses

ISA5005 Network Fundamentals

This course is a foundation 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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

ISA5010 Research Methods in Information Security

This course focuses on the research methods, tools, instruments and devices used in information sciences and information technology. Topics include the logic of the scientific method, research design, and qualitative and quantitative analysis of data for the purpose of conducting and reporting basic research in a scholarly and academic setting. Through focused-based case studies, students investigate current trends, legal and ethical issues, global and societal impact, policies, and applications in the fields of information technology, information security, cyberlaw, digital forensics and media management. Students evaluate methods to collect, classify, categorize, evaluate, assess and report research data to formulate valid research questions and derive logical conclusions. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

ISA5050 Digital/Computer Forensics and Investigation

This course is a study of cyber-attack prevention, planning, detection, response and investigation. Topics 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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

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.

Offered at Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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): ISA5040, ISA5050.

Offered at Providence

4.5 Quarter Credit Hours

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): ISA6030.

Offered at Providence

4.5 Quarter Credit Hours

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.

Prerequisite(s): 13.5 credits completed in selected Technical or Business focus area. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

Integrative Learning (ILS) Courses

ILS2003 The American Dream

This course will address the broad theme and question of "What is the American Dream" and also ask "Have we achieved it?" "Has it changed" and, "what is the cost of pursuing it?" We will 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 will primarily be a literature course, it will use a multidisciplinary approach to explore this topic from various perspectives, including history, economics, ethics, culture, psychology, and political science.

Prerequisite(s): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

ILS2010 20th Century Literature: A Multi-Disciplinary Approach

Through the study of the 20th century literary works, fine arts, humanities, and social and political sciences, this multi-disciplinary honors course explores the relationship between modern world literature and its historical, social, and political contexts. Short fiction, poetry, drama, and 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): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 will vary). By reading texts through the lenses of postcolonial literary theory, history, philosophy, and ethics, students will 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): ENG1024 or English placement, honors status, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at Online, Providence, Providence CE

4.5 Quarter Credit Hours

ILS2110 The Atomic Age

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 will explore the multiple ways in which we continue to live in an Atomic Age.

Prerequisite(s): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ILS2120 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 reviews the use and application of capital punishment in the United States from the colonial period to the present. Emphasizing the multidisciplinary approach, it will assess the rationales and justifications for state-sponsored executions and the efficacy of that reasoning in the modern world. The 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.

Prerequisite(s): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

ILS2180 Sexuality: Science/Culture/Law

Since 1950, there have been multiple revolutions in the way we conceptualize sexuality. In biology, evidence has mounted that sexual orientation is genetically and physiologically hardwired rather than a choice or preference. Literature and popular culture have moved from portraying homosexuality 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. 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 non-straight? Or did these things occur independently? How do we relate these developments to the post-structural analysis of sexuality that sexual identity is a modern invention?

Prerequisite(s): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Charlotte, Providence, Providence CE

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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): ENG1024 or English placement, honors status, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

ILS2370 Obesity

This course considers the now global problem of obesity from the biological, psychological and sociological perspectives. Since the 1970s there has been a rapid increase in the incidence of overweight and obesity in the United States with 65% 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 will be 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 health care costs that will compromise America's competitiveness.

Prerequisite(s): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

ILS2435 Leonardo da Vinci: Culture, Art and Math

This course covers a portion of the movement in Europe known as the Renaissance. The works of Leonardo da Vinci are explored. Students discover how da Vinci's insatiable hunger for understanding impacted the culture of Florence and Milan, Italy, as well as the entire world. Students learn about da Vinci himself and his place in society. Some of da Vinci's works of art, writings on architectural design and war machines are examined culturally, historically and mathematically.

Prerequisite(s): ENG1020 or ENG1024 or English placement, MATH1002 or MATH1020 or math placement, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): ENG1020 or ENG1024 or English placement, MATH1002 or math placement, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

ILS4070 Nostalgia, Memory and Hybrid Identity

As individuals, we need not be immigrants to understand, and even identify with, the search for home and belonging. As global citizens, most of whose families have at some point been immigrants, whether by choice or displacement, we recognize the powerful and complicated impact of migration on all aspects of identity. Nostalgia, Memory and Hybrid Identity examines diasporic literature in the context of cultural theory, history, psychology, philosophy and popular culture (such as music, film and art) to better understand these cultural negotiations. Students explore the ways diasporic literature of the last century has significantly transformed the literary, theoretical and cultural landscape of the U.S, and has raised a range of complex issues relating to identity, language, border crossings (geographical, linguistic and gender, etc.) hybridity, and acculturation and resistance. Readings will 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, senior status.

Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

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, senior status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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, senior status. (OL)

Offered at Online, Providence
4.5 Quarter Credit Hours

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, senior status. (OL)

Offered at Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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, one LAW-designated course, one LIT-designated course or MCST2030, senior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, senior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, senior status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

ILS4178 Studies in Nostalgia, or the Way Things Never Were

This course allows students to explore the tendency to look back with fondness on some distant, wonderful past. Is nostalgia a basic human condition? Students explore this question across cultures and through the lenses offered by biology, psychology, literature, history and other academic disciplines. Nostalgia as a type of fiction writing is discussed, along with the consequences of those "stories". The work of nostalgia as it engages discourses of political ideology, race, gender, sexuality, class, etc. is discussed. Students study a few particular examples of American nostalgia before turning their attention to the work nostalgia is doing now and the consequences of that work.

Prerequisite(s): ENG1021 or ENG1027, senior status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

ILS4180 Things That Go Bump In the Night: An Interdisciplinary Approach to the Supernatural

This course will explore the deeper "meanings" of supernatural creatures in works of film and literature from the perspectives of history, science, philosophy, literature, and film. It will address 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 in works of literature and film from antiquity to the present day. In doing so it will address the historical context in which such beliefs have arisen and how they have changed. Students will be 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, senior status.

Offered at Charlotte, Providence, Providence CE

4.5 Quarter Credit Hours

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, senior status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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, senior status.

Offered at Providence

4.5 Quarter Credit Hours

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, senior status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, MATH1002 or math placement, senior status.

Offered at Charlotte, Providence, Providence CE

4.5 Quarter Credit Hours

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): MGMT1001 or MGHI1000, sophomore status. (HY) (OL)

Offered at Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

IBUS2030 Foreign Area Studies

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic areas include China (IBUS2031), Pacific Rim (IBUS2032), Latin America (IBUS2033), Russia (IBUS2034), Eastern Europe (IBUS2035) or Africa (IBUS2036). The course is structured to focus on four primary components: business, economics, politics and culture, essentially in this priority.

Prerequisite(s): ECON1001. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2031 Foreign Area Studies: China

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic area includes China. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2032 Foreign Area Studies: Pacific Rim

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic area includes Pacific Rim. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2033 Foreign Area Studies: Latin America

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic area includes Latin America. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2034 Foreign Area Studies: Russia

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic area includes Russia. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2035 Foreign Area Studies: Eastern Europe

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic area includes Eastern Europe. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2036 Foreign Area Studies: Africa

This course is designed as a seminar course with topics changing from term to term, depending upon the dynamics of change in key global markets. Topic area includes Africa. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS2040 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): MGMT1001 or MGHI1000, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS3055 International Resource Management

Slow economic growth and sovereign debt mark an era of economic and managerial reorientation and renewal. Students will explore the opportunities of efficient resource use and innovation as a creative response to changed international economic and trade conditions. The course will analyze environmental realities on 5 continents and use 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 will be discussed. Students completing this course will have a better understanding of the new, post-material economy and its demands on individual and managerial change.

Prerequisite(s): IBUS2002 or ECON1002, junior status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS4020 Operations Management & Process Improvement Seminar - Class Component

This course focuses on environmental analysis, objective setting, positioning, examination and implementation of quality and tactical approaches used to manage quality improvement efforts in organizations abroad. This is the preparatory course for the IBUS4082 Study Abroad program.

Prerequisite(s): MGMT2030. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS4023 International Marketing Communications Seminar

This course allows students to prepare an integrated marketing communications case for a multinational organization and make a presentation of their recommendations to that host organization and/or their advertising agency abroad. The plan includes recommendations based on primary and secondary research findings, as well as a fully integrated marketing communications plan. Upon completing the initial stage of the case, students travel to the international partner site where they continue to work on the implementation of this plan. Faculty from both Johnson & Wales and the partner work with students on the case.

Prerequisite(s): ADVC2001.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

IBUS4082 Operations Management and Process Improvement Abroad

This course is an upper level School of Business course in which students implement and present the project developed during IBUS4020 preparatory classroom-based course at the host company in an international (non-U.S.) setting. Students engage in a major project management initiative incorporating quality and process improvement tools. Projects are developed jointly by the advisors and host company, and students implement the initiative.

Prerequisite(s): IBUS4020, 3.0 cumulative GPA.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

9 Quarter Credit Hours

IBUS4083 International Marketing Communications Abroad

Students work on an international marketing campaign and make a presentation of their recommendations to the host organization and/or their advertising agency abroad. The plan includes recommendations based on primary and secondary research findings, as well as a fully integrated marketing communications plan. Students continue to work on the implementation of this plan at the international partner site. Faculty from both Johnson & Wales and the partner work with students on the case.

Prerequisite(s): ADVC2001, IBUS4023.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

9 Quarter Credit Hours

IBUS4090 International Business Experience

This course refers to a series of options available that total 13.5 credits: 1) Students choose from a range of study abroad options including short-term 3 1/2 to four-week summer programs, spring term three-month programs, or four-to-five month independent exchanges. Each program has its own academic focus and prerequisites. Students apply for their program of choice through Study Abroad. After selection into a program, students engage in orientation and academic pre-departure work before embarking on their immersion into foreign cultural and business settings. In some cases, JWU faculty lead the program and travel with the students. In other cases local hosts lead the program, but in all programs students participate in a rigorous study and travel experience. The purpose of these study abroad experiences is to increase students' global awareness as they explore their program's specific academic focus. Course delivery consists of lecture, industry visits and cultural excursions. Eligible students are guided by Study Abroad to register for the appropriate course(s) specific to their program. 2) Eligible students may opt to take IBUS4020 Summer Work Abroad International Seminar and a specific course from the IBUS4080 Series of Summer Work Abroad Programs: IBUS4082 or IBUS4086. 3) Students not eligible to take the international business programs, internships or SWAP programs take three additional electives from the School of Business or the School of Engineering & Design. Students should consult with their faculty advisor to make their selection. Offered at Charlotte, Denver, North Miami, Providence, Providence CE 13.5 Quarter Credit Hours

IBUS4091 Economics and Trade in an International Context

This course is taught only as part of a short-term summer study abroad program. Students examine international economics and business, management, entrepreneurship and comparative economics and issues such as international trade and foreign exchange. Before departure, students explore basic of the host country history and culture to help understand country better and learn the context for people, society and international business. While in the host country, students discuss case studies and take lectures offered by professors and business people. Classroom-based presentations are augmented with frequent excursions to various business, government and financial institutions. Prerequisite(s): 2.75 cumulative GPA, 90 credit hours of completed coursework.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE 13.5 Quarter Credit Hours

IBUS4093 Intercultural Management in the Korean Context

This course is taught as a short-term summer 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 South Korean 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.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE 13.5 Quarter Credit Hours

IBUS4099 International Business Internship

The International Business Internship offers students an experiential learning opportunity within an authentic global business. Students examine how global business is managed and conducted. Students apply previous coursework and research to a variety of onsite business tasks. Through the internship and reflective assignments, students improve their understanding of what it takes to manage a business. The internship provides students with direct knowledge of and experience in the particular demands and expectations of a global company. Students earn academic credit for work experience in the global business.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Denver, North Miami, Providence, Providence CE 4.5-13.5 Quarter Credit Hours

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 the theory of openness, absolute and comparative advantage, tariffs, non-tariff barriers to trade, importing into the United States, regional trade agreements, trade policies for developing nations, and the effect of public policy on international trade. In addition, students gain insight into the ethical, international and multicultural dimensions of organizational behavior. The effective use of the Internet and its various international trade sources is an integral part of this course.

Prerequisite(s): Completion of required foundation courses. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

IBUS6020 International 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.

Prerequisite(s): MGMT5500 or RSCH5500, MGMT5800. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

IBUS6026 Emerging Economies

This course investigates the opportunities for companies operating both internationally and domestically that have been created as a result of economic development in Africa, Asia, Eastern Europe and Latin America. Students learn the different array of challenges emerging economies pose compared to ones commonly found in the developed markets. New strategies and tactics are developed in response to economic, social and cultural institutions of these countries. This course is most beneficial for students who are interested in understanding the potentials for interaction between firms and the emerging markets.

Prerequisite(s): IBUS5511, MGMT5800.

Offered at Providence

4.5 Quarter Credit Hours

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 alternate dispute resolution. 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): Sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE 4.5 Quarter Credit Hours

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 employers. 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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE 4.5 Quarter Credit Hours

LAW3005 Adjudication Workshop I

This workshop course presents an overview of the adjudicative process as practiced in a variety of American venues including, but not necessarily limited to, trial courts, government agencies, and appellate forums. The course emphasizes the preparation of students to compete in the American Mock Trial Association annual competition (note: only student volunteers will enter the competition; each enrolled student is not required to do so). The course provides the opportunity for students to prepare, present, participate, and preside over "real-life" contested matters with an emphasis on judicial hearings (e.g., trial and appeal).

Prerequisite(s): CJS1002 or LAW2001, sophomore status.

Offered at Denver, Providence, Providence CE

2.25 Quarter Credit Hours

LAW3006 Adjudication Workshop II

This workshop course presents an overview of the adjudicative process as practiced in a variety of American venues including, but not necessarily limited to, trial courts, government agencies, and appellate forums. The course will provide the opportunity for students to prepare, present, and preside over "real-life" contested matters with an emphasis on non-judicial hearings (e.g., parole and police hearings).

Prerequisite(s): CJS1002 or LAW2001, sophomore status.

Offered at Denver, Providence, Providence CE

2.25 Quarter Credit Hours

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 will concentrate 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 Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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.). (OL)

Offered at Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

LAW3090 Evidence

This course is a study of the law of evidence as a system of rules and standards directed at determining what proof is to be admitted in the course of litigation. Emphasis is placed on formal discovery mechanisms, relevance, witness examination, impeachment, rehabilitation, privileges, burdens of proof, judicial notice, presumptions, real and demonstrative evidence, expert testimony, materiality, confrontation and hearsay.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

LAW3092 Sports, Entertainment and Event Management Law

This course provides the Sports, Entertainment and Event Management major with an understanding of the legal issues that shall have an impact upon their business practices. The course concentrates on the following topics: negligence, intentional torts and crime, risk management, intellectual property, industry-specific contracts, discrimination, labor relations, various forms of business organization, and regulation of sports agents.

Prerequisite(s): LAW2001.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

LAW4020 The Law of Contracts and Sales

This course is a study of the legal principles and rules of both common law contracts and contracts for the Sale of Goods under Article 2 of the Uniform Commercial Code through the study of appellate cases, legislative enactments, legal terminology, and hypothetical problem solving. The course examines contract formation, performance, enforcement, discharge and remedies for breach.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

LAW4035 Administrative Law

This course introduces the student to the function and procedures of state and federal administrative agencies. The rule-making, investigatory, adjudicatory, and enforcement functions of such agencies are studied. The role of judicial review is also explored.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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): LAW3010, completion of required accounting prerequisite and foundation courses.

Offered at Providence

4.5 Quarter Credit Hours

Leadership Studies (LEAD) Courses

LEAD0001 Resident Assistant Leadership

This course is required of all RAs to prepare them for the challenging responsibilities of residential life. The course focuses on developing those leadership skills required of the position - including conflict resolution, dealing with negativity, team building skills, diversity and communication. Offered at Denver, North Miami, Providence
1.5 Quarter Credit Hours

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. (SL)
Offered at Charlotte, Denver, Denver CE, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

LEAD2010 Special Topics in Leadership

The field of leadership studies encompasses a wide and complex range of topics. This course presents students and faculty alike with a unique opportunity to examine revolving areas of current and relevant leadership theories and practices. Areas of specialized leadership interest include, but are not limited to: Global Issues, Women in History (LEAD2011), Entrepreneurial, Sub-Saharan Leadership or Business and Religion.
Prerequisite(s): LEAD1010.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

LEAD2011 Leadership and Women in History

The field of leadership studies encompasses a wide and complex range of topics. This course presents students and faculty alike with a unique opportunity to examine revolving areas of current and relevant leadership theories and practices. Area of specialized leadership interest include, but are not limited to Women in History.
Prerequisite(s): LEAD1010.
Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

LEAD2012 Power and Leadership

This course provides an overview of the nature and types of power in today's business world. The relationship between power and influence is also explored. Since issues of power present unique challenges to students beginning new careers, special attention is given to the topics of supportive communication, relationship building and organizational politics.
Prerequisite(s): LEAD1010 or SOC1001 or SOC2005.
Offered at Denver, Denver CE, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

LEAD2030 Leadership Through Film and Literature

This course is an examination of contemporary theories pertaining to leadership in group, organizational and societal settings. The content of the course draws from the humanities as viewed through film and literature selections to illustrate different leadership styles and concepts. The course is based on the premise that leadership, like literature and film, is an art form whose effectiveness is enabled and enhanced through visual presentation.
Prerequisite(s): LEAD1010 or SEE2015.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

LEAD3020 Creative Leadership

Creativity can be a valuable tool for leadership in the 21st century. 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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

Liberal Studies (LIBS) Courses

LIBS3099 Liberal Studies Internship

Students may choose an internship in a variety of fields, such as public service or communications, and in many settings, including nonprofit and government agencies, arts organizations, or others related to their interests. Internship assignments provide opportunities for students to gain real world experience by applying their skills and knowledge to meet the needs of a business, agency or community organization.
Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA during the entire pre-program application process, 2) have completed 90 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.
Offered at Charlotte, Denver, Online, Providence, Providence CE
4.5-13.5 Quarter Credit Hours

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. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (SL)
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

LIT2040 American Literature I

This course surveys American literature from its pre-Colonial origins through the mid-19th century. 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 Charlotte, Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE 4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence 4.5 Quarter Credit Hours

LIT2150 British Literature Survey II

This course surveys British literature from the Romantics through the Victorian, Modernist and Contemporary eras. Literary movements are examined in their historical, political, intellectual and social contexts 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 Wordsworth, Austen, Keats, Kipling, Wilde, Gaskell, Dickens, Yeats, Joyce, Woolf, Lawrence, Burgess, and Kinsella, 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 Charlotte, Denver, Providence 4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE 4.5 Quarter Credit Hours

LIT3015 Food In Film And Literature

This course is designed to acquaint the student with the art forms of film and literature with a focus on food as its primary subject. The course focuses on the important books, essays, short stories, plays and films that have made major achievements in film and literature. Students develop the critical skills necessary to increase their understanding of the experience of film and literature. Prerequisite(s): ENG1021 or ENG1027. (OL) Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE 4.5 Quarter Credit Hours

LIT3018 Honors Seminar: Food in Film and Literature

This reading and writing-intensive Honors seminar will trace 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, Denver, North Miami, Providence, Providence CE 4.5 Quarter Credit Hours

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, Denver, Providence, Providence CE 4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence 4.5 Quarter Credit Hours

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, Denver, Providence 4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE 4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE 4.5 Quarter Credit Hours

Management (MGMT) Courses

MGMT1001 Contemporary Business Management I

This course provides students with the fundamental understanding of business, management and the different disciplines within business. The history of management and the evolution of organizations are examined. The course addresses the different functions of business and management while identifying the impact of business strategy and ethics on stakeholders. Integral to this course is career exploration and development of professional interest. (OL) Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE 4.5 Quarter Credit Hours

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): MGMT1001 or MGHI1000. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MGMT2001 Human Resource Management

This foundation course provides students with knowledge, skills and understanding of human resource management and workforce development. Students learn about major human resource functions and how each impacts the performance of the organization. Organizational psychology and management research informs students' understanding of how best to manage human resource functions.

Prerequisite(s): MGMT1001 or MGHI1000. (SL) (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MGMT2020 Organizational Behavior

This course surveys current concepts regarding organizational and behavioral theory. Focus is on the roles of individuals and teams and their impact on the contemporary business environment. Students explore how leaders and employees act and react to various challenges. A particular emphasis is placed on employee development in an ever-changing, global work environment. Topics include learning, motivation, leadership, communications, interpersonal relationships, personality and culture, and their impact on job performance, organizational commitment and organizational performance.

Prerequisite(s): Sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MGMT2030 Operations and Supply Chain Management I

This course acquaints students with the fundamentals of operations and supply chain management in both the manufacturing and service sectors. The course recognizes 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): MGMT1001 or MGHI1000, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): ENTR1001 or MGMT1001 or MGHI1000.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): MATH1035, MGMT2030. (OL)

Offered at Charlotte, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): MGMT4020, senior status. (HY) (OL)

Offered at Charlotte, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MGMT4099 Management Internship

The Management Internship offers students an experiential learning opportunity to experience the management of an authentic business. Students study firsthand the challenges, nuances and everyday expectations associated with a variety of management functions within a business. They are expected to apply previous management course work and research to onsite tasks. Through the internship and reflective assignments, students improve their understanding of what it takes to manage a business. The internship provides students with knowledge of the particular demands and expectations specific to managing a business. Students gain academic credit for work experience in management.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5-13.5 Quarter Credit Hours

MGMT5500 Business Information and Decision-Making

This course enables graduate students to develop problem-solving, critical thinking and quality decision-making skills that are important for business managers and leaders. Students examine processes for problem solving and develop techniques in critical thinking to improve their understanding and evaluation of business information. The course examines the research process from preliminary data-gathering techniques to problem identification and hypothesis development. Students review pertinent 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 research process and its applicability to his/her career endeavors. This course provides a forum for students to improve research and presentation skills through discussion and practical applications.

Prerequisite(s): Completion of required foundation courses. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MGMT5575 Operations Management

Operations Management (OM) is an area of study that impacts the manufacturing and service industries. 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): MGMT5800. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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 participating in numerous analyses of the kinds of situations requiring management attention that mid- to upper-level executives are likely to encounter. 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.

Prerequisite(s): MGMT5500 or RSCH5500, completion of required foundation courses. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MGMT5900 Ethics, Corporate Social Responsibility and Law

The focus of this course is to challenge 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. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MGMT6000 The Leader as Coach

This is an advanced management course that enables students to gain competence in the specific techniques that effective leaders use to empower their workforce through coaching. Students learn the fundamental theories of coaching through selected readings and class presentations, and use this knowledge to engage in experiential exercises. During these exercises, students receive feedback on their technique. Once competence is gained in fundamental skills, students are encouraged to develop their own personal method of coaching and to adapt their style of coaching to different situations. Particular emphasis is given to dealing with cultural issues encountered when coaching a global workforce. Students conduct research through self-assessments and group projects on selected topics in coaching.

Prerequisite(s): MGMT5500 or RSCH5500, MGMT5800.

Offered at Providence

4.5 Quarter Credit Hours

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): MGMT5500 or RSCH5500, MGMT5800. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MGMT6056 Contemporary Leadership Issues and Strategies

Building on concepts and skills acquired in our 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. The 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): MGMT5500 or RSCH5500, MGMT5800. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

MGMT6075 International and Comparative Employment Law

This course examines the labor and employment law of various countries important to the global economy at the beginning of the 21st century. Regional trade agreements such as NAFTA and the European Union are also analyzed as well as international labor standards promulgated by the International Labor Organization. Key employment issues for comparative analysis include such areas as individual employment, unions and collective bargaining, discrimination and privacy.

Prerequisite(s): MGMT6123.

Offered at Providence

4.5 Quarter Credit Hours

MGMT6123 Contemporary Human Resource Issues and Strategies

This course reviews how mid- to upper-level managers working collaboratively with human resource specialists in both domestic and international organizations can address traditional human resource concerns (employee recruitment, selection, training, motivation, compensation and performance appraisal) within the context of strategic planning. A major focus of this course is on developing diagnostic and problem solving skills through participating in numerous analyses of the kinds of human resource issues that mid to upper level executives are likely to encounter. Students conduct and present in-depth research on selected topics in the field of human resources.

Prerequisite(s): MGMT5800. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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): MGMT5800.

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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 strategies 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. (HY) (OL)
Offered at Denver, Online, Providence
4.5 Quarter Credit Hours

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). (OL)
Offered at Denver, Online, Providence
4.5 Quarter Credit Hours

Marketing (MRKT) Courses

MRKT1001 Principles of Marketing

This is an introductory course in the study of marketing with an emphasis on marketing theory and basic marketing principles and practices. Topics include introduction of the marketing mix: price, product, promotion and place; knowing your customer; services marketing; socially responsible marketing; and ethics, plus the importance of marketing in the domestic and global economies in both profit and nonprofit organizations. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT1002 Consumer Behavior

The purpose of this course is to introduce the student to the various facets of consumer behavior, including the decision making process, problems, needs and goals, the consumer's search for information, and the evaluation of the purchase decision.
Prerequisite(s): MRKT1001. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT1011 Principles of Professional Selling

This course is a hybrid of theory and training. 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 replaces the outdated transactional approach to selling. 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, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT2012 Sales Management

This course teaches students about the strategic role of the selling function within the business unit. Students learn the basic concepts of determining market potential, forecasting sales, designing sales territories, setting quotas, structuring the sales team, and recruiting, selecting, leading and motivating both inside and outside sales people. The course focuses on the "field" (district) level of sales management.
Prerequisite(s): MRKT1011.
Offered at Providence, Providence CE
4.5 Quarter Credit Hours

MRKT2050 Marketing Research

This course provides a broad overview of marketing research methods and the marketing research industry. Covering both qualitative and quantitative research techniques, the course familiarizes students with the appropriate uses and limitations of marketing research. This course increases student understanding of various marketing research techniques, gaining insights into data-driven decision making.
Prerequisite(s): MRKT1002, sophomore status. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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 includes brand research, logo development, product packaging, marketing and advertising collateral, web branding, and broadcast advertising development as applicable to client need.
Prerequisite(s): MRKT2050, MRKT3005, junior status. (OL)
Offered at Charlotte, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY)
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, MRKT1002. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): MRKT1001 or HOSP3050, junior status.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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): MRKT1001, sophomore status. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT3050 Techniques in Sales Management

This course introduces students to the selling profession and process from the perspective of the sales manager, a role that relates to marketing communication and marketing strategy. Students explore the client needs assessment, consultative problem solving, and win-win negotiation strategies that enhance internal and external customer relationships. In addition to selling knowledge and skills, students gain an understanding of the roles and responsibilities of the sales manager. Important responsibilities such as territory management, account management, leadership, influence, motivation, recruiting, selection, training, compensation, forecasting and budgeting are addressed. Prerequisite(s): ENG1030, (MGMT1001 or MGHI1000 or MRKT1001), junior status. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT3055 Survey Research

This course provides an overview of contemporary topics in quantitative research such as competitive intelligence, survey design and scale measurement. Students utilize current technology and software tools to create, distribute, analyze and interpret quantitative data. Students gain an understanding of modern market research techniques used to make sound business decisions. Prerequisite(s): MRKT2050, MATH2001, junior status.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT3084 Customer Care Strategies

This course is designed to change student perceptions of customer service. Students compare and contrast "minimum standards" with surpassing the customer's expectations of value. Students learn to focus their creativity and energy on developing attitudes and using systems that will increase customer satisfaction and lead to customer referral. Students learn about the systems and technology that drive the best organizations, at all levels, at any stage of customer relations. Offered at Providence, Providence CE
4.5 Quarter Credit Hours

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): MRKT1001, junior status. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT3150 Special Topics in Marketing

This course is a study of selected current topics in the field of marketing. The 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): ADVC1010, junior status. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT3210 Sustainable Entrepreneurship in Africa

This course is the preliminary classroom portion of a study abroad program. Students collaborate with marine-based micro-enterprises from Tanzania and the Zanzibar Archipelago to come up with strategies to protect ecological and environmental resources, create self-reliance, and develop international markets for nature-based products to improve the well-being of coastal communities. Projects focus on small businesses such as sustainable dolphin tourism, pearl farming, shellcraft jewelry production, artisan craftsmanship and textiles. Student projects draw attention to the role of marketing in coastal livelihood development, which is important to policy makers, academics and coastal managers as climate change alters the coastal environment of Tanzania. Prerequisite(s): 2.75 cumulative GPA, sophomore status.
Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

MRKT3220 Marketing in an International Context

This course is part of a short-term summer study abroad program. Students are placed in an international context in which they can gain firsthand knowledge of how small businesses, government entities and nongovernmental organizations (NGOs) collaborate to promote sustainable entrepreneurship in Africa. The course includes industry tours, cultural excursions and student collaboration with small business clients to develop international markets and online presence for nature-based products and for ecotourism opportunities. Students begin with classroom project work, conduct a field study tour in Tanzania and Zanzibar, and present recommendations to project stakeholders abroad. The trip culminates with a safari experience. Students are required to produce a written international marketing plan, social and digital media, and a professional presentation, as well as maintain a portfolio of individual work. Prerequisite(s): Sophomore status, acceptance into Study Abroad Program.
Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

MRKT4030 International Marketing

This course deals with 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. Prerequisite(s): MRKT1001, junior status. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT4055 Strategic Marketing

This capstone course aids students in developing the skills essential to anticipating and responding to the changing needs of customers and markets in the global economy and culture. The course explores marketing strategy using a combination of texts, readings, visiting speakers, websites, cases, a marketing simulation and field assignments. It is recommended that students complete all related professional studies courses before attempting this capstone course. Prerequisite(s): MRKT1002, MRKT2050, MRKT3005 or ADVC2001, senior status. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

MRKT4099 Marketing Internship

This course provides students the opportunity to gain academic credit for completing internships with marketing firms, corporations or governmental entities. Upon completion of this term-long course, students have an understanding of the demands and expectations of the industry, as well as the role played by the agency, client and media organizations. Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5-13.5 Quarter Credit Hours

MRKT5220 Marketing in an International Context

This course is taught as part of a short-term summer study abroad program. The purpose of this course is to place students in an international context in which they can gain firsthand knowledge of how small businesses, government entities and nongovernmental organizations (NGOs) collaborate to promote sustainable entrepreneurship in Africa. The course includes industry tours, cultural excursions and student collaboration with small business clients to develop international markets and online presence for nature-based products and ecotourism opportunities. Students begin with project work comparing different sustainable economic development and ecotourism models around the globe, conduct a field study tour in Tanzania and Zanzibar, and present recommendations to project stakeholders abroad. In addition, the trip culminates with a safari experience. Students are required to produce a written international marketing plan, social and digital media, and professional presentation, as well as maintain a portfolio of individual work.

Prerequisite(s): ECON5000.

Offered at Providence

4.5 Quarter Credit Hours

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): MGMT5500 or RSCH5500. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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): MGMT5500 or RSCH5500, MRKT5500.

Offered at Providence

4.5 Quarter Credit Hours

MRKT6030 Marketing Research

This course is designed as an advanced study covering the total process of generating, transforming and appraising data into relevant information for the marketing decision-maker. Emphasis is placed on the utilization and analysis of research data. Additional areas discussed are research methodology, design techniques, survey development, sampling theories and techniques of statistical data analysis.

Prerequisite(s): MGMT5500 or RSCH5500, MRKT5500.

Offered at Providence

4.5 Quarter Credit Hours

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.

Prerequisite(s): MGMT5500 or RSCH5500, MRKT5500.

Offered at Providence

4.5 Quarter Credit Hours

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 not-for-profit 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. (HY) (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

Mathematics (MATH) Courses

MATH0010 Basic Mathematics

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. (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

2.25 Quarter Credit Hours

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. (HY) (OL)

Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

MATH1020 Fundamentals of Algebra

This course provides students with a working knowledge of the basic elements of algebra. Topics covered include equations and inequalities, graphing, systems of equations, exponents and logarithms, factoring, rational expressions, and radicals.

Prerequisite(s): MATH0010 or math placement. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

MATH1035 Quantitative Analysis I

A continuation of Algebra, this course begins with the study of linear equations and their applications to business and economics. Matrices are covered in detail. Linear programming, quadratic models and a brief introduction to differential calculus are also presented.

Prerequisite(s): MATH1020 or math placement. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

MATH2001 Statistics

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 MATH1020 or MATH1030 or MATH1035 (minimum grade of C in MATH1002 or MATH1020 required for hybrid sections of MATH2001) or math placement. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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; sampling techniques; and an introduction to simulation techniques.

Prerequisite(s): MATH2001. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

MATH2020 Discrete Mathematics

This course is designed to give students the basic mathematical concepts and methods that are prevalent in information science. Topics include sets, relations and functions, elementary graph and network theory, trees, matching algorithms, network flows, counting techniques, and recurrence relations.

Prerequisite(s): MATH1020 or math placement.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

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, series solutions of linear differential equations, the solution of systems of linear differential equations along with their applications, and phase plane methods for nonlinear systems.

Prerequisite(s): MATH2040.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

MATH4800 Special Topics in Mathematics

This course presents a specialized area of mathematics in great detail. Each academic year, a specialized topic is chosen which is of interest to both students and faculty. Typical specialized topics which may be chosen include, but are not limited to, number theory, numerical analysis, matrix theory, mathematical logic, abstract algebra and geometry.

Prerequisite(s): MATH1002 or math placement. May vary depending on topic.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Online, Providence

4.5 Quarter Credit Hours

Media & Communication Studies (MCST) Courses

MCST1010 Media, Culture and Society

This is a survey course that introduces students to the study of media in contemporary culture and society. The course focuses on three main areas: production, content and reception. Students engage with a variety of concepts from the field of media studies, as well as with political-economic and social-cultural analyses of media. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MCST1030 History of Media

This course asks students to grapple with the relationship between humanity and technology. Students interpret the meanings of letters or records (histories of media) in broader political-economic and social-cultural contexts. By the end of the course, students have refined their understanding of media to include all major modalities, from cave art to cell phones. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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): ENG1021 or ENG1027.

Offered at Denver, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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): ART2010, ENG1021 or ENG1027. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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 and the digital divide). 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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MCST3899 Media Internship

This internship course requirement allows students to connect their academic course work with industry experience. While positions vary, students should be engaged in some facet of media work (e.g., researching, editing, writing, producing, designing, building) in virtually any media industry. This course may be repeated twice with one or more companies or organizations, but must not exceed 13.5 quarter credits.

Prerequisite(s): To be eligible for this internship, students must: 1) have a GPA of 2.0, 2) have completed 90 hours of course work, and 3) have successfully completed the course, ENG1021, Advanced Composition and Communication or ENG1027, Honors Advanced Composition and Communications: Civic Discourse.

Offered at Denver, Online, Providence

4.5-13.5 Quarter Credit Hours

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. Emphasis is 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, such as Nike sneakers, Tokyo Disneyland, Al-Jazeera America, Brazilian telenovelas and Nigerian popular music, artifacts and sites that bear the imprints of transnational media corporations and regional audiences.

Prerequisite(s): ENG1021 or ENG1027. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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, MCST1010. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MCST4190 Media Research Methods

This course provides essential training on how scholars think by asking students to participate in the process of knowledge creation. Readings focus on interpretive and critical methods, from interviews and participant observations to historical and textual analyses that draw on Marxist, post-structural, psychoanalytic, feminist, queer, postmodern and post-colonial thought. 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.

Prerequisite(s): ENG1021 or ENG1027, MCST1010 or COMM1010, senior status. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

MCST4200 Senior Seminar in Media Life

This seminar discusses the idea that life is entirely mediated, from the language that humans use to the air that animals breathe. Topics discussed include media scholar Mark Deuze's theory that we no longer live with media, but in media, defined as environments for thinking, feeling, speaking and acting. The seminar draws on most of the coursework from the Media & Communication Studies major and synthesizes it in the form of one research project on an original topic that crosses disciplinary demarcations. Projects may address insect media and beehives, bio-media and pacemakers, green media and e-waste, structural media and shopping malls, and hypermedia and emotion, among other topics.

Prerequisite(s): ENG1021 or ENG1027, MCST1010 or COMM1010, senior status. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence

4.5 Quarter Credit Hours

Philosophy (PHIL) Courses

PHIL3015 History of Philosophy

This 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 Providence, Providence CE

4.5 Quarter Credit Hours

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. (SL)
Offered at Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

PHIL3040 Ethics of Business Leadership

This course examines the basic principles of ethics and their philosophical foundations, particularly as they apply to institutions, environments, leadership and other activities and pursuits of business. It examines those aspects of human behavior that can be labeled right and wrong. Consideration is given to the moral obligations of leaders and followers when discussing actual cases from a variety of business organizations that have presented management and subordinates with difficult moral dilemmas. Emphasis is also on the particular responsibilities of leadership in fostering and implementing ethical awareness within a corporate culture.

Prerequisite(s): ENG1020 or ENG1024 or English placement. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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, Denver, North Miami, Providence
4.5 Quarter Credit Hours

Physician Assistant Studies (PAS) Courses

PAS5100 Applied Anatomy

This lecture and lab based course will cover the anatomy most relevant to clinical practice as a physician assistant through the use of prosection and dissection of human cadavers. The course will proceed 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 is designed to complement, enhance and assist the students in integrating this information into the physical examination skills taught in the Patient Care I course. Applied Anatomy will also serve to provide a foundation for the practical application of anatomical knowledge needed for the study and understanding of diseases which will be taught in the Clinical Medicine I-IV courses and ultimately clinical practice.

Offered at Providence
3 Semester Credits

PAS5200 Foundations of Medicine

This lecture based course will provide the foundation of the basic scientific concepts and principles needed for the study and treatment of diseases. It will consist of 4 modules: Microbiology and Immunology, Genetics, Cell Physiology and Introduction to Pharmacology.

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 will 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 will also be presented. The laboratory sessions will focus on developing, practicing and meeting a defined level of proficiency of the skills needed to competently perform both the medical interview and a complete head to toe physical examination. Instructional techniques will 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

PAS5344 Professional and Health Policy Issues I

Professional and Health Policy Issues (I-III) is a course which will span all three (3) first year semesters. It is a lecture and small group dynamic based course which will focus on practical principles related to medical ethics and professionalism, health care delivery and policy issues and public health as they relate to the role and responsibilities of a Physician Assistant.

Offered at Providence
2.5 Semester Credits

PAS5425 Patient Care II

This lecture and small group work based course is designed to provide the student with opportunities to utilize 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 and problem-based learning through case studies. The focus of this interactive course experience is the medical history, physical examination, clinical reasoning, laboratory evaluation, diagnosis, treatment and patient education of common problems encountered in primary care practice. Evidence-based medicine, statistics, research methods, and analysis of the medical literature are also presented as tools to assist in medical decision-making. Discussion and role-playing are the main educational modalities used. The cases presented will follow those disease states covered in Clinical Medicine I & II and the laboratory tests and imaging methods presented in the Diagnostic Skills course and the medication treatment options presented in Pharmacotherapeutics. In addition concepts of ethical and professional expectations and conduct and legal issues will be included.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344.

Offered at Providence
3 Semester Credits

PAS5454 Professional and Health Policy Issues II

Professional and Health Policy Issues (I-III) is a course which will span all three (3) first year semesters. It is a lecture and small group dynamic based course which will focus on practical principles related to medical ethics and professionalism, health care delivery and policy issues and public health as they relate to the role and responsibilities of a Physician Assistant.

Prerequisite(s): PAS5344.

Offered at Providence
2 Semester Credits

PAS5464 Professional and Health Policy Issues III

Professional and Health Policy Issues (I-III) is a course which will span all three (3) first year semesters. It is a lecture and small group dynamic based course which will focus on practical principles related to medical ethics and professionalism, health care delivery and policy issues and public health as they relate to the role and responsibilities of a Physician Assistant.

Prerequisite(s): PAS5344, PAS5454.

Offered at Providence
2.5 Semester Credits

PAS5523 Clinical Medicine I

Clinical Medicine (I-IV) course is a cornerstone course in the curriculum which will span all three (3) first year semesters. This lecture based course series will provide physician assistant students with instruction in epidemiology, physiology and pathophysiology, and the clinical presentation of diseases commonly encountered in primary care medicine and the disciplines of surgery and emergency medicine. It will also include the diagnostic studies and findings needed to make a diagnosis as well as the management of patients from initial presentation through ongoing follow-up in a patient centered model including patient education and referral. In addition, this course series will incorporate health promotion and disease prevention through lecture and student discussion of healthy lifestyles and preventive medicine practices.

Prerequisite(s): PAS5100, PAS5200, PAS5325.

Offered at Providence

4 Semester Credits

PAS5533 Clinical Medicine II

Clinical Medicine (I-IV) course is a cornerstone course in the curriculum which will span all three (3) first year semesters. This lecture based course series will provide physician assistant students with instruction in epidemiology, physiology and pathophysiology, and the clinical presentation of diseases commonly encountered in primary care medicine and the disciplines of surgery and emergency medicine. It will also include the diagnostic studies and findings needed to make a diagnosis as well as the management of patients from initial presentation through ongoing follow-up in a patient centered model including patient education and referral. In addition, this course series will incorporate health promotion and disease prevention through lecture and student discussion of healthy lifestyles and preventive medicine practices.

Prerequisite(s): PAS5100, PAS5200, PAS5325.

Offered at Providence

4 Semester Credits

PAS5560 Pharmacotherapeutics I

Pharmacotherapeutics is the study of the therapeutic uses and effects of drugs. This lecture based course will introduce the students to the general principles and the concepts of pharmacotherapeutics and drug product selection, including issues of efficacy, potential toxicities, compliance, monitoring parameters, drug interactions, and cost. Pharmacotherapeutics I will run concurrently with the Clinical Medicine (I-IV) courses and will focus on the therapeutics associated with disease states presented in those respective courses. A rational and evidence based approach to the selection of medications to be prescribed, and studies of medications used in the treatment of acute and chronic illnesses across the lifespan will be presented.

Prerequisite(s): PAS5200, PAS5325.

Offered at Providence

3 Semester Credits

PAS5570 Pharmacotherapeutics II

Pharmacotherapeutics is the study of the therapeutic uses and effects of drugs. This lecture based course will introduce the students to the general principles and the concepts of pharmacotherapeutics and drug product selection, including issues of efficacy, potential toxicities, compliance, monitoring parameters, drug interactions, and cost. Pharmacotherapeutics I will run concurrently with the Clinical Medicine (I-IV) courses and will focus on the therapeutics associated with disease states presented in those respective courses. A rational and evidence based approach to the selection of medications to be prescribed, and studies of medications used in the treatment of acute and chronic illnesses across the lifespan will be presented.

Prerequisite(s): PAS5200, PAS5325, PAS5425, PAS5523, PAS5533, PAS5560.

Offered at Providence

4 Semester Credits

PAS5620 Diagnostic Skills I

This lecture and laboratory/small group based course is designed to provide students with functional knowledge in clinical laboratory medicine, radiological imaging and other diagnostic modalities used for diagnosing, treating, and managing patients. The indications, limitations, benefits, potential risks and cost effectiveness of common and frequently used diagnostic modalities will be presented. Normal and abnormal findings will also be covered along with their correlation to the diseases. In addition, students will be afforded the time to review and practice history taking and physical examination skills. The content in this course will be synchronized with the organ system and disease topics in the Clinical Medicine courses. Evidence based problem solving activities will provide students with the opportunity and practice needed to develop the skills in selection and interpretation of the diagnostic methods and findings and apply those to the treatment and management decision making process.

Prerequisite(s): PAS5100, PAS5200, PAS5325.

Offered at Providence

4.5 Semester Credits

PAS5630 Diagnostic Skills II

This lecture and laboratory/small group based course is designed to provide students with functional knowledge in clinical laboratory medicine, radiological imaging and other diagnostic modalities used for diagnosing, treating, and managing patients. The indications, limitations, benefits, potential risks and cost effectiveness of common and frequently used diagnostic modalities will be presented. Normal and abnormal findings will also be covered along with their correlation to the diseases. In addition, students will be afforded the time to review and practice history taking and physical examination skills. The content in this course will be synchronized with the organ system and disease topics in the Clinical Medicine courses. Evidence based problem solving activities will provide students with the opportunity and practice needed to develop the skills in selection and interpretation of the diagnostic methods and findings and apply those to the treatment and management decision making process.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5425, PAS5523, PAS5533, PAS5620.

Offered at Providence

6 Semester Credits

PAS5643 Clinical Medicine III

Clinical Medicine (I-IV) course is a cornerstone course in the curriculum which will span all three (3) first year semesters. This lecture based course series will provide physician assistant students with instruction in epidemiology, physiology and pathophysiology, and the clinical presentation of diseases commonly encountered in primary care medicine and the disciplines of surgery and emergency medicine. It will also include the diagnostic studies and findings needed to make a diagnosis as well as the management of patients from initial presentation through ongoing follow-up in a patient centered model including patient education and referral. In addition, this course series will incorporate health promotion and disease prevention through lecture and student discussion of healthy lifestyles and preventive medicine practices.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5425, PAS5523, PAS5533, PAS5560, PAS5620.

Offered at Providence

5 Semester Credits

PAS5653 Clinical Medicine IV

Clinical Medicine (I-IV) course is a cornerstone course in the curriculum which will span all three (3) first year semesters. This lecture based course series will provide physician assistant students with instruction in epidemiology, physiology and pathophysiology, and the clinical presentation of diseases commonly encountered in primary care medicine and the disciplines of surgery and emergency medicine. It will also include the diagnostic studies and findings needed to make a diagnosis as well as the management of patients from initial presentation through ongoing follow-up in a patient centered model including patient education and referral. In addition, this course series will incorporate health promotion and disease prevention through lecture and student discussion of healthy lifestyles and preventive medicine practices.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5425, PAS5523, PAS5533, PAS5560, PAS5620.

Offered at Providence

5 Semester Credits

PAS5725 Patient Care III

This lecture and small group work based course is designed to provide the student with opportunities to utilize 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 and problem-based learning through case studies. The focus of this interactive course experience is the medical history, physical examination, clinical reasoning, laboratory evaluation, diagnosis, treatment and patient education of common problems encountered in primary care practice. Evidence-based medicine, statistics, research methods, and analysis of the medical literature are also presented as tools to assist in medical decision-making. Discussion and role-playing are the main educational modalities used. The cases presented will follow those disease states covered in Clinical Medicine I & II and the laboratory tests and imaging methods presented in the Diagnostic Skills course and the medication treatment options presented in Pharmacotherapeutics. In addition concepts of ethical and professional expectations and conduct and legal issues will be included. Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5523, PAS5533, PAS5560, PAS5620.

Offered at Providence

4 Semester Credits

PAS6100 Introduction to Clinical Practice Course

This lecture and laboratory based course is designed as a transitional course to provide the students with the needed skills to effectively navigate their learning and the clinical setting. The laboratory portion of this course will teach commonly utilized clinical procedures and skills which students will be performing while on rotations.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725.

Offered at Providence

2 Semester Credits

PAS6200 Family Medicine Clinical Course

This is a five-week required clinical rotation for second-year PA students which 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 pediatric, adult and geriatric patients. Students actively engage in applying medical knowledge gained during the didactic year, and demonstrating and continuing development of clinical reasoning and communication skills to the evaluation and management of problems encountered in the ambulatory family medicine settings to include pediatric, 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 his or her designee(s). For the Family Medicine Clinical Course the program-determined preceptor is a physician who is board certified in Family Medicine.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence

4.5 Semester Credits

PAS6250 Internal Medicine Clinical Course

This is a five-week required clinical rotation for second year PA students which focuses on the role of the physician assistant in Internal Medicine. Students gain experience in the prevention, diagnosis and treatment of adult diseases in both the ambulatory/outpatient and hospital/inpatient settings. Students spend time in an outpatient internal medicine office to gain experience in the practice of general internal medicine and the prevention, diagnosis and treatment (and referral when appropriate) of adult patients best managed in the ambulatory setting. Inpatient experiences allow the student to focus on the management and treatment of more complex patients requiring hospitalized care. 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 their patients. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or his or her designee(s). For the Internal Medicine Clinical Course, students work under the supervision of a physician who is board certified in Internal Medicine.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence

4.5 Semester Credits

PAS6300 Pediatric Medicine Clinical Course

This is a five-week required clinical rotation for second year PA students which focus on the role of the physician assistant in a pediatric care setting. The student will 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 the pediatric medicine. Students will also work to incorporate a collaborative patient centered humanistic approach as well as health promotion, disease prevention, patient education and counseling in their patient encounters. The student will 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.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5725, PAS6100.

Offered at Providence

4.5 Semester Credits

PAS6350 Women's Health Clinical Course

This is a five-week required clinical rotation for second year PA students which focus on the role of the physician assistant in women's health. The student will 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 the women's health. Students will also work to incorporate a collaborative patient centered humanistic approach as well as health promotion, disease prevention, patient education and counseling in their patient encounters. The student will gain knowledge, experience and clinical skills needed to effectively recognize, manage and treat (including referral) common acute, urgent, emergent and chronic diseases and conditions encountered in gynecology, obstetrics and pre-natal care. In addition focus should also be on routine women's and prenatal health care maintenance and the changing health needs of women throughout their lifespan.

Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence

4.5 Semester Credits

PAS6400 Emergency Medicine Clinical Course

This is a five-week required clinical rotation for second year PA students which focus on the role of the physician assistant in the emergency department setting. The student will 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, urgent and emergent problems commonly encountered in emergency medicine. The student will 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 geriatrics patient presentations and work as a member of the emergency department team. Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence
4.5 Semester Credits

PAS6450 Behavioral and Mental Health Clinical Course

This is a five-week required clinical rotation for second year PA students which focus on the role of the physician assistant in the psychiatry/mental health setting. The student will 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 will also work to adapt the standard medical history, physical examination, diagnostic and treatment plans to the psychiatric patient. The student will 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 and mental health. Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence
4.5 Semester Credits

PAS6500 Surgery Clinical Course

This is a five-week required clinical rotation for second year PA students which focuses on the care of the surgical patient and the role of the physician assistant on the surgical patient management team to include the pre-operative, intra-operative and post operative care and management. The student will 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 will work toward expanding their knowledge of surgical care and 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. Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence
4.5 Semester Credits

PAS6600 Clinical Elective Course I

Each student is granted to opportunity to complete two five week elective rotations designed to facilitate the student's 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. The student will actively engage in applying basic medical knowledge, demonstrating and continuing development of their clinical reasoning and communication skills to the evaluation of problems encountered within the discipline or medical specialty chosen. The experience will enhance the student's 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. The student will gain knowledge and experience in the evaluation, treatment and management including referral of common diseases and conditions encountered in the chosen discipline or medical specialty. Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence
4.5 Semester Credits

PAS6700 Clinical Elective Course II

Each student is granted to opportunity to complete two five week elective rotations designed to facilitate the student's 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. The student will actively engage in applying basic medical knowledge, demonstrating and continuing development of their clinical reasoning and communication skills to the evaluation of problems encountered within the discipline or medical specialty chosen. The experience will enhance the student's 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. The student will gain knowledge and experience in the evaluation, treatment and management including referral of common diseases and conditions encountered in the chosen discipline or medical specialty. Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence
4.5 Semester Credits

PAS6800 Master's Course

This course is the culmination work representative of the students medical and clinical knowledge and skills and contains an evidence based researched case presentation of an actual patient encounter. In addition, this course houses the written summative examination and an Objective Structured Clinical Examination (OSCE). Prerequisite(s): PAS5100, PAS5200, PAS5325, PAS5344, PAS5425, PAS5454, PAS5464, PAS5523, PAS5533, PAS5560, PAS5570, PAS5620, PAS5630, PAS5643, PAS5653, PAS5725, PAS6100.

Offered at Providence
1 Semester Credit

Physics (PHY) Courses

PHY1011 General Physics I

PHY1011 is the first of a two part introductory Physics course sequence using algebra-based approaches to analyze physics phenomena. It introduces students to vector algebra and the basic principles of classical mechanics, applying the concepts of work, energy, linear momentum, and angular momentum to physical phenomena. PHY1011 must be taken concurrently with the laboratory section (see PHY1015, General Physics I Laboratory). Prerequisite(s): MATH1020 (or concurrent) or math placement, Corequisite: PHY1015.

Offered at Providence, Providence CE
4.5 Quarter Credit Hours

PHY1015 General Physics I Laboratory

PHY1015 is an introductory algebra based Physics Laboratory that meets three hours a week. It is an inquiry based 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 concurrent) or math placement, Corequisite: PHY1011.

Offered at Providence, Providence CE

1.5 Quarter Credit Hours

PHY1022 General Physics II

PHY1022 is the second of a two part introductory Physics course sequence using algebra-based mathematical approaches to analyze physics phenomena. It introduces students to heat, wave propagation, wave energy, reflection, refraction, electricity, magnetism, circuits, and semiconductors. PHY1022 must be taken concurrently with the laboratory section (see PHY1025, General Physics II Laboratory).

Prerequisite(s): MATH1020, (PHY1011, PHY1015 or SCI1011, SCI1041), Corequisite: PHY1025.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

PHY1025 General Physics II Laboratory

PHY1025 is an introductory algebra based Physics Laboratory that meets three hours a week. It is an inquiry based laboratory course 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, PHY1015 or SCI1011, SCI1041), Corequisite: PHY1022.

Offered at Providence, Providence CE

1.5 Quarter Credit Hours

PHY2011 Physics I

PHY2011 is the first of a two part introductory Physics course sequence using calculus-based approaches to analyze physics 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. PHY2011 must be taken concurrently with the laboratory section (see PHY2015, Physics I Laboratory).

Prerequisite(s): MATH1040 (or concurrent), Corequisite: PHY2015.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

PHY2015 Physics I Laboratory

PHY2015 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, Providence CE

1.5 Quarter Credit Hours

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. PHY2022 must be taken concurrently with the laboratory section (see PHY2025, Physics II Laboratory).

Prerequisite(s): MATH1040, ((PHY1011, PHY1015) or (PHY2011, PHY2015) or (SCI1011, SCI1041) or (SCI2011, SCI2041)), Corequisite: PHY2025.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

PHY2025 Physics II Laboratory

PHY2025 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, PHY1015) or (PHY2011, PHY2015) or (SCI1011, SCI1041) or (SCI2011, SCI2041)), Corequisite: PHY2022.

Offered at Providence, Providence CE

1.5 Quarter Credit Hours

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, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

PSCI3005 Political Ideologies and the 21st Century

The culmination of historical events and processes of the past century provides essential context for understanding the rising political ideologies of the 21st century. These include the sometimes radical ideologies that impact current events. In some cases, ideologies of this century are in opposition to each other, as demonstrated in Globalization/Anti-Globalization movements. Movements such as Anarchism, and Libertarianism perceived as marginal, play a considerable role in shaping political events in the United States and abroad. Digital movements of disruption, such as Anonymous, represent new modes of ideology, power and expression, intended to radically jolt and disrupt orders of war, political violence, and state power. Religion provides another source of political ideologies, some that are nihilistic, anti-state, and committed to re-imagining ways in which state and societies are governed. Insurgent ideological-terrorist movements such as ISIS resist the modern, secular nation-state order, through its quest for a 21st century caliphate. The fate of ideologies with their roots in the 19th and 20th centuries, such as environmentalism, feminism, fascism, radical-right wing, anti-government, and anarchist ideological strands and groups in the 21st century is explored, focusing on emerging and splinter groups influencing the political landscape of the present, and possibly the future. Prerequisite(s): ENG1021 or ENG1027. (OL) Offered at Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): HIST3200, ENG1021 or ENG1027, sophomore status. Offered at Providence
4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

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. 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 Providence

4.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

PSCI3899 Political Science Internship

This course allows students to choose an internship from a variety of fields, such as public service or communications, and many settings, including government or nonprofit agencies, law or business firms, or others related to their interests. Internship assignments provide opportunities for students to gain real-world experience by applying their skills and knowledge to meet the needs of a government, business or community organization.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, and 2) have completed 90 hours of course work.

Offered at Providence

4.5-13.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

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 Providence

4.5 Quarter Credit Hours

Project Management (PRMG) Courses

PRMG2010 Introduction to Project Management

This course gives students an understanding of project management practices, concepts, and tools using projects in the real world. Students focus on successfully organizing a single project using the knowledge areas associated with the project life cycle. Learning to identify potential projects based on strategic business planning, they produce portions of a basic project plan, scope statement, work breakdown structure, and Gantt charts. Other course topics to be discussed in a broader context include: forming and leading a project team, project manager competencies, project organization, time and resource management, cost management, quality management, human resource management, communications management, and risk management. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

PRMG3010 Advanced Project Management

This course teaches students to initiate, plan, execute, monitor, control and close a project in the real world. Using a real-world project plan, students become competent in the following areas of project management: project integration, project scope, project time, project cost, project quality, project human resources, project communications and project risk management. Students practice these skills individually and in teams by applying them to a real-world project. Students also gain understanding of the application of project management processes.

Prerequisite(s): PRMG2010. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

PRMG4010 Project Management Application and Experiential

This course is the third of a concentration series that allows students to apply their knowledge of project management to real-world projects. Project teams are assigned projects at the beginning of the term and, based on their timeline, deliver the complete project at the end of the term or develop strategies for phase-gating the project to another team. Projects are acquired through an intake process monitored by the director and assigned to each team based upon prior experience and ability.

Prerequisite(s): PRMG3010.

Offered at Providence

4.5 Quarter Credit Hours

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. (SL) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

PSYC2040 Psychological Issues of Addiction and Compulsive Behavior

This course examines the various types of addictions 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 substance abuse addiction, sexual addictions, eating disorders and other compulsive behaviors. Relevant topics such as the addictive process and personality are addressed along with the familial effects and psychosocial impact of addiction on business and industry. Various treatment approaches and methods of recovery are discussed. Methods of awareness, identification and distinction between various compulsive disorders and addiction along with the biopsychosocial model of addiction are delineated.

Prerequisite(s): PSYC1001.

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

PSYC2150 Interpersonal Processes in the Workplace

This course will expose students to the personality theories and how they are manifested in behaviors in the workplace, including organizational morale, culture, and productivity. Using theoretical and empirical research, it will also provide students with managerial approaches for addressing the dynamics of personalities and behaviors in the workplace.

Prerequisite(s): PSYC1001.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

PSYC3010 Personality

Students engage in the 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 Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, SCI2031.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

PSYC3099 Psychology Internship

Students may choose an internship in a variety of fields, such as public service or communications, and in many settings, including nonprofit and government agencies, arts organizations, or others related to their interests. Internship assignments provide opportunities for students to gain real world experience by applying their skills and knowledge to meet the needs of a business, agency or community organization.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 during the entire pre-program application process, and 2) have completed 90 hours of course work.

Offered at Denver, Providence, Providence CE
4.5-13.5 Quarter Credit Hours

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 Denver, Providence, Providence CE
4.5 Quarter Credit Hours

PSYC3150 Applied Behavior Analysis

This course provides students with research based skills and techniques to modify and eliminate undesirable workplace behavior and environments. Differentiating between goals and objectives, collecting, analyzing and displaying data, choosing effective reinforcements and schedules and determining punishments provide the theoretical foundation for writing a behavior plan for an employee(s) or organization whose maladaptive behavior is negatively impacting production and/or morale. Additionally, the importance of pro-social modeling and self-managing behavior is stressed and practiced.

Prerequisite(s): PSYC1001.
Offered at Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE
4.5 Quarter Credit Hours

PSYC3260 Human Systems Integration

This course examines how human characteristics and the environment interact in the achievement of organizational goals and objectives. Using psychological principles in systems design, students focus on the physical, physiological, perceptual, cognitive and organizational considerations that affect organizational performance. Optimizing organizational performance through the human systems integration's (HSI) major domains of manpower, personnel, training, human factors engineering, health hazards and occupational health is emphasized.

Prerequisite(s): MGMT2020, PSYC2020.
Offered at Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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 Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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): PSYC3100.
Offered at Denver, Providence, Providence CE
4.5 Quarter Credit Hours

PSYC4250 Contemporary & Critical Issues in Organizational 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 organizational 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 Denver, Providence, Providence CE
4.5 Quarter Credit Hours

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 Charlotte, Denver, Providence, Providence CE
4.5 Quarter Credit Hours

PSYC5100 Advanced Developmental Psychology

This course surveys classic and current work in developmental psychology including the foundational work of Piaget, Kohlberg, Bowlby and Vigotsky, as well as contemporary theorists. To understand the developmental process, students take a life-span approach to researching the topic. Students become familiar with general developmental paradigms and study examples of how findings related to the resulting theories play a role in education. Topics include development across a broad range of domains, including cognitive, linguistic, moral, social and emotional development. Students analyze the basic assumptions held by behaviorists, constructivists, developmental systems theorists and nativists, and consider how these paradigms influence knowledge about human functioning. Students consider the educational ramifications of current knowledge about development. State-of-the-art approaches and influential research findings are incorporated.

Offered at Providence

4.5 Quarter Credit Hours

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. An emphasis will be placed upon modification of baseline neurotransmitter systems by current treatment protocols and medications under development.

Offered at Providence

4.5 Quarter Credit Hours

Religion (REL) Courses

REL3001 Comparative Study of World Religions: An Interdisciplinary Approach

This course introduces the students to the world's great religions; Hinduism, Buddhism, Judaism, Christianity and Islam are emphasized. The focus is interdisciplinary and includes history, cultural traditions and textual analysis of each religion's literature in relation to these religions.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

Research (RSCH) Courses

RSCH2050 Research Methods in Applied Settings

This course provides students with the required knowledge to conduct basic research in the social sciences, including evaluation of primary and secondary research and learning to use and interpret statistics in specific applied situations. Using quantitative and qualitative research methods, students learn how to plan, conduct and write a research project, and select and interpret data. Students learn APA documentation, engage in exercises in primary sourcing techniques and receive an overview of the publication process.

Prerequisite(s): MATH2001, PSYC1001 or SOC1001 or SOC2005. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 advisor during the development of an Honors Thesis Prospectus. Students complete the Honors Thesis in RSCH 4020, the Honors Directed Academic Experience.

Prerequisite(s): ENG1024 or English placement, honors status. (HY)

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RSCH3100 Experimental Design in the Social and Behavioral Sciences

This course is focused on the various quantitative research methodologies that can be utilized to conduct and interpret scientific research in the social and behavioral sciences. In addition to advanced research design and corresponding statistical techniques (e.g., ANOVA, MANOVA, Structural Equation Modeling, Meta-Analysis), students will explore complex ethical, socio-cultural, and geo-political issues that impact the design, interpretation, and use of scientific results.

Prerequisite(s): MATH2002, RSCH2050.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

RSCH3200 Qualitative Inquiry

This course focuses on the various qualitative research methodologies that can be utilized to conduct and interpret scientific research in the social and behavioral sciences. In addition to advanced research design and corresponding statistical techniques (e.g., ethnography, case study, narratives, instrument design, textual data coding and analysis), students explore complex ethical, socio-cultural and geopolitical issues that impact the design, interpretation and use of scientific results.

Prerequisite(s): MATH2001, RSCH2050.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

RSCH3300 Community Action Research

Through identifying real world research questions and corresponding community agents, students will design and propose a community action research project. This course focuses on hypothesis generation, comprehensive literature review and the utilization of both quantitative and qualitative research methodologies to prepare students to execute the proposal in RSCH4400: Integrative Applied Research Seminar. Communication skills in the discipline are emphasized including oral and written presentations to faculty, class, and community.

Prerequisite(s): RSCH3100, RSCH3200.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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 will be 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 will submit portions of the project to the Faculty Mentor at regular intervals, it is expected that students will 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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RSCH4050 Research Seminar in Counseling Psychology

This capstone course is designed to complete the major program of study by integrating the student's prior academic experiences in Counseling Psychology. A seminar format is used to encourage student participation and interaction with peers and with faculty. Each participant chooses a topic within their area of specialization. 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 Denver, Providence, Providence CE

4.5 Quarter Credit Hours

RSCH4400 Integrative Applied Research Seminar

A capstone experience in the Applied Research minor, this course will have students conduct the research study proposed in RSCH 3300, including data collection, analysis and interpretation of findings. Students will be required to share applied implications of findings with the community agents impacted, as well as preparing a formal professional conference and/or journal submission. Advanced case studies will be used throughout the course to integrate previously learned applied research and statistical analyses content to promote scientific reasoning and critical thought.

Prerequisite(s): RSCH3300.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

RSCH5150 Research Methods in Applied Counseling Settings

This course is designed to familiarize students with research that extends the professional knowledge base. Emphasis is placed on development of specific research skills regarding the research question, the literature review, the research design, the methodology, and the reference section. This experience will prepare the student as a professional to understand, evaluate, and design research projects.

Offered at Providence

4.5 Quarter Credit Hours

RSCH6100 Research and Theories in Addictions Counseling

This course examines the various approaches, theories and philosophies for counseling addictive disorders and other compulsive behaviors. Emphasis is placed on a biopsychosocial model of treatment and counseling. Recognition of signs and symptoms, client resistance, stages of change and motivational theories is explored. Both traditional and alternative theories of addiction treatment are examined. Understanding and knowledge of the Twelve Core Functions of the addiction counselor will also be a theme throughout this course.

Prerequisite(s): RSCH5150.

Offered at Providence

4.5 Quarter Credit Hours

RSCH6150 Research and Theories in Mental Health Counseling

This course examines the established and emerging theories and models of mental health counseling, including historical contexts and key names, terms and concepts. The course also focuses upon how theory translates into effective counseling practice and considers available outcome research. Students are expected to be able to articulate a tentative personal theoretical orientation at the end of the course.

Prerequisite(s): RSCH5150.

Offered at Providence

4.5 Quarter Credit Hours

Retail (RTL) Courses

RTL1005 Retailing

This course is designed to introduce the student to the field of retailing. Emphasis is placed on basic principles of the retail environment, retail operations and retail administration. Career paths and leadership styles are incorporated into this course. Current conditions and newer concepts and practices in the field are highlighted, with special attention focused on industry terminology.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

RTL1010 Textiles

This course is an overview of the production and utilization of fibers, yarns and fabrics. Emphasis is placed on the performance of textiles for specific end uses.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RTL1020 The Business of Fashion

This introductory course is designed to increase students' powers of observation, research and analysis of fashion. Students learn the vocabulary of the field, the structure of the industry, domestic and foreign designers, and historical as well as contemporary influences on fashion. The motivations of dress, theories of fashion adoption and the fashion lifecycle are explored as sources of information to establish fashion statements and forecast fashion trends.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

RTL1050 Visual Merchandising

This course is an overview of the field of visual merchandising. Emphasis is placed on the importance of store image, color and composition, types of displays, and fixtures. Other topics include the use of mannequins, mannequin alternatives, signage and graphics, and floor plans.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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): RTL1005 or MRKT1001, sophomore status.

Offered at Charlotte, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

RTL2010 Apparel Quality Analysis

This course provides students with a method for evaluating the quality of ready-to-wear apparel. Using an industry approach, the course integrates the study of traditional clothing construction with that of apparel production. 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): RTL1010.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RTL2050 Fashion Promotion

The theory of fashion promotion is explored as it relates to the selling of fashion merchandise to the public. This course explores the nature of the fashion promotion industry and its use of various media to make consumers aware of current trends and styles. The text addresses itself to the career-minded student who wants to be involved in the marketing, merchandising and promotion of fashion.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

RTL2063 Retail Industry Seminar

This course is offered in three components. One component is devoted to the mathematics of merchandising with its ramifications and effects on profitability and terms of sale. The second component is presented in seminar and case study format where students explore the importance of decision making and its effects at all levels of the retail industry. The third component is the industry field trips. Students are encouraged to examine personal and professional goals as they visit with local industry guests/hosts. Students are encouraged to network with industry speakers and begin planned career opportunities for the future.

Prerequisite(s): RTL1005, RTL1020.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RTL2095 Fashion and Retail Lab

This course gives students laboratory experience in merchandising functions. Students participate in a simulated work environment under the supervision of faculty with expertise in the industry. Market analysis and trend research are included with "back-of-the-house" simulations in buying, vendor communications, catalog operations and merchandise promotion modules.

Prerequisite(s): RTL1005, RTL1010, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RTL3010 Merchandise Buying

This course provides the student with the principles that govern the movement of merchandise. Students are expected to know the environmental factors that influence the behavior of consumers and the techniques for determining and predicting merchandise cycles. This course outlines the merchandising activities and marketing trends of those industries involved with producing and providing goods in the marketplace. The options of the buyer in making merchandise budgets, plans and decisions are presented. This background provides the basis for examining 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): RTL1005.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

RTL3020 Merchandise Mathematics

This course is designed to examine the philosophies, theories and techniques underlying the allocation of merchandise investments, control of sales and control of inventory (including planning and pricing) in retail stores. The course approaches retail management from the standpoint of the retail businessperson and is intended to serve as a tool for the student of retailing or merchandising.

Prerequisite(s): RTL1005. (HY)

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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): RTL1010, RTL1020. (HY)

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RTL3060 Fashion Forecasting

This course introduces the student to the field of fashion forecasting. Emphasis is on the framework of fashion forecasting, fashion and market dynamics of fashion forecasting and utilizing these dynamics in the global retail workplace. Current conditions, concepts, practices and research in the retail field are focused on throughout the course with special attention placed on industry terminology; case studies utilizing market research and competitive analysis are incorporated into this course.

Prerequisite(s): RTL1005, RTL1020. (HY)

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

RTL3070 Textile Design for the Apparel and Home Furnishings Industry

This hands-on course is an introduction to basic textile design techniques used by designers and manufacturers. Topics include motif development, croquis design, and repeat patterns. Methods of surface printing include direct painting, stenciling and block printing. Basic weaving or knitting patterns, embroidery, beading and applique are also explored. Students develop an appreciation for the historic and cultural value relevant to each method, and create collections of textile samples as they solve design problems.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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): MRKT1001, sophomore status.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

RTL4010 Retail Executive Decision Making

This is a senior-level capstone course designed to give students insight into retail strategy. Using a variety of teaching methods, this course is intended to develop critical thinking skills and abilities needed to enter executive-level positions in the retail industry. Focus is also given to making merchandising and buying decisions.

Prerequisite(s): RTL3030, senior status.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

RTL4099 Retail Internship

This course provides students the opportunity to gain academic credit for successfully completing internships in retailing operations and any retail-related industries. Upon completion of this course, student have an understanding of the demands and expectations for retail industries as well as the roles played by other necessary and related industries that all make for a successful store operation.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5-13.5 Quarter Credit Hours

RTL4120 Fashion Merchandising & Retailing in an International Context

This course is taught as a variable 4.5-13.5 credits class only as part of a short-term summer study abroad program. Students are placed in an international context in which they can gain firsthand knowledge of how multinational fashion/retail organizations use trend analysis and forecasting in designing collections to promote both products and brands globally. The course includes industry visits, cultural excursions and experience-based projects.

Prerequisite(s): RTL1005, RTL1010, MRKT1001, acceptance into Study Abroad program.

Offered at Charlotte, Denver, North Miami, Providence

4.5-13.5 Quarter Credit Hours

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 health and safety risks.

Prerequisite(s): MGMT1001 or MGHI1000, sophomore status. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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): (MGMT1001 or MGHI1000), RMGT2001. (OL)

Offered at Online, Providence, Providence CE

4.5 Quarter Credit Hours

RMGT4010 Risk Analysis and Loss Prevention

This course provides students with a course in risk management and loss prevention. It addresses the risk countermeasures and their pros and cons and provides students with a systematic approach to logical decision-making about the allocation of scarce security resources. Further the course describes the risk management methodology as a specific process, a theory, or a procedure for determining assets, vulnerabilities, and threats and how security professionals can protect them.

Prerequisite(s): RMGT2001. (OL)

Offered at Online, Providence, Providence CE

4.5 Quarter Credit Hours

RMGT4099 Risk Management Internship

This internship offers the student hands-on experience in risk management functions in a professional setting. The student has an opportunity to gain real-world experience in selected areas such as staff planning, asset protection, risk analysis, management of personnel and like activities. Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor. Offered at Providence, Providence CE
4.5-13.5 Quarter Credit Hours

Russian (RUS) Courses

RUS1001 Supervised Independent Russian I

This structured independent study course combines a required curriculum with weekly conversation sessions. Students must take considerable responsibility for their own learning. The course is an introduction to Russian language with emphasis on mastering Russian alphabet, vocabulary acquisition, reading, basic grammar constructions, and oral communication. Offered at Providence
2.25 Quarter Credit Hours

RUS1002 Supervised Independent Russian II

This self-instructed course is a continuation of the Supervised Independent Russian I. Students' vocabulary is expanded to words used when dealing with such topics as time, days of week, weather, shopping, daily and weekly routine, etc. The grammar constructions used include declination of nouns; verbs in present, past and future tenses; and adjectives. At weekly conversation sessions the students are also exposed to some aspects of life in present-day Russia. Prerequisite(s): RUS1001 or equivalent. Offered at Providence
2.25 Quarter Credit Hours

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, Providence CE
4.5 Quarter Credit Hours

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 will be discussed. (OL) Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL) Offered at Charlotte, Denver, Denver CE, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (HY) Offered at Denver, Denver CE, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

SCI1050 Nutrition

This course in basic human nutrition examines metabolic energy derived from carbohydrates, proteins and lipids. Pathways for the 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 is also discussed. (OL) Offered at Charlotte, Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

SCI2020 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. (OL) Offered at Charlotte, Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL) Offered at North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

SCI2031 Anatomy and Physiology

This basic 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. (OL) Offered at Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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 roles of governments, markets, and nonprofit organizations in the implementation of sustainable development laws and policies. Prerequisite(s): ENG1021 or ENG1027, SCI1010. (OL) Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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 agricultural 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, SCI1010. (OL) Offered at Charlotte, Denver, North Miami, Online, Providence
4.5 Quarter Credit Hours

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, SCI1010. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

SCI3500 How Drugs Work

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, BIO1015) and SCI2031) or (BIO2041, BIO2045), sophomore status.

Offered at Providence

4.5 Quarter Credit Hours

SCI3611 Infectious Disease

This course examines the principles of microbial classification, metabolism, genetics and ecology relevant to human health and disease. Factors affecting microbial growth and pathogenicity are discussed. The key aspects of microbe-human interactions, including the stages of infection, host defenses, and the roles of normal resident microbes in health and in chronic disease states are addressed. The prevention, detection and control of infectious diseases causing significant morbidity and mortality worldwide are explored as key components of this course.

Prerequisite(s): ((SCI1015 or BIO1011, BIO1015) and SCI2031) or (BIO2021, BIO2025, BIO2041, BIO2045), Corequisite: SCI3615.

Offered at Providence

4.5 Quarter Credit Hours

SCI3615 Infectious Disease Laboratory

This is a laboratory companion course to be taken concurrently with Infectious Disease. In this course, students examine the properties of clinically relevant infectious agents, selected host responses to infection, and factors affecting the growth and control of infectious agents. Students identify and classify agents involved in human pathogenesis and/or in the maintenance of human health as part of the microbiome. Topics include methods used in hospital settings for the collection and transport of clinical specimens. Unknown microorganisms are identified using both traditional and rapid methods. Applications of the principles and techniques critical for infection prevention, diagnosis and treatment are key components of this course.

Prerequisite(s): ((SCI1015 or BIO1011, BIO1015) and SCI2031) or (BIO2021, BIO2025, BIO2041, BIO2045), Corequisite: SCI3611.

Offered at Providence

2.25 Quarter Credit Hours

SCI4060 Food Microbiology

Food Microbiology introduces students to a wide variety of topics regarding the biology of food and water associated microorganisms. Important topics include: all varieties of microbial agents of food and water borne disease, characteristics of important species of food spoilage microbes, identification and control of disease agents associated with food and water, beneficial microbial action, microbial genetics and bacterial genomics. The interaction of microbes with the human digestive and immune systems is also studied.

Prerequisite(s): SCI1015, SCI2031, Corequisite: SCI4061, senior status or permission of department chair.

Offered at Denver, Providence, Providence CE

4.5 Quarter Credit Hours

SCI4061 Food Microbiology Lab

Food Microbiology Lab is a laboratory companion course coordinated with SCI4060. Using live cultures, students examine the properties of various microbes and factors which contribute to their control and their contamination of foods. Unknown microbes are identified using both traditional and genetic microbiological techniques. Beneficial microorganisms are also studied. Students master microscopy using compound light microscopes.

Prerequisite(s): SCI1015, SCI2031, Corequisite: SCI4060, senior status or permission of department chair.

Offered at Denver, Providence, Providence CE

2.25 Quarter Credit Hours

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 group's topics, and presents their findings to the entire class. This multi-disciplinary seminar serves as an integrative course employing the strategies that will build a sustainable future.

Prerequisite(s): SCI1010, SCI3020, SCI3070, SCI3080. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

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. (SL) (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

SOC2002 Sociology II

This course is a continuation of Sociology I focusing on patterns of behavior or institutions that our culture has established. Emphasis is placed on studying those institutions which are essential to the survival of the individual and the group.

Prerequisite(s): SOC1001 or SOC2005. (SL)

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 will 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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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. (SL)

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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. (SL) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

SOC3020 Culture and Food

Culture and Food is a course on the sociology of food. Students are challenged to think and rethink the place of food in the human experience. The course focuses on how the discipline of sociology, and its borrowing from anthropology and other fields, examines food as a cultural and social artifact and how food and social identity intersect. (SL) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 SPAN1011 or language placement. (OL)

Offered at Charlotte, Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

SPAN1011 Conversational Spanish I: Specialized Vocabulary

This course is designed as an introduction to the Spanish language and is tailored specifically to the needs of culinary and hospitality students. Emphasis is placed on basic sentence structure and oral communication, skills that students can use in the workplace. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

SPAN2001 Conversational Spanish III

This advanced intermediate course is designed to perfect the usage of advanced grammar through extensive conversational drill, directed reading, composition and laboratory practice.

Prerequisite(s): SPAN1002 or language placement.

Offered at Charlotte, Denver, Providence, Providence CE

4.5 Quarter Credit Hours

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

4.5 Quarter Credit Hours

SPED5120 Assessment and Evaluation of Exceptional Learners

This course teaches candidates the steps in the special education referral and evaluation process, as delineated by Rhode Island and federal regulations. Students learn to 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. Using 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. Participants gain the knowledge and skills needed as a special education teacher to conduct an individualized educational evaluation using technology and formal and informal assessment measures to determine eligibility and to develop an IEP.

Prerequisite(s): EDUC5120, SPED5110.

Offered at Providence

4.5 Quarter Credit Hours

SPED5130 Communication: Language Development and Learning

This course teaches students that language development forms the basis for learning and is a key component in fostering student progress. Issues addressed include those surrounding speech and language development as it relates to learning, both as a language disability and as an English language learner.

Prerequisite(s): EDUC5220, EDUC5240.

Offered at Providence

2.25 Quarter Credit Hours

SPED5150 Curriculum and Methods for Exceptional Learners

This course is designed to teach participants how to develop instruction that targets the learning differences of students with exceptionalities. Participants interpret data within a problem-solving framework with the goal of enabling exceptional learners to succeed. Curriculum-based evaluation procedures are used to identify important learning goals in content areas and use instructional strategies, accommodations and modifications to facilitate student learning and progress monitoring. Additionally, participants develop and interpret Individualized Education Plans (IEPs) to design explicit instruction and individualize to meet student needs.

Prerequisite(s): EDUC5260, EDUC5280 or EDUC5190, EDUC5230.

Offered at Providence

4.5 Quarter Credit Hours

SPED5170 Collaboration: Home/School/Community

This course prepares participants to effectively collaborate in culturally responsive ways with families, other educators, related service providers and personnel from community agencies, particularly as they relate to the IEP process. Participants are taught to focus on the role of the family as addressed by IDEA, and to work through the special education processes of referrals, evaluations, IEPs and transitions of individuals with exceptional learning needs. Participants explore and develop transition plans for students with exceptionalities. Participants learn the role of the special educator as advocate and facilitator of collaboration throughout these processes.

Prerequisite(s): EDUC5260, EDUC5280 or EDUC5190, EDUC5230.

Offered at Providence

2.25 Quarter Credit Hours

SPED6110 Understanding and Managing Behavior

This course examines the fundamentals of classroom management and student behavior that are critical to successful learning environments and social interactions. 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. Through classwork and lab experience, a range of social, emotional, behavioral and psycho-educational theories and interventions are examined and discussed.

Prerequisite(s): EDUC5270, SPED5130.

Offered at Providence

4.5 Quarter Credit Hours

SPED6850 Student Teaching: Elementary Special Education

Students in this course spend 12 weeks in a teaching situation at a public elementary school site under the direct supervision of a cooperating special education teacher. Student teachers plan lessons and demonstrate their ability to teach and work effectively. During the course, students are required to demonstrate their understanding of and competence in the RIPTS and CEC Standards by producing a student teachers portfolio. Students may participate in ad hoc seminars related to their student teaching experience.

Prerequisite(s): EDUC6120, EDUC6140, SPED6110, passing score on Praxis II Elementary Education Content Area Exam, department permission.

Offered at Providence

9 Quarter Credit Hours

SPED6870 Student Teaching: Secondary Special Education

Students in this course spend 12 weeks in a teaching situation at a public secondary school site under the direct supervision of a cooperating special education teacher. Student teachers plan lessons and demonstrate their ability to teach and work effectively. During the course, students are required to demonstrate their understanding of and competence in the RIPTS and CEC Standards by producing a student teachers portfolio. Students may participate in ad hoc seminars related to their student teaching experience.

Prerequisite(s): EDUC6120, EDUC6130, SPED6110, passing score on Praxis II Content Area Exam, department permission.

Offered at Providence

9 Quarter Credit Hours

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, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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): FSM1001 or FSM3001 or HOSP1001 or MGHI1000 or MGMT1001 or SEE1001.

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

SEE2010 Facilities Operations

This course introduces students to the functions, procedures and systems necessary to plan, develop, operate and maintain indoor/outdoor sport and recreation facility environments. Emphasis is on the importance of the facility manager's role in maintaining the physical plant and grounds for maximum safety, comfort and profitability.

Prerequisite(s): FSM1001 or FSM3001 or HOSP1001 or SEE1001.

Offered at Charlotte, Providence

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

SEE2020 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): FSM1001 or FSM3001 or HOSP1001 or MGH11000 or MGMT1001 or SEE1001. (HY)
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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): FSM1001 or FSM3001 or HOSP1001 or MCST1010 or MGH11000 or MGMT1001 or SEE1001.
Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

SEE2070 The Gaming Industry

This introductory course is designed to familiarize students with the many facets of the entire gaming industry. Topics to be covered include: the history of gambling, common forms of gambling, major gaming destinations, career paths, gaming industry leaders, regulation and licensing and basic organization of a casino resort. Current trends and issues in the industry are also discussed. Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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 SEE2020) or (SEE2010, SEE2020, SEE2030).
Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

SEE3010 Ticketing Methods and Data Analysis in Sports, Entertainment and Event Management

This course explores the many facets 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. (HY)
Offered at Charlotte, Denver, North Miami, Providence
4.5 Quarter Credit Hours

SEE3015 Managing Gaming Operations

This advanced course is designed to familiarize the student with basic knowledge about managing casino properties. Discussions include casino financial management, organizational structure, gaming terminology, casino design, with special emphasis on casino marketing. International and internet gaming markets are also explored. A field trip to a pre-selected casino is mandatory. Prerequisite(s): SEE2070. (HY) (OL)
Offered at Denver, Online, Providence, Providence CE
4.5 Quarter Credit Hours

SEE3020 Professional Sports 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. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence
4.5 Quarter Credit Hours

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): LEAD1010. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence
4.5 Quarter Credit Hours

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): SEE2020 or HOSP2011 or FSM3001. (HY) (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): SEE2020 or HOSP2011 or FSM3001. (OL)
Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE
4.5 Quarter Credit Hours

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): SEE2020, must be accepted in Study Abroad program.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
9 Quarter Credit Hours

SEE3060 Concert and Event Production

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): MCST2010 or SEE2030.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

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 HOSP2011 or SEE2020. (OL)

Offered at Charlotte, Denver, Online, Providence
4.5 Quarter Credit Hours

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 Denver, North Miami, Providence

4.5 Quarter Credit Hours

SEE3099 Sports/Entertainment/Event Management Internship

This junior-level course provides the opportunity for the application of acquired skills and knowledge in a supervised sports/entertainment/event-related industry setting.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 during the entire pre-program application process, and 2) have completed 90 hours of course work.

Offered at Charlotte, Denver, North Miami, Providence

4.5-13.5 Quarter Credit Hours

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. (OL)

Offered at Denver, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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 Denver, North Miami, Providence

4.5 Quarter Credit Hours

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. (HY)

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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): Junior status. (HY)

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

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 LAW2010. (HY) (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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. (HY)

Offered at Charlotte, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence

4.5 Quarter Credit Hours

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): (FISV2000 or FISV2010, SEE4050) or (ACCT3020 or ACCT3025, HOSP3050 or MRKT1001), senior status. (HY)

Offered at Charlotte, Denver, North Miami, Providence

4.5 Quarter Credit Hours

Technology Experiential Education (TECX) Courses

TECX4020 Technology Solo Project

This course allows each student to design, build, implement, or research an actual technology project related to his or her degree program. Under the supervision of a faculty advisor, each student selects an appropriate project (often from a list of project requests submitted to the School of Engineering & Design), sets a completion schedule, reports on project progress, and finally writes an extensive final report on the results of the project. Students defend their work and report in an oral presentation before a faculty panel.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

TECX4045 Technical Solutions Team I

In this class, students act as part of a working technology project team. During the term prior to the beginning TSTI, each student applies for a position on a particular team working on a specific project; only students accepted for such positions will be admitted into the course. Students begin TSTI with a series of lectures and workshops that familiarize them with the project methods and protocols used by TSTI. They then work under the supervision of a faculty project manager and subject matter advisors. Teams submit their work for regular phase reviews; set and conform to explicit schedules for project work; monitor and assure project quality; assess and mitigate project risks; draft, update and maintain all project documentation; and are ultimately responsible for the outcome of the project. This course is one of several options in the School of Engineering & Design for students to fulfill their experiential education requirements.

Prerequisite(s): PRMG2010.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

TECX4046 Technical Solutions Team II

This course is an optional continuation of TECX4045, Technical Solutions Team I working on new or previously started projects. Students work in cross-functional teams under the supervision of faculty project managers and subject matter advisors. Teams submit their work for regular phase reviews; set and conform to explicit schedules for project work; monitor and assure project quality; assess and mitigate project risks; draft, update and maintain all project documentation; and are ultimately responsible for the outcome of the project. This course is one of several options in the School of Engineering & Design for students to fulfill their experiential education requirements.

Prerequisite(s): TECX4045.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

TECX4099 Technology Internship

In this course, experiential learning takes place in diverse business work settings in the United States. Selected students perform work assignments related to their chosen career focus in industry while earning academic credit and a wage. The Technology Internship program is an individualized program, centered on the student who is committed to personal and professional growth and uses productive work as the means of achievement. The internship's partnership between employers and educators assists student growth and development. Upon completion of this course, students have a more global understanding of the demands and expectations of employers in industry. This is a variable credit course; students can extend or add additional experiences across multiple terms.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75 during the entire pre-program application process, 2) have completed 130 hours of course work, 3) have appropriate elective credit available, and 4) have the sponsorship of a faculty advisor.

Offered at Providence

4.5-13.5 Quarter Credit Hours

Travel Tourism (TRVL) Courses

TRVL1035 Travel Information Systems

This course provides a comprehensive, hands-on system learning experience. Students become proficient in the use of current Airline Reporting Corporation (ARC) documentation, simulated CRS systems, Internet resources, as well as other technologies used for the management of related travel services. Students are able to understand the technological interactions within a Global Distribution System (GDS).

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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. (SL)

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

TRVL2810 The Aviation and Airline Industries

This course familiarizes students with the US and international airline industry. The course focuses on the organization and management functions of the airlines, and emphasizes the application of class material to current industry issues.

Prerequisite(s): Sophomore status.

Offered at Providence, Providence CE

4.5 Quarter Credit Hours

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. (OL)

Offered at Charlotte, Denver, North Miami, Online, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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, Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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): TRVL2801, junior status.

Offered at North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

TRVL3040 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.

Prerequisite(s): FSM3001 or FSM3099 or HOSP3099 or SEE2020 or TRVL3099.

Offered at Charlotte, Denver, North Miami, Providence, Providence CE
4.5 Quarter Credit Hours

TRVL3060 Managing Airports

This course familiarizes students with the U.S. and international aspects of managing airports. The course focuses on the organization and management functions of airports, the specific needs the airport owners, local community, airlines as users and the flying markets.

Prerequisite(s): Sophomore status.

Offered at Providence
4.5 Quarter Credit Hours

TRVL3065 Managing Airlines

The course focuses on the organization and management functions of the airline industry: network flows, flight scheduling, fleet assignment, aircraft routing, crew scheduling, manpower planning, revenue management, gate assignment, aircraft boarding strategy, and marketing. The course emphasizes the current changes and trends in the airline industry.

Prerequisite(s): Sophomore status.

Offered at Providence
4.5 Quarter Credit Hours

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 North Miami, Providence

4.5 Quarter Credit Hours

TRVL3099 Tourism & Hospitality Internship

This internship is designed to give students practical experience in the tourism and hospitality industry. Students acquire insight into the practical aspects of an organization's operation by observing and participating in day-to-day activities.

Prerequisite(s): HOSP1080, to be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 during the entire pre-program application process, and 2) have completed 90 hours of course work.

Offered at North Miami, Providence, Providence CE

6.75-13.5 Quarter Credit Hours

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 will also offer opportunities for a field project. Students are required to participate in all off-campus activities with the designated industry partners.

Prerequisite(s): Sophomore status.

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 Providence
4.5 Quarter Credit Hours

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. For more information, visit Experiential Education & Career Services.

Prerequisite(s): MRKT1001.

Offered at Denver, North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 will improve the understanding of the strategic planning process, critical thinking and decision-making capabilities of the student.

Prerequisite(s): FISV2000, MRKT1001.

Offered at North Miami, Providence, Providence CE

4.5 Quarter Credit Hours

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 and study abroad opportunities, and available honors programs and academic societies.

Class Schedules

The course schedule (https://uconnect.jwu.edu/prod/bwkschd.p_disp_dyn_sched) is published before registration begins each term. The course schedule will include course meeting days and times, seat capacity, course prerequisites and additional information for courses meeting the search criteria.

Occasionally, make-up classes are scheduled, due to holidays or other missed days, to meet minimum classroom hour requirements. It is possible that at times a course may not be rescheduled and the student will be responsible for all work as outlined in the syllabus.

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.

Summer Sessions

Optional summer session courses are offered for students enrolled in undergraduate programs. Individual courses may not be offered in the summer if student interest or enrollment is not sufficient; as a result, summer degree completion cannot be guaranteed. Summer session enrollment may be required in certain graduate programs.

Students matriculating at Johnson & Wales are not granted credit for summer session courses taken at other institutions unless prior permission has been granted by Student Academic & Financial Services.

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 (<http://catalog.jwu.edu/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 term of enrollment. Academic standing standards differ by program of study. Please refer to the following academic standing standards charts. If students are not in good academic standing or have questions about the requirements for graduation, they should make an appointment with an academic counselor/advisor for assistance in assessing their situation.

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.
- Doctoral students need a minimum GPA of 3.25.
- 4+1 B.S./MBA/M.S. program students need a minimum GPA of 3.0 in graduate-level coursework.

According to the following academic standing standards, students who do not satisfy good academic standing requirements will be placed on probation, suspended (undergraduate students only) or dismissed.

Academic Standing Standards: Undergraduate Day and Online Programs

First-Term Students:

Status at Start of Term	Total Credit Hours Attempted	Cumulative GPA	Status after Term Completion
Good Standing	0–higher	2.0–4.0	Good Standing

Good Standing	0–21	1.0–1.99	Probation 1st Term
Good Standing	0–21	0–.99	Suspended
Good Standing	21.1–42	1.26–1.99	Probation 1st Term
Good Standing	21.1–42	0–1.25	Suspended
Good Standing	42.1–higher	1.5–1.99	Probation 1st Term
Good Standing	42.1–higher	0–1.49	Suspended

Returning Students:

Status at Start of Term	Total Credit Hours Attempted	Cumulative GPA	Status after Term Completion
Good Standing	0–higher	2.0–4.0	Good Standing
Good Standing	0–21	1.0–1.99	Probation 1st Term
Good Standing	0–21	0–.99	Suspended
Good Standing	21.1–42	1.26–1.99	Probation 1st Term
Good Standing	21.1–42	0–1.25	Suspended
Good Standing	42.1–higher	1.5–1.99	Probation 1st Term
Good Standing	42.1–higher	0–1.49	Suspended
Probation 1st Term	0–higher	2.0–4.0	Good Standing
Probation 1st Term	0–21	1.0–1.99	Probation 2nd Term
Probation 1st Term	0–21	0–.99	Suspended
Probation 1st Term	21.1–42	1.26–1.99	Probation 2nd Term
Probation 1st Term	21.1–42	1.0–1.25	Suspended
Probation 1st Term	21.1–42	0–.99	Academic Dismissal
Probation 1st Term	42.1–higher	1.5–1.99	Probation 2nd Term
Probation 1st Term	42.1–higher	1.26–1.49	Suspended
Probation 1st Term	42.1–higher	0–1.25	Academic Dismissal
Probation 2nd Term	0–higher	2.0–4.0	Good Standing
Probation 2nd Term	0–21	1.0–1.99	Probation 3rd Term
Probation 2nd Term	0–21	0–.99	Suspended
Probation 2nd Term	21.1–42	1.26–1.99	Probation 3rd Term
Probation 2nd Term	21.1–42	1.0–1.25	Suspended
Probation 2nd Term	21.1–42	0–.99	Academic Dismissal
Probation 2nd Term	42.1–higher	1.5–1.99	Probation 3rd Term
Probation 2nd Term	42.1–higher	1.26–1.49	Suspended
Probation 2nd Term	42.1–higher	0–1.25	Academic Dismissal
Probation 3rd Term	0–higher	2.0–4.0	Good Standing
Probation 3rd Term	0–higher	1.51–1.99	Suspended

Probation 3rd Term	0–higher	0–1.50	Academic Dismissal
Academic Warning	0–higher	2.0–4.0	Good Standing
Academic Warning	0–42	1.25–1.99	Probation 1st Term
Academic Warning	0–42	0–1.24	Academic Dismissal
Academic Warning	42.1–63	1.5–1.99	Probation 1st Term
Academic Warning	42.1–63	0–1.49	Academic Dismissal
Academic Warning	63.1–84	1.75–1.99	Probation 1st Term
Academic Warning	63.1–84	0–1.74	Academic Dismissal
Academic Warning	84.1–higher	0–1.99	Academic Dismissal

Academic Standing Standards: Continuing Education

Status at Start of Term	Total Credit Hours Attempted	Cumulative GPA	Status after Term Completion
Good Standing	0–higher	2.0–4.0	Good Standing
Good Standing	0–higher	0–1.99	Probation 1st Term
Probation 1st Term	0–higher	2.0–4.0	Good Standing
Probation 1st Term	0–higher	1.25–1.99	Probation 2nd Term
Probation 1st Term	0–higher	1.0–1.24	Suspended
Probation 1st Term	0–higher	0–.99	Academic Dismissal
Probation 2nd Term	0–higher	2.0–4.0	Good Standing
Probation 2nd Term	0–higher	1.50–1.99	Probation 3rd Term
Probation 2nd Term	0–higher	1.25–1.49	Suspended
Probation 2nd Term	0–higher	0–1.24	Academic Dismissal
Probation 3rd Term	0–higher	2.0–4.0	Good Standing
Probation 3rd Term	0–higher	1.5–1.99	Suspended
Probation 3rd Term	0–higher	0–1.49	Academic Dismissal
Academic Warning	0–higher	2.0–4.0	Good Standing
Academic Warning	0–27	1.25–1.99	Probation 1st Term
Academic Warning	0–27	0–1.24	Academic Dismissal
Academic Warning	27.1–40.99	1.5–1.99	Probation 1st Term
Academic Warning	27.1–40.99	0–1.49	Academic Dismissal
Academic Warning	41–54.99	1.75–1.99	Probation 1st Term
Academic Warning	41–54.99	0–1.74	Academic Dismissal
Academic Warning	55–higher	0–1.99	Academic Dismissal

Academic Standing Standards: Graduate Programs (4+1 B.S./MBA/M.S. program students must meet these standards for the graduate-level coursework for which they are enrolled.)

Status at Start of Term	Total Credit Hours Attempted	Cumulative GPA	Status after Term Completion
Good Standing	0–higher	3.0–4.0	Good Standing
Good Standing	0–higher	2.0–2.99	Probation 1st Term
Good Standing	0–higher	0–1.99	Academic Dismissal
Probation 1st Term	0–higher	3.0–4.0	Good Standing
Probation 1st Term	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: Doctoral Programs

Status at Start of Term	Total Credit Hours Attempted	Cumulative GPA	Status after Term Completion
Good Standing	0–higher	3.25–4.0	Good Standing
Good Standing	0–higher	0–3.24	Academic Dismissal

Note: Doctoral students will be dismissed if their GPA is less than 3.25, or when they earn a grade of F or WF in any course. No classes may be repeated.

Academic Probation

Probation may affect a student's ability to register and/or graduate. Graduate program students and 4+1 B.S./MBA/M.S. program students are allowed one term only on probation.

Academic Suspension

Suspended students may not matriculate at the university for at least one term and are expected to work on academic deficiencies. To return to the university, these students must petition the Academic Appeals Committee, providing a letter of intent and documentation of academic improvement. The committee will consider appeals that document mitigating circumstances.

Academic Dismissal

Dismissed students may no longer matriculate at the university and are expected to work on academic deficiencies. To return to the university, students may petition the Academic Appeals Committee, providing a letter of intent and documentation of academic improvement. The committee will consider appeals that document mitigating circumstances.

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 term due to mitigating circumstances.

These undergraduate students will be allowed to register for a maximum of 13.5 credits in academic classes or 15 credits in laboratory classes. In addition, these students will be required to attend a mandatory student skills strategies seminar and tutoring in identified content areas. Failure to complete these requirements will result in immediate dismissal.

Attendance

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 (<http://catalog.jwu.edu/handbook>).

Credits and Grades

Unit of Credit

The university measures undergraduate and graduate academic progress using the quarter credit hour system with the exception of the doctoral and physician assistant studies program, which operate under a semester credit hour system. Courses are offered in three formats and may combine two or more of those formats, which are lecture, laboratory and experiential.

Generally, one quarter credit represents 10 hours of instruction, which includes class lecture and additional activities; one quarter credit hour equals two laboratory hours or three experiential hours. Furthermore, all courses require additional hours of study and preparation outside of the classroom or learning environment.

Please see the appropriate section 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
Withdrawal/Fail	WF	0.00
Withdrawal/Pass	WP	
Audit	AU	
Challenge Exam Credit	CX	
Grade Pending	GP	
Incomplete	I	
No Credit	NC	
No Grade	NG	
Prior Learning Assessment	PL	
Proficiency	P	
Satisfactory	S	
Unsatisfactory	U	

Note: not all grades are used by all colleges or schools.

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 term and cumulative grade point averages are adjusted to reflect only the passing grade. However, both grades will appear on the academic transcript.

Withdrawal/Pass (WP), Withdrawal/Fail (WF)

To record attempted credits, a grade of WP or WF is recorded when a student withdraws from a culinary/baking & pastry laboratory course or a course with an experiential education component, or is withdrawn due to excessive absences from a registered course after its add/drop period has ended.

To qualify for a WP, the student must have an estimated grade of 60 or higher at the time of withdrawal. This grade is not entered into the term and cumulative grade point averages. If the estimated grade is below 60, the student will be issued a WF, which is entered into the term and cumulative grade point averages as a failing grade until successful completion of the course at a later date.

Audit (AU)

An audit occurs when no academic credit is granted. This grade is not calculated into the term 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 term 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 term and cumulative grade point averages and is generally used under extreme, extenuating circumstances. If a grade is not submitted to replace the GP within one year, it will automatically become an F.

Incomplete (I)

A grade of I is issued to students if they are unable to complete course requirements because of authorized absences due to service commitment or illness. 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 term 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 term 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 term and cumulative grade point averages.

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 term and cumulative grade point averages.

Proficiency (P)

A grade of P is granted for achievement of multiple levels of skills in progression where the self-paced approach is in effect. This grade is not calculated into the cumulative grade point average.

Satisfactory/Unsatisfactory (S/U)

A grade of S/U is used for designated courses throughout the university. These grades are not calculated into the term 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
Withdrawal/Fail*	WF	0.00
Withdrawal/Pass*	WP	
Incomplete	I	
Audit	AU	
Grade Pending	GP	
No Credit	NC (non-punitive withdrawal)	
No Grade	NG	
Satisfactory	S	
Unsatisfactory	U	

*after September 2011

Note: not all grades are used by all colleges or schools.

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 term and cumulative grade point averages are adjusted to reflect only the passing grade. However, both grades will appear on the academic transcript.

Withdrawal/Pass (WP), Withdrawal/Fail (WF)

In order to record attempted credits, a grade of WP or WF is recorded when a student withdraws from a culinary/baking & pastry laboratory course or a course with an experiential education component, or is withdrawn due to excessive absences from a registered course after its add/drop period has ended. To qualify for a WP, the student must have an estimated grade of 70 or higher at the time of withdrawal. This grade is not entered into the term and cumulative grade point averages. If the estimated grade is below 70, the student will be issued a WF, which is entered into the term and cumulative grade point averages as a failing grade until successful completion of the course at a later date.

Audit (AU)

An audit occurs when no academic credit is granted. This grade is not calculated into the term 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 term and cumulative grade point averages and is generally used under extreme, extenuating circumstances. If a grade is not submitted to replace the GP within one year, it will automatically become an F.

Incomplete (I)

A grade of I is issued to students if they are unable to complete course requirements because of authorized absences due to service commitment or illness. Outstanding work must be completed within two weeks of the final exam class day or the grade will automatically become an F and the grade will be included in the term 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 term 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 term and cumulative grade point average.

Satisfactory/Unsatisfactory (S/U)

A grade of S/U is used for designated courses throughout the university. These grades are not calculated into the term 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

Certification of full-, half- or less than half-time enrollment status is based on the number of credits registered in a term. Listed below are the requirements that constitute full-time student status for official enrollment certification purposes and for financial assistance.

Students should realize that to receive maximum financial aid they must maintain full-time status.

If a student who is receiving veteran's benefits or participating in athletics receives a grade of WP, WF or NC in a course, that course will not count toward full-time status.

Status	Undergraduate	Graduate	Post Graduate
Full-time	12 or more	9 or more	12 or more
Half-time	6–11.99	4.5–8.99	6–11.99
Less than half-time	0–5.99	0–4.49	0–5.99

Readmittance Policy

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 four consecutive terms (including summer).

Readmittance to undergraduate and graduate programs must be requested at least six weeks prior to the desired term start date, and no earlier than

- summer term: March 1
- fall term: April 1
- winter term: September 1
- spring term: December 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.

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 as 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.

Complete policies regarding readmittance can be found in the Student Handbook (<http://catalog.jwu.edu/handbook/academicpolicies/readmittancepolicy>).

Repeat of Courses

When the appropriate course is available, the course, when a grade other than W has been assigned, may be repeated to earn a better grade. Upon successful completion of the course at a later date, the cumulative average is adjusted to reflect the highest grade earned.⁸ However, each grade earned will appear on the academic transcript. Students are required to pay normal tuition charges for all repeated coursework. Students are eligible for financial aid for only one repetition of a previously passed course.

*NOTE: When a student has repeated a course previously applied to an awarded degree, each grade earned will be included in the cumulative point average.

Course Deficiency

A course deficiency occurs when a student fails to complete a 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 will be assigned a course deficiency hold and will be required to meet with an academic counselor/advisor in Student Academic & Financial Services. 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 grade being calculated in the cumulative average.
- Student may be advised to take a pre-approved course at another institution outside of 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 required to attend content tutoring. The course deficiency hold will be removed once the student has satisfied the course requirement.

Transfer and Career Prerequisites

Students who intend to transfer to other colleges or enroll in graduate schools 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 admissions (p. 220) for information.

Graduate

Once enrolled in a JWU graduate program, students may not take core or concentration courses elsewhere with the intent of transferring them into their JWU program, except when there are extenuating circumstances, and permission is granted by the dean's office. Should a student be granted permission to take a course under these conditions, a grade of B or higher must be earned in order for the transfer credit to be awarded.

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.
- Solve mathematical problems and to apply mathematical reasoning to problems in other fields of study.
- 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 various social science perspectives.
- Analyze and interpret human history, philosophy, literature and the arts.
- Demonstrate knowledge and application of the scientific principles that govern the natural world.
- 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 63 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	13.5
ENG1020 English Composition	
ENG1021 Advanced Composition and Communication	
ENG1030 Communication Skills	
Integrative Learning	9
Two ILS courses, one at the 2000 level, one at the 4000 level	
Arts and Humanities – Two courses from ART, HIST, HUM, LIT, PHIL or REL	9
One course required by program	
Additional AH course in a different discipline	
Math – Two courses	9
MATH One course at level of placement, 1002 or higher, minimum set by program	
MATH2001 Statistics (or other required by program)	
Science – At least one course from BIO, CHM, PHY, SCI (may be a program requirement)	4.5
Social Sciences – Two courses from ECON, LEAD, PSCI, PSYC, SOC	9
One course required by program	
Additional SS course in a different discipline	
A&S Electives	9
Two courses with an EASC attribute, at least one at 3000 level or higher.	
Total Credits	63.0

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

Students who graduate with a bachelor of science degree must leave Johnson & Wales University with effective writing skills. These writing skills will be assessed at the completion of ENG1021 Advanced Composition and Communication.

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

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 term. At Summer Orientation, students meet with academic representatives in their chosen school or college. Students learn about campus resources, network with upper-class student leaders, familiarize themselves with the campus and make new friends. An abbreviated orientation program is offered for all new incoming full-time undergraduate day students each term prior to the start of classes.

Academic Convocation is held the weekend before classes begin in the fall. This academic ceremony brings together all facets of the university to celebrate and commence the academic year.

Senior Day is held annually in the spring to honor students who have displayed a high level of performance in academic achievement or in service to Johnson & Wales University.

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 Chinese 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 with a semester calendar.

For more information about this language program and how to apply, please contact the College of Arts & Sciences dean's office at 401-598-1400.

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 customized services and support for experiential education and career planning. Experiential Education & Career Services 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.

Experiential Education & Career Services offers a variety of internship programs and career services including a career capstone 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 the School of Business, School of Hospitality, College of Culinary Arts, College of Arts & Sciences and School of Engineering & Design (Providence Campus only). 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
- one-on-one advising from career professionals who assist with résumé development, mock interviews and job search strategies
- a career capstone course for juniors and seniors that prepares them to navigate the job search process
- career workshops that allow students to select specific skill-building topics such as building a résumé, networking and interviewing
- networking opportunities with industry professionals through on-campus interviewing and recruiting events
- career advising resources on a variety of topics including résumé examples vetted by industry and approved by faculty
- online job postings by employers who are looking to hire students for part-time and full-time jobs (on and off campus) as well as internships. Go to [jwuLink \(https://link.jwu.edu\)](https://link.jwu.edu) > Jobs & Internships > Find a Job.
- employers representing a broad range of fields, who visit campus each year to participate in recruiting events and serve as guest lecturers and classroom speakers. These activities provide students with a real-world view of industry as well as opportunities to connect with industry professionals and career options.

Global Learning Distinction

The Global Learning Distinction program offers JWU students an enhanced transcript designation that highlights their globally-focused experiences. Students can document participation and achievements to which designated points are assigned. The Global Learning Distinction is earned upon completion of established benchmarks, and noted on a student's final transcript.

Global learning opportunities are available to students through a variety of academic and co-curricular pathways, including the following:

- Global/Intercultural Academic and Professional Experience (Study Abroad, international internships, coursework)
- Community Engagement Experiences (the BRIDGE Center, Student Involvement & Leadership)
- Cultural Events (the International Center, the BRIDGE Center)
- Leadership Development Experiences (Student Involvement and Leadership, the Gender Equity Center, University Involvement Board, Student Government Association)

The Global Learning Distinction is available to students on all four campuses and in all majors. For more information, please contact Loren Intolubbe-Chmil (Loren.IntolubbeChmil@jwu.edu), director of international and intercultural engagement.

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 be in noncompliance 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 ninety (90) quarter credits. All bachelor's-level degrees require the completion of a minimum of 180 quarter credits. While most major programs have variations that require slightly more quarter credits for completion, no program requires fewer than the 90/180 quarter credit minimum.

Students are reviewed for graduation when they have completed all requirements in their program of study. Graduation is not recorded until after the term 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 term grades have been submitted.

Additional information regarding graduation requirements can be found in the Student Handbook (<http://catalog.jwu.edu/handbook>).

Graduate

Graduation requires successful completion of a prescribed sequence of study and a minimum grade point average of 3.00 (3.25 for doctoral program students). Students with a cumulative GPA below 3.00 will not be in compliance with the criteria for good academic standing and may be subject to academic dismissal. In addition, doctoral program students must not receive a grade of F in a course.

Students are reviewed for graduation when they have completed all requirements in their program of study. Graduation is not recorded until after the term 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 term grades have been submitted.

Additional information regarding graduation requirements can be found in the Student Handbook (<http://catalog.jwu.edu/handbook>).

Honors

Johnson & Wales University recognizes high-level scholastic achievement in a variety of ways. This section of the catalog contains information about the different types of academic recognition.

Dean's List

In recognition of scholastic achievement, full-time undergraduate students (carrying a minimum of 12 credit hours) who have achieved a term GPA of 3.40 or above 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.

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 an average of B or better, placed in the top 25 percent of their high school graduating class, and submitted SAT or ACT scores.

Honors students enroll in honors sections of several courses in the arts and sciences core and their program of study, including smaller, student-centered honors seminars in their sophomore and junior years. All honors students complete a two-term research course sequence, culminating in an honors thesis or other honors capstone project. 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. The college-specific requirements for this honors designation are as follows:

College of Culinary Arts

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. Honors students in the College of Culinary Arts (CCA) have the option of replacing one (1) Honors Seminar with either the Culinary Arts Honors Experience (CUL 0010) or the Baking & Pastry Arts Honors Experience (BPA 0010), depending on their course of study.

All Other Colleges

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.

Joint Degree Programs

Honors students who begin their studies in the College of Culinary Arts and complete their studies in the College of Management will carry their honors work forward, completing a total of four honors courses (including the optional Culinary Arts or Baking & Pastry Arts Honors Experience) in addition to ENG1024 Honors Composition: Writing in the Academy; ENG1027 Honors Advanced Composition and Communications: Civic Discourse; RSCH3020 Honors Research Seminar; and RSCH4020 Honors Directed Academic Experience, culminating in an honors thesis.

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 3.40 or higher at the time of their acceptance to Johnson & Wales University.

Non-honors students at Johnson & Wales may apply to the program, provided they carry a 3.40 GPA or higher, first year or sophomore status, and have completed at least a term of study at JWU. Students must provide a faculty recommendation.

Students who transfer into the Honors Program may be eligible to waive some honors course requirements. Contact the Honors Program director for application details.

Latin Honors

Eligible undergraduate degree candidates receive cum laude, magna cum laude and summa cum laude recognition according to their academic program average. Students with the designated graduating GPA are eligible to receive honors as follows: cum laude, 3.40–3.60; magna cum laude, 3.61–3.80; and summa cum laude, 3.81–4.00.

Residency Requirement

Please see the appropriate section for information regarding residency requirements.

Undergraduate

The undergraduate residency requirement refers to the number of courses and credits students must take at JWU, whether they are transfer students or JWU students acquiring an additional degree. The residency requirement for all students at Johnson & Wales University pursuing an associate degree is a minimum of 31.5 quarter credit hours, half of which must be within the major field.

For students pursuing a bachelor's degree, the minimum is 45.0 quarter credit hours, half of which must be within the major field.

Diploma/certificate candidates will be allowed to transfer a maximum of 9.0 quarter credits (including JWU courses) toward diploma/certificate program requirements.

Upon review, certain related professional studies courses and program electives may be considered when determining residency. Standardized testing credits are not considered when determining residency requirements.

Additional Degrees

Students may pursue one additional associate's degree in a program that has a minimum of 31.5 credits that are not in their primary major (there must be a 31.5 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 may pursue one additional bachelor's degree in a program that has a minimum of 45 credits that are not in their primary major (there must be a 45 credit difference between the two bachelor's degrees). 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.

Please note: students pursuing additional degrees may also incur additional tuition and fees.

Graduate

Residency requirement refers to the number of courses and credits a student must take at Johnson & Wales University.

A maximum of 20 percent of the program's credits can be awarded as transfer credit. Credit may be awarded for graduate-level courses that were completed with a grade of B or better (3.00 GPA) at another institution accredited by an accrediting agency recognized by the U.S. Department of Education or international Ministry of Education.

Additional Degrees

Due to the overlap in core curriculum, students who complete an MBA at the 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 another M.S., MAT or M.Ed. program at the university through Graduate Admissions. A maximum of 20 percent of coursework may be shared between the graduate programs. Students must meet the entrance requirements for the prospective program to gain admittance.

Only one doctoral degree is allowed.

Please note, students pursuing additional degrees may also incur additional tuition and fees.

Study Abroad

JWU Study Abroad is a way for students of all majors to earn academic credit while taking classes and studying internationally. Study abroad promotes global citizenship and interconnectedness through international study. Programs are available that allow students to delve into many different areas of interest (i.e., explore farm-to-table cuisine and learn from elite chefs in Paris; practice leadership and nature tour guiding skills in South Africa; study fashion and design in Italy; learn regional Asian culinary skills in Singapore; or expand the freshman experience in Berlin).

In collaboration with schools and colleges on all campuses, JWU Study Abroad programs offer a variety of options for major, Arts & Science and elective credit at many price points for students during the academic year and summer. Financial aid is applicable to most programs. Visit the study abroad website (<http://studyabroad.jwu.edu>) for information, program descriptions and online applications.

Academic Transcripts

A transcript is a representation of a student's entire academic record while at Johnson & Wales University. In accordance with the Family Educational Rights and Privacy Act (FERPA), a transcript may be released only upon written request of the student. Students must submit transcript requests online through jwuLink (<https://link.jwu.edu/cp/home/displaylogin>). Students intending to pick up transcripts in person must visit Student Academic & Financial Services or complete a transcript request form (http://www.jwu.edu/content.aspx?id=35578/#fbid=nWBE9IGV-P_).

Official transcripts will not be released if a student is not current on all financial obligations to the university. Within three business days of receipt of an authorized request, official transcripts will be processed. However, a longer

period of time may be required for processing at the end of a term or during peak enrollment periods. Records prior to 2000 may be located on microfilm; if applicable, please allow 5–15 business days for processing.

A maximum of 20 official transcripts may be requested per year. Official transcripts are not produced while grade processing and posting is in progress at the end of each term.

Unofficial transcripts may be obtained in jwuLink (<http://link.jwu.edu>).

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 section for information regarding applying.

Undergraduate

How to Apply

Students are encouraged to apply online (<https://apply.jwu.edu>) for quicker processing. Paper applications are also accepted. For either method, no application fee is required.

To submit your application on paper, you may request an application be mailed to you 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

North Miami Campus

Admissions
Johnson & Wales University
1701 NE 127th Street
North Miami, FL 33181

Denver Campus

Admissions
Johnson & Wales University
7150 Montview Boulevard
Denver, CO 80220

Charlotte Campus

Admissions
Johnson & Wales University
801 W. Trade Street
Charlotte, NC 28202

Be sure to complete your application in full, as an incomplete application could affect eligibility for Johnson & Wales scholarship programs. Additional information submitted after the initial application has been received will not 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 term in which they wish to enroll. Applications are accepted for terms beginning in the fall, winter and spring.

There is no deadline for submitting applications, but students are advised to apply as early as possible before their intended date of enrollment for full consideration, as some programs may become full.

Certain bachelor's degree programs are selective and require submission of an application at the end of the associate degree program before acceptance into a program. Students should check program descriptions if they are interested in applying for both an associate and a bachelor's degree program.

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.

Students applying for admission to a continuing education program at JWU's Providence (<http://catalog.jwu.edu/admissions/applying/providence-ce>) or Denver (<http://catalog.jwu.edu/admissions/applying/denver-ce>) campuses should refer to these catalogs for admissions information.

Graduate

How to Apply

Students are encouraged to apply online (<http://admissions.jwu.edu/apply>) for quicker processing. Paper applications are also accepted. For either method, no application fee is required.

To submit your application on paper, you may request an application to be mailed to you by contacting the Johnson & Wales Admissions office noted below.

Completed paper applications should be mailed to the following campus addresses:

Providence Campus

Graduate Admissions
Johnson & Wales University
8 Abbott Park Place
Providence, RI 02903

Denver Campus

Graduate Admissions
Johnson & Wales University
7150 Montview Boulevard
Denver, CO 80220

Graduate programs are available at the Providence and Denver campuses only.

Be sure to complete your application in full. For U.S. students, eligibility for federal aid is determined through the Free Application for Federal Student Aid (FAFSA).

Applicants for the **Physician Assistant** 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.*

High School Completion 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 an authorized high school administrator, a high school diploma/transcript recognized by the student's state department of education or high school equivalency exam. Additional methods of verification of high school completion exist for home-schooled students (p. 221). 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.

International students should refer to the International (p. 223) section of this catalog for admissions information.

Admissions Requirements

Please see the appropriate section for information regarding undergraduate and graduate admissions requirements.

Undergraduate

For students entering as a first-year student, a high school transcript is required for admission review.

For students entering as a transfer student, a high school and college transcript is required for admission review.

Test Scores

JWU is test optional but SAT and ACT submission is strongly encouraged. The SAT or ACT is required for home-schooled students (p. 221).

Candidates for the university's honors program must submit SAT or ACT scores for acceptance consideration. Admission standards for honors students may vary for international (p. 223) and transfer students (p. 220).

Minimum Grade Requirements

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 in the academic requirements essential to the program. Students with disabilities should contact the Center for Academic Support for information about the technical standards. See Technical (p. 221) Standards (p. 221) for descriptions of the applicable technical standards. Copies of the technical standards applicable to various programs are also available from the Center for Academic Support.

For additional admissions requirements please review the other topics listed in the Applying (p. 215) section of this catalog.

Equine Business Management/Riding

Students must submit a riding video.

Graduate

To be considered for admission into any JWU graduate degree program, the following documents must be submitted:

1. A completed application (<http://admissions.jwu.edu/apply>) for admission.
2. Graduate Studies applicants must submit official or certified transcripts/mark sheets from all institutions attended including bachelor's degree conferral. 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 will not be allowed to register for the current term or continue enrollment and will be in jeopardy of losing their academic status with the university.**
3. A 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 below). 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 (<http://admissions.jwu.edu/uploadedFiles/Content/Documents/JWUGradApplicationPersonalRefForm.pdf>) may be substituted for the recommendation letters.
5. Current resume or CV
6. Some graduate degree programs have additional admissions requirements. Please refer to the program table below for specific additional requirements.

Please Note: All programs listed below are available to qualifying students at our Providence campus. The minimum grade point average (GPA) and additional requirements for each program are noted below.

Students who do not meet the minimum GPA requirements of any graduate business program (excluding 4 + 1) 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, who have a 2.41 – 2.84 cumulative undergraduate grade point average, and who demonstrate significant evidence of professional success. Students granted conditional acceptance may take a maximum of two JWU graduate courses.

If a grade of B or better is earned in each course, the student will be granted full admission to that program. Students who do not earn a B or better grade in each course will be dismissed from the program and unable to apply to any JWU graduate program.

Program Selection	Min GPA	Required Degree	Additional Requirements
MBA PROGRAMS			
MBA - One-Year Program (Summer or Fall start only)	3.0	B.S. in Business or a business-related program (e.g., Hospitality)	
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 Hospitality concentration	2.85	Bachelor's degree in any major	
MBA with Information Technology concentration	3.0	B.S. in Information Technology or a related computer major	OR a B.S. degree and five years of information technology experience.
MASTER'S PROGRAMS			
M.S. in Counseling (Summer start only)	2.85	Any B.S. or B.A. degree with 9 semester credit hours to include course work in psychology and research/statistics	Three letters of recommendation and current resume required. GRE scores or Miller Analogies Test Scores not required, but may be recommended. Interview is also required for admission.
M.S. in Finance	2.85	Bachelor's degree in Business or a related field	Two letters of recommendation.
M.S. in Human Resource Management	2.85	Bachelor's degree	Two letters of recommendation.
M.S. in Information Security/ Assurance - Technical Track	3.0	Bachelor's degree in any major; IT-related major preferred	Grade of "C" or better in pre-requisite courses: Statistics and Network Fundamentals
M.S. in Physician Assistant Studies	3.0	B.S. or B.A. degree	All applicants must apply through the online application system CASPA (Centralized Application Service for Physician Assistants) before the March 1 deadline.

EDUCATION PROGRAMS (FALL STARTS ONLY)

M.A.T. - Master of Arts in Teaching, Business Education/ Secondary Education	2.75	Bachelor's degree in any major	Two letters of recommendation; evidence of content knowledge in specific teaching field; interview required; criminal background check.
M.A.T. – Master of Arts in Teaching, Culinary Arts Education	2.75	Bachelor's degree in any major	Two letters of recommendation; evidence of content knowledge in specific teaching field; interview required; criminal background check.
M.A.T. - Master of Arts in Teaching, Elementary Education/ Elementary Special Education	2.75	Bachelor's degree in any major	Two letters of recommendation; evidence of content knowledge in specific teaching field; interview required; criminal background check.
M.Ed. – Master of Education in Teaching and Learning	2.75	Bachelor's degree in any major	Two letters of recommendation; documentation of employment in a pre-K-16 teaching situation; current resume, interview required.
Ed.D. in Educational Leadership (Fall start only)	3.25	Master's degree in an appropriate field from an accredited institution	Three letters of recommendation, official test scores (GRE or comparable exam approved by program director), current resume, and interview with faculty.

4+1 PROGRAMS FOR CURRENT JWU UNDERGRADUATES

4+1 B.S./MBA	3.0	B.S. 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 Corporate Financial Accounting (Level II) and ECON5000 (microeconomics or macroeconomics).
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4+1 B.S./M.S. in Criminal Justice 2.85 Bachelor's degree in Criminal Justice 4+1 courses at the graduate level are taken online only; the remaining M.S. courses are also online only

Mail completed documents 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. Official transcripts must be from an accredited institution and submitted in a sealed envelope with the appropriate seal or signature. Certified copies of transcripts from the school are acceptable.

Letters of recommendation and statement of purpose are not considered original documents and therefore may be emailed (pvdgrad@admissions.jwu.edu) or faxed to 401-598-1286.

International students, please review the International Admissions Requirements (p. 223) for the MBA/M.S. programs (Providence Campus only).

MBA/M.S. Programs

To be considered for acceptance into the program, applicants must possess a bachelor's degree along with the minimum GPA and additional requirements.

For International Graduate Admissions Requirements (Providence Campus only), please refer to the International Admissions (p. 224) area of this catalog.

Accelerated Graduate Programs for Current JWU Students

4+1 B.S./MBA

Through the 4+1 B.S. (or B.A.)/MBA program, you can take up to three graduate-level courses during your senior year at no additional charge, then continue on to complete your master's degree in as little as one year. Students may choose General MBA, MBA with Accounting concentration, MBA with Hospitality concentration, or MBA with IT concentration.

To be considered for admission into a JWU 4+1 program, the following must be submitted or completed:

1. A completed and signed Acknowledgement Checklist form.
2. A completed application for graduate admission, marking the 4+1 box under Special Programs Selection section.
3. A 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. A personal reference form may be substituted for the recommendation letters.
5. Current resume 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.

4+1 B.S./M.S. Criminal Justice

Through the 4+1 B.S./M.S. in Criminal Justice program, you can take up to three graduate-level courses online during your senior year at no additional charge, then continue on to complete your master's degree in as little as one year. Students who are majoring in Criminal Justice as an undergraduate may pursue the MS in Criminal Justice through the 4+1 option. Courses at the graduate level (M.S.) in Criminal Justice are only offered online.

To be considered for admission into a JWU 4+1 program, the following must be submitted or completed:

1. A completed and signed Acknowledgement Checklist form.
2. A completed application for graduate admission, marking the 4+1 box under Special Programs Selection section.
3. A Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate level study.

- 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. A personal reference form may be substituted for the recommendation letters.
- A cumulative grade point average of 2.85 or higher.

B.S./M.S. Counseling

Through the B.S./M.S. in Counseling program, you can take up to three graduate-level courses during your senior year at no additional charge, then continue on to complete the M.S. in Counseling in 18 months. Students who are majoring in Counseling Psychology or a related field may apply to the B.S./M.S. in Counseling. To be considered for admission to the B.S./M.S. in Counseling, the following must be submitted or completed:

- A completed and signed Acknowledgement Checklist form
- A completed application for graduate admission, marking the B.S./M.S. in Counseling box under Special Programs Selection section.
- A Statement of Purpose: an essay explaining your motivation, aptitude and goals related to graduate level study.
- 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.
- Current resume or CV.
- Completion of these undergraduate courses with a grade of "C" or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods.
- A cumulative grade point average of 3.0 or higher.
- Personal interview.

B.S. Biology/M.S. Physician Assistant Studies

JWU undergraduate students majoring in Biology may take advantage of an internal articulation agreement for admission to the JWU Physician Assistant Studies program. This agreement allows the PA program to accept up to twelve (12) qualified JWU Biology candidates annually for admission to its graduate program leading to the Master of Science in Physician Assistant Studies. More information and details of the agreement may be found at Johnson & Wales University (<http://www.jwu.edu/uploadedFiles/Documents/Academics/JWUPAStudiesArticAgreeJWU.pdf>) (200K PDF).

3+3 B.S./J.D. Law Program

The 3+3 BS/JD Law program allows JWU 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 College of Arts & Sciences Dean's office at 401.598.1400 to declare intent to pursue the 3+3 program. Prelaw advising is required and a formal application to Roger Williams University's Law School must be submitted before Dec. 1 of the junior year at JWU.

For more information about program requirements, please contact the College of Arts & Sciences dean's office at the Providence Campus.

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 above.

Program Requirements

To satisfy program requirements and receive the Ed.D. degree, each student must successfully

- complete 60 credit hours (48 hours of course work and 12 hours of dissertation work, which forms the basis for the dissertation);
- maintain a cumulative grade point average of at least 3.25;
- maintain continuous enrollment, even during dissertation work;
- successfully complete the comprehensive assessment;
- submit a dissertation proposal within three years of matriculation; and

- 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 is utilized in the program that includes characteristics of both synchronous and 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 and receiving formal approval of the dissertation proposal.

Pre-MBA Program

The Pre-MBA 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-MBA schedule of undergraduate courses, to equate their education to a four-year U.S. bachelor's degree while fulfilling MBA program prerequisites.

Students who successfully complete the Pre-MBA program with a GPA of 3.0 on a scale of 4.0 will enroll directly into their selected MBA program.

Eligibility

The Pre-MBA program is offered only at the Providence Campus.

Applicants to the Pre-MBA program must hold a three-year bachelor's degree from a recognized institution.

Candidates must successfully complete the English as a Second Language program if they do not submit a passing score on the language proficiency test as stated under the English Proficiency Requirement (p. 224).

Application Procedure

Please refer to the International Graduate Admissions Requirements (p. 224). Please note: Students accepted to the Pre-MBA program cannot transfer to the MBA program without first completing **all Pre-MBA** program requirements.

Scholarships

Students who successfully complete the Pre-MBA program with the required minimum 3.0 GPA needed to enter the MBA program will receive a nonrenewable \$2,000 MBA scholarship awarded over the length of the 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 College of Management and the College Arts & Sciences.

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-MBA students will be done through Student Academic Services in the Student Services Center, located on the Downcity Campus.

Center for Physician Assistant Studies

Accreditation Provisional Statement

The ARC-PA has granted Accreditation-Provisional status to the Physician Assistant Studies Program sponsored by Johnson & Wales University.

Accreditation-Provisional is an accreditation status granted when the plans and resource allocation, if fully implemented as planned, of a proposed program that has not yet enrolled students appear to demonstrate the program's ability to meet the ARC-PA *Standards* or when a program holding Accreditation-Provisional status appears to demonstrate continued progress in complying with the *Standards* as it prepares for the graduation of the first class (cohort) of students.

Accreditation-Provisional does not ensure any subsequent accreditation status. It is limited to no more than five years from matriculation of the first class.

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 & Physiology, human preferred, with labs (8 credits)
 - A&P prerequisite must have been completed within 7 years prior to matriculation (taken summer 2009 or more recently for June 2016 matriculation)
 - Prerequisite must include all body systems and be a full-year (two 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 A&P 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)
- Psychology/sociology/behavioral science, psychology preferred (6 credits)
- English (6 credits). Medical Terminology course will not fulfill the English requirement.

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 (<https://www.jwu.edu/content.aspx?id=17179869209>) 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.
- The Graduate Record Examination (GRE) is required, and preferably taken since June 2009. JWU's designation code is 0468. An official record of that examination must be added to your application through CASPA. Preferred GRE scores are in the 50th percentile or better.
- Transfer credits are not awarded to students.
- There is no advanced placement.
- No credit will be awarded to students for work experience.
- Technical standards (<https://www.jwu.edu/content.aspx?id=965658>) are required attributes necessary for entrance into, continuation within and graduation from the Physician Assistant program at Johnson & Wales University. In addition, you 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 in an allopathic or osteopathic medical setting. Learn more about the preferred types of direct experience (<https://www.jwu.edu/content.aspx?id=17179869208>).
- To help you gain a clear understanding of the PA's role on the medical team, we ask that you observe (or "shadow") a PA in the field. Shadowing of PAs in more than one practice type is preferred. You will be asked to record your 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.

Physician Assistant Articulation Agreements

As the first accredited Physician Assistant program in the State of RI, Johnson & Wales University is dedicated to recruiting students from local area college and universities through articulation agreements.

Recognizing the shortage of primary care providers in the state of RI, these articulation agreements will create a bridge for students and assist us in educating area students who upon graduation, will help RI meet the market demand for qualified health care providers.

Johnson & Wales University (<http://www.jwu.edu/uploadedFiles/Documents/Academics/JWUPAStudiesArticAgreeJWU.pdf>) (200K PDF)

Providence College (<http://www.jwu.edu/uploadedFiles/Documents/Academics/JWUPAStudiesArticAgreeProvidenceCollege.pdf>) (97K PDF)

University of Rhode Island (<http://www.jwu.edu/uploadedFiles/Documents/Academics/JWUPAStudiesArticAgreeURI.pdf>) (180K PDF)

Admissions Decision

Please see the appropriate section for information regarding undergraduate and graduate admissions decisions.

Undergraduate

The rolling admissions policy of the university makes it possible to notify students of the admissions decision, of their acceptance or of any additional conditions necessary for admission, soon after all of their academic records have been received and reviewed.

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, 2016 will be accepted on the basis of space availability. Reservation fees received prior to May 1, 2016 are refundable. The student's account must be cleared by Student Financial Services by the July deadline to receive a room assignment. To best ensure consideration for on-campus housing, it is important to meet all deadlines throughout the enrollment process.

Requests for refunds of the reservation fee will be granted upon written request to the university prior to May 1, 2016. After May 1, 2016 the reservation fee of \$300 (or \$150 of such fee in the case of applicants to the North Miami Campus) is nonrefundable.

The university may revoke any student's acceptance or enrollment if any information or documentation provided by the student is false or incomplete, or if the university learns of any past or present misconduct by the student that would affect the student's ability to represent and uphold the high standards of the university.

Graduate

The rolling admissions policy of the university makes it possible to notify students of the admissions decision, of their acceptance or of any additional conditions necessary for admission, soon after all of their academic records have been received and reviewed.

The \$100 reservation fee is payable upon acceptance to the university. Doctoral and Pre-MBA students must submit a \$300 reservation fee. These fees are credited to students' initial billings.

Physician Assistant students: After an offer of acceptance is made by JWU, the applicant will have four weeks to accept or decline the offer. Once an applicant accepts an offer a nonrefundable \$1000 tuition deposit must be paid. This deposit will hold the applicant's place in the class. The total deposit

will be applied to the cost of tuition once the student matriculates. Prior to matriculation, the applicant must fulfill specific requirements (<http://www.jwu.edu/content.aspx?id=17179869212>).

Deposits are transferable with a change in enrollment date. The university may revoke any student's acceptance or enrollment if any information or documentation provided by the student is false or incomplete or not acceptable, or if the university learns of any past or present misconduct by the student that would affect the student's ability to represent and uphold the high standards of the university.

Medical Records

Prior to the first term of enrollment, the university requires all new, full-time undergraduate students — residents and commuters alike — to submit proof of a complete physical exam conducted within the past year, including documented proof of two doses of the MMR (measles, mumps and rubella) vaccine (or titers if applicable), three doses of hepatitis B vaccine (or titers if applicable), three doses of tetanus-diphtheria vaccine (including at least one Tdap dose within the past 10 years), two doses of the chicken pox vaccine (or titers if applicable) or proof of physician-diagnosed disease, and one 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). Also, please check with your primary care provider as to whether the new meningitis Type B vaccine is appropriate for you. In addition, 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.

The hepatitis A vaccine is strongly recommended but not required.

Deferred Enrollment

Please see the appropriate section for information regarding deferred enrollment.

Undergraduate

Johnson & Wales offers a two-year deferred enrollment to students who have applied and been accepted to the university but, for various reasons, wish to postpone their enrollment. Johnson & Wales University retains student application material and will honor the admissions decision for up to two years; after that time frame, the applicant will need to submit a new application and transcript for review. Reservation fees will remain effective during the deferment period. Merit scholarships awarded through the application process will be honored for up to two years from the time of initial acceptance. Federal student aid is awarded annually; a student must reapply for federal funds through the Free Application for Federal Student Aid (<https://fafsa.ed.gov>) (FAFSA).

Graduate

Johnson & Wales University retains student application material for up to two years. An admissions decision will be honored for up to two years from the date of acceptance; after that time frame, the applicant will need to submit a new application and transcript for review. Reservation fees will remain effective during the deferment period. For Physician Assistant students, an acceptance is only applicable for the term originally accepted. To apply for another term, applicants must reapply through the Central Application Service for Physician Assistants (CASPA) application.

Students wishing to change their selected date of enrollment should forward a request to Graduate Admissions stating the term in which they wish to enroll. International applicants must submit an updated bank statement 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 (<https://fafsa.ed.gov>) (FAFSA).

Advanced Placement Credit

Students entering Johnson & Wales University with Advanced Placement test scores of 3 or greater will be granted 4.5 quarter credits for the equivalent JWU course. 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 courses equivalencies, go to the Transfer

Evaluation System (TES) (https://tes.collegesource.com/view/tes_view01.asp?rid=%7B145040A7-7365-4840-8A90-B20C0B6FFB26%7D&aid=%7B5C721B0F-0E7E-4E91-9399-06A81322B340%7D) and type College Board in the search box. Exam titles are listed alphabetically preceded by the designation of AP. For more information about AP credit, contact University Transfer and Testing.

The 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.

Transfer Credit

Both graduate and undergraduate coursework completed at institutions recognized by a U.S. Department of Education accrediting agency or international Ministry of Education is eligible for transfer credit; however, transfer credit is not guaranteed. 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. 213).

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 term of enrollment. In some cases, an official course outline or syllabus will be required for evaluation.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions/syllabus (subject details or content outline) are required for transfer credit evaluations of all courses taken at foreign universities.

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) will be accepted. Courses that carry grades of "pass" are also acceptable for transfer provided credit was awarded, and a grade of P carries a numeric GPA value of 2.00 or greater. Credits earned in developmental and remedial, English as a Second Language courses, or CEUs (continuing education units) are nontransferable.

Upon completion of the transfer credit evaluation, accepted students will receive a copy of their degree audit (international students receive a transfer credit allowance) showing the credit accepted toward their program of study. Students with domestic transfer credit wishing to review such credits must contact a transfer advisor in Student Academic & Financial Services. Those with transcripts from foreign institutions must contact International Admissions.

JWU has a number of articulation agreements (<https://www.jwu.edu/content.aspx?id=53299>) and transfer credit equivalencies in place that facilitate student transfers to Johnson & Wales University. The university works closely with all colleges who wish to articulate with JWU and continuously works to develop new partnerships. The Transfer Evaluation System (https://tes.collegesource.com/view/tes_view01.asp?rid=%7B145040A7-7365-4840-8A90-B20C0B6FFB26%7D&aid=%7B5C721B0F-0E7E-4E91-9399-06A81322B340%7D) 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

Master's degree applicants with graduate-level coursework taken at approved colleges and universities may be eligible for transfer credit. A maximum of 20 percent of the program's credits (two graduate-level courses) can be awarded as transfer credit for courses completed with a grade of B or better (3.00 GPA). Courses must be similar in level, content and duration to JWU courses in the student's intended program of study. In some cases, an official course outline

or syllabus will be required for evaluation. Courses will be approved by the dean.

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 term of enrollment. In some cases, an official course outline or syllabus will be required for evaluation.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions/syllabi (subject details or content outline) are required for transfer credit evaluations of all courses taken at foreign universities.

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 that the degree audit is available for review.

Students with domestic transfer credit wishing to review such credits must contact a transfer advisor in Student Academic & Financial Services. International students wishing to review transfer credits should contact a graduate student academic counselor in Student Academic & Financial Services upon enrollment into the graduate school major. Those with transcripts from foreign institutions may be referred to the director of international credentials.

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 to prepare for graduate study. Course descriptions for undergraduate prerequisite courses are listed in the university's undergraduate catalog.

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 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), may be used to exempt the student from the respective prerequisite. Specific graduate degree program prerequisite and foundation requirements are listed in the catalog (<http://catalog.jwu.edu/programsstudy>) under each program of study.

Upon transcript review, domestic students 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. Students with domestic transcripts wishing to review prerequisite or foundation course credits must contact a transfer advisor in Student Academic & Financial Services. International students wishing to review transfer credits should contact a graduate student academic counselor in Student Academic & Financial Services upon enrollment into the graduate school major. Those with transcripts from foreign institutions may be referred to the director of international credentials.

Home-Schooled Students

Home-schooled students will be required to provide a high school transcript and a copy of their ACT or SAT test scores. Both the grades on the transcript and the ACT/SAT test scores will be reviewed to determine admissions and scholarship eligibility. Combined SAT scores of 1000 (reading and math, 500 each) or ACT equivalent are required for admittance.

A home-schooled student must be able to document that he or she has completed high school. Verification documents for home-schooled students include at least one of the following:

- a high school diploma 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 from a party acceptable to the university 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.

Early Enrollment

The Early Enrollment Program gives high school seniors an opportunity to enroll full time in college courses at JWU during their senior year of high school. Students should apply for admission to the Early Enrollment Program during their junior year of high school.*

The Early Enrollment Program was designed to help students investigate the variety of college and career options available to them. Early Enrollment Program students earn college credits while completing high school graduation requirements.

* International students on an F-1 visa are not eligible for the Early Enrollment Program.

Undeclared Program

All students who enroll in the Undeclared Program at Johnson & Wales University's Providence Campus pursue a general studies program for the first two years.* In addition, they take introductory courses in management and hospitality to help them focus on a career path and choose a major. During the fifth term, they must select a major from a variety of business or hospitality programs.

* International students must declare a major in order to apply for an F-1 Visa.

Technical Standards

College of Culinary Arts

To participate in any program in the College of Culinary Arts, 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, by telephone and email
- 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, serve and clear guest tables
- use knives, commercial cooking utensils and operate commercial foodservice 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 timeframe

The foregoing technical standards are essential to all programs of instruction in the College of Culinary Arts and also reflect industry requirements and standards.

School of Hospitality

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, 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, 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 U.S. ADA specifications
- carry out tour guide responsibilities (for example, leading groups to access museums and outdoor tourism destinations, hotels and restaurants) at international destinations, which may not meet U.S. ADA specifications
- complete job responsibilities on both day and night shifts

Hotel & Lodging 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, 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 U.S. ADA specifications
- participate in tours of restaurants, hotels and tourism at international destinations, which may not meet U.S. ADA specifications
- complete job responsibilities on both day and night shifts

Restaurant, Food & Beverage 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, 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, serve and clear guest tables
- use knives, commercial cooking utensils and operate commercial foodservice 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 timeframe

The foregoing technical standards are essential to the programs of instruction in The Hospitality College and also reflect industry requirements and standards.

School of Professional Studies

Equine Business Management/Riding

To participate in these programs, 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
- 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 & 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 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 2 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 his/her entire body a distance of no less than 3 meters within 3 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.

Center for Physician Assistant Studies

For a complete list of the Technical Standards for the Center for Physician Assistant Studies, please contact the Director of the Center for Physician Assistant Studies.

Military & Veterans

Johnson & Wales University is approved for the training of veterans by the state approving agency.

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 school and a participant of the Principles of Excellence. JWU is dedicated to help 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 (Chapter 30), MGI B Selected Reserve Chapter (1606), Reserve Educational Assistance Program (Chapter 1607), Dependents Education Assistance (CH 35), Post-9/11 GI Bill (Chapter 33), Yellow Ribbon Program, Vocational Rehabilitation (Chapter 31), Tuition Assistance and other programs/benefits.

JWU thanks you for your commitment and service! For more information please visit our Military and Veterans Web page (<https://www1.jwu.edu/future-students/military-and-veterans>). To determine eligibility please contact the Department of Veterans Affairs toll free at 1-888-442-4551 or online (<http://www.benefits.va.gov/gibill>).

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 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 & Financial 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 UMass Dartmouth.

Scholarship opportunities are available through this program.

The US Army Officers' Training Program (ROTC) teaches team work, leadership, and responsibility through a curriculum that includes the following Military Science courses:

MIL 101 - Leadership and Personal and 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 202 - American Military History

Using lecture and small group discussions, this course is a survey of the American military experience from the Colonial wars to Desert Storm. The instruction analyzes the policies, strategies, and tactics of three centuries of military history. These events are analyzed using the conventional discipline of historical methodology and the classical norms of the principles of warfare. Same as HIS 202. (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, persuad-

ing, 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 at 401-865-2471.

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.

While not required for all programs of study, graduate students are encouraged to submit employment information, resume/CV and letters of recommendation for admissions consideration.

Undergraduate

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. To expedite the admissions process, applicants must enclose OFFICIAL or CERTIFIED documents from the institution or authorizing body when submitting an application. Photocopies, fax copies, U.S. notary copies, scanned or emailed documents are not valid. Note: Currently the university is not accepting applications for online degree programs from international students.

These international applicants must submit the following:

1. An accurate, complete and legible international application form that has been signed and dated by the applicant. All schools attended must be listed, with dates of attendance.
2. 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.
3. Completed financial declaration (<http://admissions.jwu.edu/uploadedFiles/Content/Documents/JWUIntlUgradDeclarationFinancialSupportUNIV.pdf>) signed by both the applicant and the sponsor
4. English Language Proficiency test results (See English Language Proficiency (p. 224) and English Proficiency Requirements (p. 224))
5. 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.
6. 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.
7. Copy of biographical section of applicant's current passport.

- Certified word-for-word translations of all non-English credentials must be submitted.

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 campus where you intend to enroll:

PROVIDENCE CAMPUS

Johnson & Wales University
International Admissions
8 Abbott Park Place
Providence, RI 02903 USA
Telephone: 401-598-1074
Fax: 401-598-4641
Email: jwuintl@admissions.jwu.edu

NORTH MIAMI CAMPUS

Johnson & Wales University
International Admissions
1701 NE 127th Street
North Miami, FL 33181 USA
Telephone: 305-892-7000
Fax: 305-892-7020

DENVER CAMPUS

Johnson & Wales University
International Admissions
7150 Montview Boulevard
Denver, CO 80220 USA
Telephone: 303-256-9300
Fax: 303-256-9333

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 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. 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. **Without such verification, students will not be allowed to register for the current term 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. Photocopies, fax copies, U.S. Notary copies, scanned or emailed documents are not valid. Note: Currently the university is not accepting applications for online degree programs from international students.

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. 224) for scores required for admission.

The following documents are not required for admission to the University, but are mandatory for immigration purposes. An I-20 will not be issued until these documents have been received:

- Declaration of Financial Support (<http://admissions.jwu.edu/uploadedFiles/Content/Documents/JWUGradInternationalFinancialSupportPVD.pdf>) signed by both the applicant and the sponsor
- 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 issued. The amount required may vary according to the academic program of admission.
- Copy of the biographical section of your current passport

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:

PROVIDENCE CAMPUS

Johnson & Wales University
Graduate Admissions
8 Abbott Park Place
Providence, RI 02903 USA
Telephone: +1-401-598-1015 or 1-800-342-5598
Fax: +1-401-598-1286
Email: pvdgrad@admissions.jwu.edu

Form I-20/Visa

Initial Form I-20

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 students have been accepted and have submitted evidence of financial support. International students must register for the term for which admission is offered and must maintain full-time status during the academic year.

Students are admitted to the United States to attend the school that issued their I-20 form. Using an initial attendance 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 to Homeland Security.

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 foreign student advisor at the institution last attended) prior to receiving a Form I-20.

English Language Proficiency

Applicants whose primary language is not English must provide proof of English proficiency. 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.

Johnson & Wales University’s English as a Second Language (ESL) program allows students to focus on the areas where they need the most improvement. Some advanced-level ESL students may take a regular undergraduate degree class in place of an ESL class that has been exempted because of proficiency in a particular area. This flexibility provides students with the most efficient transition into college.

English Language Placement testing for new ESL students will be given before the beginning of each term. JWU uses the students’ scores from this testing to place students into the appropriate level of ESL.

English Proficiency Requirements

Johnson & Wales University recognizes a number of examinations as proof of English proficiency (p. 224). 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 requires meeting both the overall score and the individual subscores.

Examination	Score	Undergraduate Subscores	Graduate Subscores
PTE Academic (Pearson Test of English)	53	43 or higher	43 or higher

IELTS (International English Language Testing System, Cambridge)	6.5	5.5 or higher	6.0 or higher
TOEFL iBT (Test of English as Foreign Language internet, ETS)	80	15 or higher; Writing 17 or higher	18 or higher
TOEFL PPT (Test of English as Foreign Language paper, ETS)	550	48 or higher	48 or higher
ELS Level 112 Certificate of Completion and Academic Report	Transcript		
City & Guilds Pitman ESOL Examinations	Higher Intermediate or Expert Level		
CAE (Certificate in Advanced English, Edexcel)	C1 or C2 Level		
LTE (The London Tests of English)	Level 4 (Advanced)		
MELAB (Michigan English Language Battery)	77		
SAT Critical Reading and Writing	Section scores of 450 in each		
ACT English/ Writing	Combined score of 19		
ACT English and Reading	Section scores of 19 in each		
S.T.E.P. Eiken (Society for Testing English Proficiency)	Grade 1		

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.

To meet English proficiency requirements, all English language examination results must be submitted on an official test transcript 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.

Students may be exempted from individual ESL classes based on their individual test section scores. Individual section scores and total scores must also meet minimum score requirements; 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.

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 and diploma or official examination results. Transfer students must submit official high school transcripts/diploma as well as official final transcripts from previous colleges/universities attended. International Graduate Studies students must submit official transcripts/mark sheets from all institutions attended and diploma showing bachelor's degree conferral. **Without such verification, students will not be allowed to register for the current term 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 the International Baccalaureate Diploma and Certificate Examination. JWU will award 4.5–9.0 quarter credits for standard and higher-level exams with a score of 4 or better as applicable for the intended JWU major. Students must submit an official IBO examination transcript from the International Baccalaureate Organization.

General Certificate of Education Advanced Level (A-level)

Johnson & Wales University will award up to 12 quarter credits per subject for GCE Advanced Level Examinations (excluding General Paper) passed with grade equivalents of C or better. Up to six quarter 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 U.K. examinations board.

Caribbean Advanced Proficiency Examinations (CAPE)

Johnson & Wales University will award up to 13.5 quarter credits per subject for two-year CAPE examinations passed with a grade of IV or better. Up to 4.5 quarter 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 Articulation Agreements include the following:

- At-Sunrice Global Chef Academy, Singapore
- Barbados Community College, Barbados
- Bermuda College, Bermuda
- College of the Bahamas (COB), Bahamas
- Florence University of the Arts (Apicius), Italy
- Guangzhou University, China
- Higher Hotel Institute, Cyprus (HHIC)
- Holland College, Canada
- Humber College, Canada — Memorandum of Understanding only
- Hyejeon College, Korea
- IHEM (International Institute for Higher Education in Morocco)
- Imperial Hotel Management College, Canada
- Kolej Damansara Utama (KDU), Malaysia
- Kimpo College, Korea
- Les Roches, Switzerland
- MSA Istanbul, Turkey
- Nanjing University, China
- Ott College, Argentina
- School of Education & Training at Renmin University of China (HND), China
- SHATEC Institute, Singapore
- Sir Arthur Lewis Community College (SALCC), St. Lucia
- Taylor's University College, Malaysia
- Trinidad & Tobago Hospitality & Tourism Institute (THTI), Trinidad & Tobago
- Turks and Caicos Islands Community College (TCICC), Turks and Caicos Islands
- Université Privée de Marrakech — UPM, Morocco
- USCI, Malaysia
- University of St. Martin, Sint Maarten
- Woosong University, Korea
- Yunnan College of Tourism, China

In addition, JWU recognizes and grants transfer credit exemptions for a number of diplomas and qualifications provided by accredited colleges, universities and educational organizations throughout the world. These include the following:

- ACT Education Solutions Ltd. — Global Assessment Certificate (GAC)
- Cambridge International Examinations, UK — Advanced/Advanced Subsidiary (A/AS Level), Pre-U Certificate
- Caribbean Examinations Council — Advanced Proficiency Examinations (CAPE)
- Pearson – Edexcel, BTEC — Higher National Diploma, Business & Technology Education Council (HND)
- Educational Institute of the American Hotel & Lodging Association (E.I. of AH&LA)
- Failte Ireland, National Tourism Development Authority, Ireland — Certificate in Professional Cookery
- Hotelfachschule, Germany
- Industrie — und Handelskammer (IHK), Germany — Professional Diplomas in Culinary Arts, Hotel Management, Restaurant Management
- International Baccalaureate Organization — International Baccalaureate (IB)
- National Council for Hotel Management and Catering Technology (NCHMCT, formerly IHMCTAN), India — Hotel Management Diploma
- Scottish Qualification Authority (SQA), UK — National Diploma (HND)
- Technical & Vocational Training Corporation (TVTC, formerly Gotevot), Kingdom of Saudi Arabia

NOTE: Currently the university is not accepting applications for online degree programs from international students.

International Transfer Credit

Coursework completed at institutions recognized by a U.S. Department of Education accrediting agency or international Ministry of Education is eligible for transfer credit; however, transfer credit is not guaranteed.

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 term of enrollment. In some cases, an official course outline or syllabus will be required for evaluation.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions/syllabus (subject details or content outline) are required for transfer credit evaluations of all courses taken at foreign universities.

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) will be accepted. Courses that carry grades of "pass" are also acceptable for transfer provided credit was awarded, and a grade of P carries a numeric GPA value of 2.00 or greater. Credits earned in developmental and remedial, English as a Second Language courses, or CEUs (continuing education units) are nontransferable.

Upon completion of the transfer credit evaluation, accepted students will receive a copy of their degree audit (international students receive a transfer credit allowance) showing the credit accepted toward their program of study. Students with domestic transfer credit wishing to review such credits must contact a transfer advisor in Student Academic & Financial Services. Those with transcripts from foreign institutions must contact International Admissions.

JWU has a number of articulation agreements (<https://www.jwu.edu/content.aspx?id=53299>) and transfer credit equivalencies in place that facilitate student transfers to Johnson & Wales University. The university works closely with all colleges who wish to articulate with JWU and continuously works to develop new partnerships. The Transfer Evaluation System (https://tes.collegesource.com/view/tes_view01.asp?rid=%7B145040A7-7365-4840-8A90-B20C0B6FFB26%7D&aid=

%7B5C721B0F-0E7E-4E91-9399-06A81322B340%7D

) 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

Master's degree applicants with graduate-level coursework taken at approved colleges and universities may be eligible for transfer credit. A maximum of 20 percent of the program's credits (two graduate-level courses) can be awarded as transfer credit for courses completed with a grade of B or better (3.00 GPA). Courses must be similar in level, content and duration to JWU courses in the student's intended program of study. In some cases, an official course outline or syllabus will be required for evaluation. Courses will be approved by the dean.

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 term of enrollment. In some cases, an official course outline or syllabus will be required for evaluation.

All non-English documents must be accompanied by certified word-for-word English translations. In addition, course descriptions/syllabi (subject details or content outline) are required for transfer credit evaluations of all courses taken at foreign universities.

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 that the degree audit is available for review.

Students with domestic transfer credit wishing to review such credits must contact a transfer advisor in Student Academic & Financial Services. International students wishing to review transfer credits should contact a graduate student academic counselor in Student Academic & Financial Services upon enrollment into the graduate school major. Those with transcripts from foreign institutions may be referred to the director of international credentials.

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 to prepare for graduate study. Course descriptions for undergraduate prerequisite courses are listed in the university's undergraduate catalog.

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 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), may be used to exempt the student from the respective prerequisite. Specific graduate degree program prerequisite and foundation requirements are listed in the catalog (<http://catalog.jwu.edu/programsofstudy>) under each program of study.

Upon transcript review, domestic students 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. Students with domestic transcripts wishing to review prerequisite or foundation course credits must contact a transfer advisor in Student Academic & Financial Services. International students wishing to review transfer credits should contact a graduate student academic counselor in

Student Academic & Financial Services upon enrollment into the graduate school major. Those with transcripts from foreign institutions may be referred to the director of international credentials.

Placement Testing

Placement testing is used to place students into appropriate course levels and to determine the student's 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 special accommodations must forward the appropriate documentation to the Center for Academic Support (p. 240), at 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.

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 and English placement testing only if Johnson & Wales University has awarded them transfer credit for both, first level mathematics and English courses.

The university administers ACCUPLACER mathematics and English placement tests to assess students' skills in these areas. The mathematics test is designed to evaluate skills in relation to those required for college math courses. English placement testing includes a sentence skills 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, 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 7 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 receive a score report immediately following ACCUPLACER administration. Students will also be contacted by an academic counselor from Student Academic & Financial Services one to two weeks after they have completed placement testing to discuss their placement and course registration.

Students requesting to retake their placement exam may do so by contacting Student Academic & Financial Services. Students will be allowed one retake 30 days after their initial test at no charge.

Visit Testing Services (http://linkweb.jwu.edu/Registration_and_Grades/Testing_for_Credit) for additional information.

Modern Languages

All undergraduate students are required to take a placement exam prior to registering for a language course for which they studied more than one year in high school. Modern Language placement exams are required for Spanish, French and German.

Modern Language placement exams will be scheduled at the beginning of each term. 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 apply for the Departmental Challenge Examination to earn the language credits (fees apply), or to have the language credits replaced with arts and sciences electives.

For additional information, visit Testing & Placement dates (http://linkweb.jwu.edu/Registration_and_Grades/Testing_Services).

English as a Second Language (ESL)

Students admitted into the ESL Program are required to complete the Levels of English Proficiency (LOEP) Test to assess their English Language proficiency prior to registering for courses in their intended program of study. This test includes three sections: reading, language usage, and sentence meaning. LOEP tests will be scheduled at the beginning of each term, and are administered via the ACCUPLACER computer-based placement testing system.

Results of the 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 Institutional TOEFL Test (ITT). Students who obtain a score of 550 or higher in the ITT can exit the ESL program and enroll directly in their degree program courses. Students with a test score under 550 on the ITT will have their individual section scores reviewed in the areas of listening, grammar and reading. Section scores with a minimum of 550 on the ITT will exempt the student from the corresponding ESL class. Students who do not 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) 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 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. Official College Board transcripts are required for CLEP exam credit to be awarded.
6. CLEP exams, if failed, can be repeated three months after the initial testing date.
7. Portfolio Assessment and Challenge Exams cannot be repeated if failed.
8. The university recognizes up to a maximum of 45 undergraduate credits earned through Prior Learning Assessment.
9. Prior Learning Assessment credits are not considered when determining residency requirement (<http://catalog.jwu.edu/handbook/academicinformation/residencyrequirements>) (<http://catalog.jwu.edu/handbook/academicinformation/residencyrequirement>).
10. Students must present a valid picture ID when testing.

Visit Testing Services (http://linkweb.jwu.edu/Registration_and_Grades/Testing_for_Credit) for complete policies, course options, deadlines, examination dates and fees.

In all cases, the academic department determines policy as it relates to the testing options 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.

Portfolio Assessment

(for credit, with fees)

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 to discuss these options.

Prior to applying for the Portfolio Assessment option of Prior Learning, students are required to successfully complete ENG1020 English Composition, 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 application date. Completed Portfolios will be submitted electronically to the appropriate department designee for review. Students will be 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.

Once the seminar is completed, eligible students, in consultation with an academic counselor, may submit additional portfolios.

Visit Testing Services (http://linkweb.jwu.edu/Registration_and_Grades/Testing_for_Credit) to review the full testing brochure for policies, course options, deadlines and fees.

College Level Examination Program (CLEP)

(for credit, with fees)

College-Level Examination Program (CLEP) exams are widely accepted national standardized exams sponsored by the College Board. These credit-by-examination tests give students the opportunity to earn college credit for a variety of subjects by obtaining qualifying test scores.

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 courses equivalencies, go to the Transfer Evaluation System (TES) (https://tes.collegesource.com/view/tes_view01.asp?rid=%7B145040A7-7365-4840-8A90-B20C0B6FFB26%7D&aid=%7B5C721B0F-0E7E-4E91-9399-06A81322B340%7D) 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, please visit CLEP for Military (<http://clep.collegeboard.org/military/veterans>). JWU waives the CLEP administration fee for its U.S. Military and U.S. Veteran students.

Visit Testing Services (http://linkweb.jwu.edu/Registration_and_Grades/Testing_for_Credit) for complete policies, course options, deadlines, examination dates and fees.

Departmental Challenge Examination

(credit by examination: for credit, with fees)

Departmental Challenge exams are exams created by the Johnson & Wales University department in which the course is taught and are designed based on its 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 (http://linkweb.jwu.edu/Registration_and_Grades/Testing_for_Credit) for complete policies, course options, deadlines, examination dates and fees.

Accelerated Programs

Johnson & Wales University offers the following accelerated programs. For more information, contact Admissions at the campus of your choice.

3+3 B.S./J.D. Law Program

The 3+3 B.S./J.D. Law program allows JWU 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 College of Arts & Sciences dean's office at 401-598-1400 to declare intent to pursue the 3+3 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 College of Arts & Sciences dean's office at the Providence Campus.

4+1 B.S./MBA/M.S. Programs

The five-year B.S. and MBA or M.S. programs allow JWU full-time day seniors to earn a bachelor's degree in their major plus an MBA or an M.S. Depending on when students enter the program, they may complete their master's-level study in 12–15 months. Qualified students may enroll in a graduate course each term of their senior year and complete up to three graduate courses (at no additional charge) at Johnson & Wales while completing their bachelor's degree.

4+1 degree programs are offered at the Providence and Denver campuses. Please see the Admissions Requirements (<http://catalog.jwu.edu/admissions/applying/admissionsrequirements/#graduatetext>) section of the catalog for more information.

B.S./M.S. Counseling

Through the B.S./M.S. in Counseling program, students can take up to three graduate-level courses during their senior year at no additional charge, then continue on to complete the M.S. in Counseling. Students who are majoring in Counseling Psychology or a related field may apply to the B.S./M.S. in Counseling program. To be considered for admission to the B.S./M.S. in Counseling program, the following must be submitted or completed:

1. A completed and signed Acknowledgement Checklist form, available in the Graduate Admissions Office
2. A completed application for graduate admission, marking the B.S./M.S. in Counseling box under Special Programs Selection section
3. A 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. A personal reference form may be substituted for the recommendation letters.
5. Current resume or CV
6. Completion of these undergraduate courses with a grade of C or better: General Psychology, Abnormal Psychology, and Statistics or Research Methods
7. A cumulative grade point average of 3.0 or higher
8. Personal interview

This program is offered at the Providence Campus. Please see the Admissions Requirements (<http://catalog.jwu.edu/admissions/applying/admissionsrequirements/#graduatetext>) section of the catalog for more information.

B.S. Biology/M.S. Physician Assistant Studies

JWU undergraduate students majoring in biology may take advantage of an internal articulation agreement for admission to the JWU Physician Assistant Studies program. This agreement allows the PA program to accept up to 12 qualified JWU biology candidates annually for admission to its graduate program leading to the Master of Science in Physician Assistant Studies. More information and details of the agreement may be found at Johnson & Wales University (<http://www.jwu.edu/uploadedFiles/Documents/Academics/JWUPAStudiesArticAgreeJWU.pdf>) (200K PDF).

This program is offered at the Providence Campus. Please see the Admissions Requirements (<http://catalog.jwu.edu/admissions/applying/admissionsrequirements/#graduatetext>) section of the catalog for more information.

FAST and College Credit

Johnson & Wales University offers students an opportunity to earn credits toward a JWU degree prior to commencing their studies at the university. Eligible students may earn credit by participating in the Freshman Advanced

Study Track (FAST) Program sponsored by the College of Culinary Arts. In order to qualify for credit, students must meet the following requirements:

- Be enrolled in an approved FAST school program.
- Complete a minimum of two years in an approved commercial foods secondary school program.
- Earn a minimum of a B (3.0) grade point average in the commercial foods program.
- Meet all of the requirements for acceptance to Johnson & Wales University.
- Successfully pass a three-hour practical exam. Exam fee: \$300

Note: FAST applies only to culinary majors. It is not applicable to baking & pastry majors.

Upon successful completion of the above requirements, qualified applicants may receive up to nine (9) quarter credits toward their JWU degree. For more information regarding the requirements to become a FAST-approved school or the FAST practical exam, contact Admissions.

Students enrolling in other JWU programs may be eligible to earn transfer credits through the Prior Learning Assessment Program. Undergraduate students may earn course credit for previous academic and/or other learning experiences by successfully completing Challenge, CLEP, DSST or Portfolio Assessment.

For more information about the FAST or Prior Learning Assessment programs, contact Admissions.

SHARP

Special Honors and Rewards Program (SHARP) is an honors program designed for qualified full-time undergraduate students in a day program who wish to accelerate their program to complete degree requirements in less than the normally required time. This is accomplished by increasing the student's course load each term as scheduling permits. SHARP results in savings of time and expenses for eligible students.

Day program students accepted into SHARP may register for up to 25.0 credits each term with no additional fees. Interested students must submit a SHARP application to Student Academic & Financial Services. The following students are eligible for SHARP:

1. Incoming freshmen who are honors graduates of approved secondary schools, have been elected to their state or national honor society, or have maintained a minimum GPA of 3.0
2. New transfer students who maintained full-time enrollment at a previous institution and each term earned a cumulative GPA equivalent to dean's list status for that institution
3. Students who have maintained full-time enrollment at JWU and a cumulative GPA of 3.40 at the end of each term

Note: The only exception to this policy is the first term of enrollment at JWU, during which the cumulative GPA may be less than 3.40.

If a student does not exercise this option, SHARP eligibility may continue provided that the student maintains continuous full-time matriculation while maintaining a cumulative 3.40 GPA after all terms. The benefits provided by SHARP are not applicable during full-time internship terms or for an additional culinary/pastry laboratory class. Preferred scheduling and graduation acceleration are not guaranteed.

Failure to maintain a cumulative GPA of 3.40 or better after each term will cause the student to become permanently ineligible for the benefits provided by SHARP. Student Academic & Financial Services will only notify a student of their withdrawal from the SHARP program via their JWU email account, and it is the student's responsibility to drop extra credits, if registered, to avoid incurring additional charges.

Financing Your Education

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.

Tuition and Fees

The following tuition and fees schedule is effective for the 2016–17 academic year. Tuition and fees are 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 term basis and consists of 12 to 21 quarter credit hours per term. Students carrying more than 21 quarter credit hours will be charged for each quarter credit over 21. When repeating courses already attempted, students may be assessed a fee for those courses. Students are assessed tuition upon course registration each term. Summer is considered a separate term. The quarter credit hour rate is \$563.

Tuition	Fee
Annual Tuition	\$30,396
Orientation Fee	\$350
Student Health Insurance	\$1,476 annually
Room Only*	
Apt. 1	\$13,032
Apt. 2	\$11,322
Apt. 3	\$9,948
Tier 1	\$9,243
Tier 2 and Cooperative	\$8,268
Tier 3	\$7,272
Meal Plans**	
7 meals per week/\$300 annual flex dollars (apartment-style living only)	\$2,121
10 meals per week/\$600 annual flex dollars	\$3,198
14 meals per week/\$600 annual flex dollars	\$4,227
18 meals per week/\$300 annual flex dollars	\$4,404

* **Room Only** is for the academic year and includes residence hall accommodations, but does not include meals. For more information contact Residential Life at 401-598-1141.

** **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 (<https://jwudining.afford.com>).

All of the 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	\$404
25 meal block	\$202
25 meal block/\$50 flex dollars	\$252
10 meal block	\$81
Meal price paid at the door	\$8.50

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/deposit deadline and encourages students to research all schools before placing a reservation fee. Reservation fees received after May 1, 2016 will be accepted on the

basis of space availability. Reservation fees received prior to May 1, 2016 are refundable. Students must also have an approved payment plan with Student Academic & Financial Services by July 15, 2016 to guarantee a room assignment. Students who establish an approved payment plan after July 15, 2016 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, 2016. After May 1, 2016 the reservation fee of \$300 (or \$150 of such fee in the case of applicants to the North Miami Campus) is nonrefundable.

Orientation Fee

This nonrefundable fee, which is uniformly charged, is required of all new students for orientation and term start activities. It is charged to students who start during the fall, winter or spring term.

Medical Health Coverage While Enrolled

All registered undergraduate day students, both domestic and international; all students enrolled in the physician assistant degree program; and all international graduate and doctoral students attending Johnson & Wales University are required to have health insurance coverage that is accepted in the United States. If students have health insurance coverage through other means (i.e., parent's health insurance or an employer program), they do not have to enroll in the Johnson & Wales student health insurance plan. They 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 Health Services (<http://www.jwu.edu/content.aspx?id=10320>) page of the JWU website.

Graduate Tuition

The following tuition and fees schedules are effective for the 2016–17 academic year for programs at the Providence and Denver campuses. Tuition and fees are subject to change annually.

Tuition	Fee
MBA Program Providence	\$438 per credit
MBA Program Providence	\$1,971 per 4.5 credit course
M.A.T./M.Ed.	\$334 per credit
M.A.T./M.Ed.	\$1,503 per 4.5 credit course
Additional Fee Online Providence	\$112 per course
Ed.D. Program	\$837 per credit
Ed.D. Program	\$5,022 per 6 credit course
Dissertation Fee	\$1,572 per semester
MBA Program Denver	\$463 per credit
MBA Program Denver	\$2,083 per 4.5 credit course
Student Health Insurance	\$1,476 annually

Extension Students

Tuition rates for extension students are billed based on the number of quarter credit hours scheduled.

Early Enrollment

Early Enrollment Program (p. 221) tuition is 50 percent of the 2016–17 tuition charge. Early Enrollment Program students are also subject to appropriate university fees, including full room, meals, orientation fee and student health insurance. 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 Academic & 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 \$6,883 tuition per term. The quarter credit hour rate is \$382. This program charge will be applied for each term the student remains in the ESL program. ESL students are not eligible for Johnson & Wales University scholarships or grants.

Other Fees

Off-campus Housing

The out-of-pocket cost for housing 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 is approximately \$1,200 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 \$1,500 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 (<http://www.bkstr.com/johnsonwalesstore/home>) or through other venues where available. The bookstores operate a textbook sales/buyback program to help students minimize these costs.

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

Annual Payments

The student may make one payment in full for the entire academic year. Students are responsible for paying all charges in full or making appropriate arrangements by the published due date.

July 15, 2016

- New Undergraduate day

August 5, 2016

- Returning Undergraduate day
- Graduate Studies
- Continuing Education
- Doctoral
- Physician Assistant Studies

August 19, 2016

- Undergraduate International day
- Online

Term Payments

Students attending a program with terms may make three payments per academic year, and students in a semester program 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 Tuition Management Systems (TMS) (<https://jwu.afford.com>). 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 TMS and pay the first payment, in addition to the enrollment fee, by the fall published due dates listed above.

All Johnson & Wales University students must fulfill their financial obligations to the university by the published due dates listed above. (All off-term

entrants must meet the financial obligation by the published date for that term.)

To meet your financial obligation you must do one of the following by the published due date:

- Make a full term payment.
- Contract with TMS 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 Academic & Financial Services using a combination of the above options.

If you do not fulfill your financial obligation by the published due date, your housing assignment may be removed. In addition, your class schedule for the 2016–17 academic year may also 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 terms 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. 232). 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 (p. 232) 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 term and who 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 percent of the period of enrollment and earned the grade of F. A student must be engaged in academically related activities beyond 60 percent 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 percent, 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 percent point of the period of enrollment, as applicable. A student who does not earn at least one passing grade during a term 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 term during which the student was enrolled. To submit a dispute, students must complete the appropriate form online (<http://www.jwu.edu/forms.aspx?id=55199&ekfrm=55199>). 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 term 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.

* A student enrolled solely in culinary lab courses, who fails to attempt any of the scheduled courses, will be considered to have withdrawn from the university.

Tuition Refund Policy

Term and 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 and Orientation 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 terms and 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. Refunds will be made within 30 days for all non-Title IV students (cash-paying) in Florida.

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.

If a student terminates

- prior to the start of the term, the university will credit 100 percent of the term charges. If eligible, all institutional aid/scholarships for that term will also be returned.
- during the first or second week of the term, the university will credit 90 percent of the term charges. If eligible, all institutional aid/scholarships for that term will be adjusted to 10 percent.
- during the third or fourth week of the term, the university will credit 50 percent of the term charges. If eligible, all institutional aid/scholarships for that term will be adjusted to 50 percent.
- during the fifth or sixth week of the term, the university will credit 25 percent of the term charges. If eligible, all institutional aid/scholarships for that term will be adjusted to 75 percent.

After the sixth week of the term, students will be responsible for 100 percent of the term charges and will receive 100 percent of that term's eligible institutional aid and scholarships.

Examples of university refund policies are available upon request in Student Academic & Financial Services.

University Enrollment Dispute

If a student leaves the university due to extenuating circumstances without officially withdrawing, they may submit a university enrollment dispute (<http://www.jwu.edu/forms.aspx?id=55199>) within 30 days after the end of the term in dispute. No withdrawal disputes will be considered after that time. The student 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 and the student will receive notification via an email sent to the email address they provided on the dispute form.

Withdrawal Policy for Study Abroad Programs

If a student withdraws for any reason, either voluntary or involuntary, prior to June 1 for the fall programs, October 1 for the winter programs, December 15 for the spring programs and March 15 for the summer programs, they may be eligible for a refund on the \$500 deposit (if applicable) and/or a reduction of the program cost charged to the student's account. A written withdrawal letter or email is required and must be sent to the Study Abroad office. This letter must be written and signed by the student. A telephone call will not be sufficient. The date on which the student's letter is received will be the formal date of withdrawal.

The \$500 study abroad deposit is nonrefundable as of June 1 for fall programs, October 1 for winter programs, December 15 for spring programs and March 15 for summer programs.

If a student withdraws after the dates listed above, the student will also be charged for a portion of the program cost. The amount charged (in addition to the \$500 deposit) 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.

If you withdraw after the deposit is non-refundable: The late withdrawal penalty is:

60+ days before program start date	Deposit + \$500
30–59 days before program start date	Deposit + \$1,000
15–29 days before program start date	Deposit + \$2,500
1–14 days before program start date	Deposit + \$3,500
On or after program start date	Deposit + balance of full program (please note: in addition, financial aid may be adjusted.)

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 (<https://www1.jwu.edu/admissions/contact-us/financial-services-team>) 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 awards scholarships based on academic merit. International students can contact the EducationUSA (<http://www.educationusa.info>) advising center in their country to learn more about opportunities for financial assistance.

Financial Aid

To assist students in meeting their educational expenses, the federal government offers grants and low-interest loans. Financial aid is awarded on an annual basis and is disbursed in three equal installments (fall/winter/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 award 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 and loans are financial aid resources available to students. Students may receive assistance from one or both of these funds. Student eligibility for these programs is based on completion and submission of the Free Application for Federal Student Aid (<https://fafsa.ed.gov>) (FAFSA) as described in the How to Apply (p. 232) section. Since awards are not automatically renewable, students must reapply each year. All financial aid awards are determined based on an academic year (fall/winter/spring terms). Financial aid awards and federal loan programs are disbursed based on this term system, which typically equates to three disbursements. All annual awards are posted in three equal amounts, or in some cases fewer, based on the student's entrance date.

Graduate Financial Aid Programs

Federal financial aid programs are available to U.S. citizens or eligible non-citizens. Students may receive assistance from loans, limited institutional aid and/or work programs. If eligible for any one of these, or a combination of both, it is referred to as the financial aid package. Student eligibility for these programs is based on completion and submission of the Free Application for Federal Student Aid (<https://fafsa.ed.gov>) (FAFSA) as described in the How to Apply (p. 232) section. Since awards are not automatically renewable, students must reapply each year. All financial aid awards are determined based on an academic year (fall/winter/spring terms). Financial aid awards and federal loan programs are disbursed based on this term system, which typically equates to three disbursements. All annual awards are posted in three equal amounts, or in some cases fewer, based on the student's entrance date.

For more information call 1-800-343-2565 or 401-598-1468.

How to Apply

Please see the appropriate section 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 (<https://studentaid.ed.gov/sa/fafsa/filling-out/fsaid/#pin-replacement>). 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 must apply for a FSA ID.

2. Free Application for Federal Student Aid (FAFSA)

The Free Application for Federal Student Aid (<http://www.fafsa.ed.gov>) is available online. This form must be completed as soon as possible after January 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.

3. Independent Students

To be considered independent for financial aid purposes for the 2015-2016 academic year, students must answer "Yes" to one of the following questions:

1. Were you born before January 1, 1993?
2. As of today, are you married? (Answer yes if you are separated, but not divorced.)
3. At the beginning of the 2016–2017 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, 2016 and June 30, 2017?
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, 2017?
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, 2015, 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, 2015, 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, 2015, 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 Academic & Financial Services with any questions.

4. Verification and Other Documentation

Student Academic & Financial Services may request additional documentation to verify information provided on the FAFSA (i.e., verification worksheet and untaxed income worksheet). The student and his/her parents may be required to submit signed and dated copies of their Tax Return Transcript. The transcript can be obtained online (<http://www.irs.gov/Individuals/Get-Transcript>) or by calling your local IRS office. The student's

financial aid package will not be complete until all requested documentation has been received and reviewed by Financial Aid. In addition, all student loan borrowers must attend an entrance and exit counseling session during which the student will be advised on his/her loan obligations.

Student Eligibility Requirements

To be eligible for financial aid, 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 academic standing standards (p. 207) as defined in this catalog. Students who fail to maintain satisfactory academic progress will be notified by Student Academic & 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, the number of siblings in college, 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 (<https://studentaid.ed.gov/sa/fafsa/filling-out/fsaid/#pin-replacement>). 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 (<http://www.fafsa.ed.gov>) is available online. This form must be completed as soon as possible after January 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 academic standing standards (p. 207) as defined in this catalog. Students who fail to maintain satisfactory academic progress will be notified by Student Academic & Financial Services.

Federal Grants and Loans

Please see the appropriate section 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 award financial aid for classes that do not count toward a student's degree requirements; therefore, a student's net tuition expense could be higher.

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 award for the 2016–17 award year (July 1, 2016 to June 30, 2017) is \$5,845. The maximum Pell Grant award can change each award year and depends on program funding. Further information may be obtained from the U.S. Department of Education (<http://www.ed.gov>).

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)**, **Federal Perkins Loan** 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. The amount Johnson & Wales University awards ranges from \$100 up to a maximum of approximately \$250 per academic year and is based on financial need and the availability of funds. Students with a previous bachelor's degree are not eligible for a Federal Supplemental Educational Opportunity Grant.

Federal Perkins Loan

This 5% interest bearing loan is funded by the federal government and administered directly by the university. Master Promissory Notes for this loan are available (http://catalog.jwu.edu/financingyourdegree/financialaid/grantsandloans/%20https://www.jwu.edu/uploadedFiles/Documents/Forms/Financial_Services/JWUFinServPerkinsMPN.pdf). Perkins loans are awarded to qualified students with exceptional financial need. The amount a student will receive depends on financial need and the availability of funds.

Students must begin to repay this loan nine months after they leave the university or drop below half-time status. The repayment of principal and interest may be extended over a 10-year period. The amount of each payment depends upon the amount of the student's debt and the length of the student's repayment period.

Federal Work-Study Program

Federal Work-Study is a federally funded program that provides part-time employment to undergraduate students with financial need. Positions are available throughout the university and with selected off-campus community service agencies.

Work-study gives students the opportunity to earn money to help pay 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 Academic & 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 and an entrance interview. Both of these requirements (<https://studentloans.gov>) can be completed online.

Students may borrow up to a maximum of \$3,500 per academic year as freshmen for the first year of undergraduate study, \$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 Direct Lending at 1-800-557-7394 for more information on repayment options.

If you are a 1st time borrower on or after July 1st, 2013, there is a limit on the maximum period of time (measured in academic years) during which you can receive Direct Subsidized loans. You may not receive Direct Subsidized loans for more than 150% of the published length of your program, known as your "maximum eligibility period". For example, if you are enrolled in a four-year bachelor's degree program, the maximum period for which you can receive Direct Subsidized loan is six years, or 150% of your 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 (<https://studentloans.gov>). 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

Subsidized and Unsubsidized Total

Dependent Undergraduates (excluding dependent students whose parents don't qualify for a PLUS)

Year	Range
First Year; freshman	\$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; freshman	\$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 a student/borrower remains responsible for the repayment of educational loans that he/she borrows even if the student is 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 U.S. 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 (<http://studentaid.ed.gov>) website.

Applications for these loans are available on the Direct Lending (<https://studentloans.gov>) 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 January 1. The award process for first-year students begins in March 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:

1. For most programs, students must 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 quarter 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), be in default on a Federal Student Aid loan (e.g., Federal Perkins, etc.); and
7. sign a Statement of Educational Purpose, a Statement of Registration Status and a Statement on Overpayments and Defaults.

Students are eligible to receive financial aid as long as they maintain Satisfactory Academic Progress (SAP) as defined in the SAP (p. 238) section of the catalog, and in the campus Student Handbook (<http://catalog.jwu.edu/handbook>). Students who fail to maintain SAP will be notified by Student Academic & Financial Services. All financial aid will be suspended until satisfactory academic progress is again achieved.

Return of Title IV Funds (Federal Aid)

When a student withdraws (or becomes withdrawn) during a payment period or period of enrollment, the amount of student financial aid program assistance earned is determined by a specific formula. If the student receives (or the university receives on the student's behalf) less assistance than the amount earned, the student may be able to receive those additional funds. Students who received more assistance than what they earned must return the excess funds.

The amount of federal assistance earned is determined on a pro-rata basis. That is, if a student completes 30 percent of the payment period or period of enrollment, the student earns 30 percent of the federal assistance he or she was originally scheduled to receive. Once the student completes more than 60 percent of the payment period or period of enrollment, the student earns all scheduled federal assistance.

The student's loan monies (subsidized, unsubsidized and PLUS) must be on record with the Department of Education before the student's last day of attendance in order for the money to be considered within the formula. If the student is eligible for a post-withdrawal disbursement, a written notice will be mailed requesting the consent of the borrower to post the funds to the student's account. 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.

If a student receives excess funds that must be returned, Johnson & Wales University must return a portion of the excess, equal to the lesser of

- the student's institutional charges multiplied by the unearned percentage of the student's funds
- the entire amount of the excess funds

If the university is not required to return all excess funds, the student must return the remaining amount. Any loan funds that the student must return, must be repaid by the student (or his or her parents for a PLUS Loan) in accordance with the terms of the promissory note.

If a student is responsible for returning grant funds, the student does not have to return the full amount. Students are not required to return 50 percent of the grant assistance received that is the student's responsibility to pay. Any amount not returned is a grant overpayment and the student must make arrangements with the university or Department of Education to return the funds.

Federal regulations establish the following allocation for students who receive Title IV, HEA program funds:

A refund owed to a student who received funds under any Title IV, HEA program will be returned to the Title IV, HEA programs from which the student received aid in the following order until the amounts received by the student from these programs is eliminated: the Unsubsidized/Subsidized Direct Loan, the Perkins Loan, the Parent PLUS Loan, the Pell Grant, the FSEOG program, all other sources of aid, and the student.

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 award financial aid for classes that do not count toward a student's degree requirements; therefore a student's net tuition expense could be higher.

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 (<http://www.studentloans.gov>). Loans made under federal loan programs are applied to the student's account with the university in equal disbursements per term 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.

Campus-based financial aid programs, including the **Federal Perkins Loan** 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 Work-Study Program

Federal Work-Study is a federally funded program that provides part-time employment to undergraduate students with financial need. Positions are available throughout the university and with selected off-campus community service agencies.

Work-study gives students the opportunity to earn money to help pay 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 Academic & Financial Services.

Return of Title IV Funds

Federal regulations establish the following allocation for students who receive Title IV, HEA program funds:

A refund owed to a student who received funds under any Title IV, HEA program will be returned to the Title IV, HEA programs from which the student received aid in the following order until the amounts received by the student from these programs are eliminated: the Federal Direct Unsubsidized Loan program, all other sources of aid, and the student.

State Grants

Students from the following states may be eligible for state grants contingent upon residency and campus location. Please refer to your campus catalog for more information.

- Delaware
- Florida
- North Carolina
- Rhode Island
- Vermont

Contact the higher education authority in your home state for more information.

Institutional Aid

Please see the appropriate section for information regarding institutional aid.

Undergraduate

Johnson & Wales University Grant

This grant is awarded to students based on the annual financial aid awarding process and the student's financial need.

Financial Assistance, Scholarship and Work Programs

Last year, Johnson & Wales University awarded more than \$148 million in institutional aid to students. Awards range from \$500 to full tuition. Scholarships, grants, loans and work programs awarded 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 Academic & Financial Services for summer eligibility. Students studying through the College of Online Education are ineligible for JWU institutional scholarships, JWU institutional grants and JWU institutional awards. Note: Scholarship funds are applied to the student's account with the university in three equal disbursements by term (e.g., a \$3,000 Presidential Academic Scholarship recipient would receive \$1,000 per term).

Most scholarships are renewable for up to four consecutive years of full-time, undergraduate, day school enrollment.

Important Note: There is a cap on the 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 university administered monies. Please contact Student Academic & Financial Services for further information regarding this cap.

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 full tuition. 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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 1, prior to enrollment.

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.

Circle of Academic Excellence Awards

The Circle of Academic Excellence Awards include The Pioneer's Award, the Founder's Award and the President's Award. The University Awards Committee, working with Student Financial Services, selects students for these awards, which are given to enrolled upperclass students who are excelling academically and who meet certain minimum academic criteria. These renewable scholarships are up to \$5,000 per academic year.

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 (<http://www.jwu.edu/apply>) 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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 1, prior to enrollment.

Distinguished Visiting Chef Scholarship

Currently enrolled Culinary Arts and Baking & Pastry Arts students are eligible to receive this up-to-\$2,000 renewable scholarship based upon academic standing and faculty recommendations. Financial need is considered.

Distinguished Visiting Professor Scholarship

The College of Arts & Sciences and the College of Management offer this tuition scholarship of up to \$2,000 to its enrolled students based upon academic standing and faculty recommendation. Financial need is considered. The scholarship is renewable for up to two years.

Employee Tuition Scholarship

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 (<http://hrpulse.jwu.edu>).

Faculty Scholarship

Johnson & Wales University awards a number of scholarships to rising seniors, based upon merit, recommendation, need and GPA. These nonrenewable awards range up to the amount of one term's tuition, which is distributed over three terms.

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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 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 Academic & 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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 1, prior to enrollment.

Junior Achievement (JA) Scholarship

The university offers a number of JA scholarships to accepted incoming students ranging from \$1,000 up to full tuition. 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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 1, prior to enrollment.

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 (<http://www.jwu.edu/apply>) 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 (<http://www.jwu.edu/apply>) 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 full tuition. 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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 1, prior to enrollment.

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. Awards range from \$2,000 to \$15,000 and are renewable up to four years of continuous full-time day school enrollment.

ProStart® 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 (<http://www.jwu.edu/apply>). Amount of scholarships awarded for participation in specific high school curricula is limited to one per student.

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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 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 full tuition. 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 (<http://www.jwu.edu/apply>) and indicate membership. The deadline for full tuition scholarship eligibility is February 1, prior to enrollment.

Transfer Scholarship

An unlimited number of transfer scholarships up to \$10,000 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 45 quarter credit hours/30 semester hours at another institution and maintained a minimum 3.00 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 here (<http://www.tuitionexchange.org/vnews/display.v/SEC/Families|Member%20Schools>).

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 term 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 (<http://www.jwu.edu/scholarships>), get more information and download applications

Graduate

The MBA/M.S. Scholarship

Each year, Graduate Admissions awards a limited number of nonrenewable scholarships to MBA/M.S. applicants who are accepted as full-time students and reflect an ability to excel in their chosen program. The total amount of each scholarship is \$1,000 and the scholarship will be credited to the student's account in equal installments over three consecutive terms. The student must maintain full-time status while in receipt of the scholarship. Applicants will be considered for the scholarship at the time of acceptance and notified of the scholarship award at that time. There is no separate scholarship application.

Pre-MBA Scholarship

Students who successfully complete the Pre-MBA program with the required minimum 3.0 GPA needed to enter the MBA program will receive a nonrenewable \$2,000 MBA scholarship awarded over the length of the program.

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. View a guide to free scholarship searches online (<https://www1.jwu.edu/admissions/paying-for-college/scholarships-and-grants/#outside>), and visit iGrad via your jwuLink account 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.

American Hotel & Lodging Educational Foundation

Scholarship aid is allocated each year by the American Hotel & Lodging Educational Foundation (<https://www.ahlef.org>) to the School of Hospitality. 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.

Connecticut Chefs Association

Scholarships are reserved for second-year culinary arts students who reside in Connecticut. To apply, submit a Free Application for Federal Student Aid (FAFSA), letters of recommendation from instructors and a copy of your academic record to the Scholarship Chairman, Connecticut Chefs Association Inc., PO Box 136, Wethersfield, CT 06109.

Dollars for Scholars

Johnson & Wales University will match up to \$2,500 in scholarship awards made to entering students by affiliated Dollars for Scholars chapters of Scholarship America.

National Restaurant Association Educational Foundation

The National Restaurant Association Educational Foundation (<http://www.nraef.org/students/scholarships>) administers and awards various merit scholarships to qualified undergraduate students in food service related majors.

View the complete list of JWU scholarships (<http://www.jwu.edu/scholarships>), get more information and download applications.

Work Programs

Resident Assistant Program

Students are selected for this program based on strong academic performance and residence hall experience. Applications are available at

Residential Life. Awards range from \$10,500 up to \$12,500 and are renewable based on annual performance.

Student Assistant Employment Program

Scholarships are awarded to students selected for this program. No application is necessary, but a résumé is requested by the hiring department for consideration. Selection is based on strong academic performance and the possession of necessary skills. Awards for 2016–17 are up to \$3,600 and are renewable based on annual employee performance and 2.50 GPA maintenance.

Graduate Student Assistant Employment Program

Students enrolled in graduate programs are eligible to apply for available positions in the Graduate Student Assistant Employment Program. The Graduate Student Assistant Employment Program allows students to continue their education and gain valuable work experience in one of the university's departments or practicum educational facilities. Students in this program earn an hourly wage and are awarded a scholarship.

This is a highly competitive program that requires each applicant to submit a résumé and interview with each hiring supervisor. Graduate student assistant participants are hired based on their ability to meet the minimum qualifications of the position for which they apply. Interested graduate students should contact Student Employment at 401-598-1849 for more information.

Teaching Assistant and Fellowship Programs

Selection for these programs is based on strong academic performance and successful completion of an internship. Applications are available at Practicum Educational Facilities or Culinary Administration. Awards for 2016–17 are up to \$7,000 and are renewable based on annual employee performance and 2.75 GPA maintenance.

Important notice for international students: Please be aware that some of the above programs offer a room and board grant for eligible summer participants. Non-resident 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.

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 advisor to determine how these rules apply to them. Non-resident 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.

Academic Progress

Satisfactory Academic Progress

To be eligible for 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 term, including summer, for each student. Students who do not meet all SAP criteria may lose their eligibility to receive all types of financial aid (e.g., federal, state, private, institutional and other 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	0–21	45%	1.00
Undergraduate	21.1–42	50%	1.26
Undergraduate	42.1–106.9	60%	1.50
Undergraduate	107 or higher	67%	2.00
Graduate	0 or higher	67%	2.00
Doctoral	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 term and a hold will be placed on the student's record, which will prevent them from course registration for all future terms. Students remain eligible for financial aid during the warning term. If SAP criteria are not satisfied at the end of the warning term, the student will be ineligible for financial aid. Students on warning must meet with an academic counselor to clear the hold prior to course registration, and/or to pursue an appeal. Students on warning must submit their appeal and supporting documentation before the eighth week of the warning term.

Ineligible for Financial Aid Period

Students who fail to meet SAP criteria after the warning period are ineligible for 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 financial aid to re-establish SAP standards; however, a payment plan must be established for the tuition and applicable fees associate with the course(s). Once a student is meeting JWU's minimum SAP standards, he or she may regain financial aid eligibility. Students who are interested in reestablishing aid eligibility should meet with an academic counselor 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 he or she did not make SAP and what has changed in the student's situation that will allow the student to demonstrate SAP by the next term. Circumstances and required documentation are illustrated below. The appeal process begins with the student's academic counselor in Student Academic Services. If an academic plan can be created that allows the student to meet SAP criteria within two terms, the counselor 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 financial aid reinstated. To continue receiving 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

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 clubs and organizations. See a topic for specific information.

Academic Support

Center for Academic Support

The Center for Academic Support on the Downcity Campus and the Alan Shawn Feinstein Center for Academic Support on the Harborside Campus offer a variety of services to assist students in preparing for graduation and their careers. The centers complement students' academic and technical training by providing services that help sharpen their ability to position themselves in today's competitive marketplace.

The centers' goals are to support students in their efforts to develop and maximize their talents, empower them to direct their own learning, and help them acquire lifelong behaviors and attitudes that employers value — ultimately leading students on pathways to success.

Examples of services offered:

- tutoring
- supplemental instruction
- workshops in stress management, time management, test-taking strategies and other learning strategies
- accommodations for students with disabilities with appropriate documentation

Students are urged to take the initiative in seeking out-of-class help during faculty office hours as well as in the Center for Academic Support (<http://catalog.jwu.edu/handbook/studentservices/centerforacademicsupport>).

Students with Disabilities

JWU is dedicated to providing reasonable accommodations to allow students with learning, physical or other disabilities to succeed in their academic pursuits. While maintaining the highest academic integrity, the university strives to balance scholarship with support services that assist students with disabilities with functioning in the university's academic environment.

Because some programs of study at the university have technical standards (p. 221) and requirements, applicants and students with disabilities should contact the Center for Academic Support to discuss the availability of reasonable accommodations or to obtain documentation guidelines, when appropriate.

For further information regarding available reasonable accommodations and the accommodations procedure, visit the Center for Academic Support website (<https://www.jwu.edu/providence/academicsupport>) or call the Center for Academic Support at your campus of choice.

Food Allergy Accommodation for College of Culinary Arts and School of Hospitality Students

The College of Culinary Arts and the School of Hospitality have technical standards (p. 221) that must be met for participation in their academic programs. All College of Culinary Arts programs and some School of Hospitality programs include the requirement that the student, with or without reasonable accommodations, must be able to safely and effectively produce and evaluate the quality of all food and beverage products, and maneuver in professional or commercial kitchens, dining rooms and related facilities.

Applicants with a food allergy who have been accepted for admission to JWU and intend to pursue studies in the College of Culinary Arts or the School of Hospitality are strongly urged to call or visit the Center for Academic Support prior to attending their first class to discuss any reasonable accommodations that might be available during their academic studies. While the university will provide reasonable accommodations in compliance with applicable law, the university cannot guarantee it will be able to meet all requests for accommodations or remove allergens from its curriculum.

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 an individual can seek a timely and fair review of his or her concerns.

Exempt from Johnson & Wales' compliant 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 Student 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 (<http://catalog.jwu.edu/handbook/generalinformationandpolicies/discriminationandharassment>))
5. Actions relating to voluntary medical withdrawal (<http://catalog.jwu.edu/handbook/generalinformationandpolicies/withdrawalfromjwu/medicalwithdrawal>)
6. Actions relating to the review of accommodation decisions (<http://catalog.jwu.edu/handbook/studentservices/centerforacademicsupport/services>)
7. Actions relating to Academic Integrity (<http://catalog.jwu.edu/handbook/academicpolicies/academicmisconduct>)

Complaint and Grievance Process

For the resolution of academic and administrative issues outside of the exempt areas, please follow the following process.

Step One

A student should first address the complaint or grievance orally with the faculty or staff member involved within five days of the incident. 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.

Step Two

If 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 receipt of the faculty or staff member's decision. The department chair or department director will document his or her 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 Three

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 who has 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: If you are enrolled as an online student and you have a complaint or grievance that cannot be resolved through Johnson & Wales University's complaint and grievance process, you may file a complaint with the state in which you reside by referring to the following list of State Agencies (http://www.jwu.edu/uploadedFiles/Documents/Policies_and_Procedures/JWUState-by-StateInformationforOnlineStudentComplaintProcess.pdf).

Notice Regarding Maryland Student Complaint Process (Online Programs Only)

Any person or student who is a Maryland resident claiming damage or loss against Johnson & Wales University may file a complaint with the Maryland Attorney General or the Maryland Higher Education Commission after going through the Johnson & Wales University complaint and grievance process. Such complaints should be directed to

Maryland Attorney General Consumer Protection Division

200 St. Paul Street
Baltimore, MD 21202
(410) 528-8662 or (888) 743-0823 toll free

Notice Regarding Georgia Nonpublic Postsecondary Education Commission (NPEC) Student Complaint Process

Any person or student who is a legal resident of Georgia claiming damage or loss against Johnson & Wales University may file a verified complaint with the executive director of NPEC after going through the university complaints and grievances process. The complaint must contain a detailed description of the claim, including dates, times and full names of all involved. Verification means that the complaint must be signed by the student or person filing the complaint and notarized, and state that the matters set forth in the complaint are true and correct. The complaint shall be investigated by the appropriate Standards Administrator (SA) of NPEC. The SA shall attempt to resolve the complaint between the university and the student. If the complaint cannot be resolved, the SA will issue a decision and inform each party that either has a right to request a hearing in writing before the executive director of NPEC within 10 days of receipt of the SA's decision. The executive director may set a date and time for a hearing which shall be delivered to both parties by certified mail.

The Georgia NPEC may be contacted at Georgia Nonpublic Postsecondary Education Commission, 2082 East Exchange Place, Suite 220, Tucker, GA, 30084, (770) 414-3330 or online (<http://www.gnpec.org>).

Health Services

JWU's health services are available to commuting and resident students.

- Providence (<http://www.jwu.edu/content.aspx?id=288>)
- North Miami (<http://www.jwu.edu/northmiami/health>)
- Denver (<http://www.jwu.edu/content.aspx?id=564>)
- Charlotte (<http://www.jwu.edu/charlotte/health>)

International Student Services

International Student Services is housed in Providence's International Center, which also includes Study Abroad and the BRIDGE Center. There are International Student Services staff on each of the four campuses. The main focus of International Student Services 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 also 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. International

Student Services also offers orientation and cultural programming for international students and the university community. The BRIDGE Center collaborates on much of this programming designed to support students with acclimating to campus life.

- Providence (<http://www.jwu.edu/content.aspx?id=49664>)
- North Miami (<http://www.jwu.edu/northmiami/iss>)
- Denver (<http://www.jwu.edu/denver/iss>)
- Charlotte (<http://www.jwu.edu/charlotte/iss>)

Policies

Please see the appropriate section for the university's Computer and Technology Use and Drug and Alcohol Policies.

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 (<http://catalog.jwu.edu/handbook>).

Computer and Technology Use

All students are required to comply with the university's Computer and Technology Use Policy (<http://it.jwu.edu/Security/policies/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 (<http://catalog.jwu.edu/handbook/studentaffairs/studentcodeofconduct>).

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 (<http://www.copyright.gov>), especially their FAQs (<http://www.copyright.gov/help/faq>). 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 (<http://it.jwu.edu/Security/File-Sharing>) for more information.

Drug and Alcohol Policy

In accordance with the Federal Drug-Free Workplace Act and Drug-Free Schools and Communities Act, Johnson & Wales University prohibits the unlawful manufacture, distribution, dispensation, possession or use of narcotics, drugs, other controlled substances or 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 at events, operations, programs, premises or facilities sanctioned by the university. Unlawful for these purposes means in violation of federal, state or local statutes, regulations or ordinances. 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.

Possession or use of illegal drugs, narcotics or drug paraphernalia is absolutely forbidden. Johnson & Wales may impose sanctions on students

and employees for violations of this policy up to and including dismissal, termination of employment and/or referral for prosecution. Johnson & Wales is not and cannot be considered a protector or sanctuary from the existing laws of the local, state and/or federal government.

University Sanctions

Disciplinary sanctions which may be imposed on a student found to be in violation of the above policy include, but are not limited to, revocation of certain privileges, community service, conduct warning, conduct probation, fine or restitution for loss, suspension or dismissal from the university and/or university housing, and referral to alcohol education classes. The university also reserves the right to notify parents of violations by students who are under the applicable legal drinking age. Please see the Student Code of Conduct (<http://catalog.jwu.edu/handbook/studentaffairs/studentcodeofconduct>) and Sanctions (<http://catalog.jwu.edu/handbook/studentaffairs/studentcodeofconduct/sanctions>) for more information.

Alcohol and Its Effects

Alcohol abuse is defined as any drinking that harms or endangers the drinker or other people. It can be a single episode or a regular pattern. Alcohol consumption causes a number of marked changes in behavior. Thought processes are slowed as alcohol numbs and destroys brain cells.

Symptoms of Drug Abuse

The key is change. It is important to watch for any significant changes in physical appearance, personality, attitude or behavior. Behavior signs include a change in overall personality or attitude with no other identifiable cause; a general lack of motivation, energy or self-esteem; sudden oversensitivity, temper tantrums or resentful behavior, moodiness, irritability or nervousness.

Possible Effects of Drug Abuse

Narcotics (opium, morphine, heroin) may cause euphoria, drowsiness, respiratory distress and nausea. Depressants (barbiturates) may cause slurred speech, disorientation and drunken behavior without the odor of alcohol. Stimulants (cocaine, amphetamines) may cause increased alertness, increased blood pressure and pulse, insomnia and loss of appetite. Hallucinogens (LSD, mescaline) may cause illusions, hallucinations and poor perception of time and distance. Cannabis (marijuana, hashish) may cause euphoria, relaxed inhibitions and disoriented behavior.

JWU's Substance Abuse Prevention Program

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 and Health & Wellness offer AOD prevention through programming efforts with various student groups and Student Affairs departments.
- Counseling and Health & Wellness also collaborate with Student Conduct to provide educational and other resources for students with problematic drinking behavior and drug use.
- A number of programming initiatives take place each year.

State Penalties for Drug and Alcohol Offenses

Johnson & Wales University students are subject to state criminal prosecution and penalties for drug and alcohol offenses, including

- possession or delivery of marijuana, cocaine, heroin, LSD or PCP
- possession of a needle and syringe
- driving under the influence of alcohol and/or drugs
- driving under the influence, death resulting

Criminal penalties for drug and alcohol offenses can include

- mandatory drug or alcohol counseling
- alcohol and/or drug treatment
- driver retraining
- suspension or loss of driver's license
- community service

- fines ranging from \$200 up to \$1,000,000
- imprisonment for various periods of time up to life imprisonment

Residential Life

Generally, all first-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 (<http://www.jwu.edu/content.aspx?id=294>) 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 Involvement & Leadership (p. 243).

Students requesting reasonable accommodations should contact the Center for Academic Support (<http://www.jwu.edu/content.aspx?id=278>).

Off Campus Student Services can assist students with locating off-campus housing as well as connecting with other commuters. You can contact them directly by email (offcampusstudentservices@jwu.edu).

Safety & Security

Campus Safety & Security (<http://www.jwu.edu/providence/safety>) is responsible for the enforcement of university policies, security on campus, and providing a variety of services to the university's students, faculty and staff. Emergency management is a component of the department, which focuses on crisis preparedness through drills and exercises that promote response capabilities in the event of a campus or university emergency. Johnson & Wales University's Providence Campus Safety & Security is accredited by the International Association of Campus Law Enforcement Administrators Commission.

Incidents of an emergency nature should be reported to the local police by dialing 911, followed by contacting Campus Safety & Security at extension 1103 from a university phone or 401-598-1103 from a non-university phone. Campus Safety & Security issues timely alerts to the campus community and, when necessary, has the ability to issue alerts of an imminent threat via an emergency notification mass-messaging system.

Students are encouraged to take full advantage of the services and crime prevention programs listed on our website.

In compliance with the Higher Education Act, Johnson & Wales University publishes an Annual Security Report and an Annual Fire Safety Report. The Annual Security Report discloses information about campus security policies and statistics concerning reported crimes that occurred on campus, on university-controlled property, and on public property immediately adjacent to campus. The Annual Fire Safety Report discloses information about the campus fire safety policies and procedures and fire statistics for each residence hall. A copy of the reports may be obtained from Campus Safety & Security in person or online (<http://www.jwu.edu/providence/safety>).

The university maintains a log of all fires that occur in on-campus housing, and a daily log of all reported crimes.

Student Academic & Financial Services

Student Academic & Financial 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, as well as applying for financial aid, payment plans, invoicing, financial aid award notifications, financial questions and procedures.

Student Involvement & Leadership

Student Involvement & Leadership (<http://www.jwu.edu/content.aspx?id=11598>) strives to cultivate meaningful experiences to inspire personal and professional growth by

- developing and supporting programs that promote collaborative learning, character development and social responsibility
- promoting a student-centered culture that encourages a strong sense of pride and tradition
- empowering students to embrace and strengthen an inclusive community
- fostering collaborative partnerships to support and deliver successful campus events

Student Involvement & Leadership has two locations: in the Citizens Bank Center for Student Involvement (CBCSI) at the Downcity Campus and in the Wildcat Center (WCC) at the Harborside Campus. Some programs and services include

- more than 115 student clubs and organizations
- fraternity and sorority life
- leadership institutes, workshops and retreats
- Fall/Halloween, Winter and Spring/Founders' Week events
- spiritual life
- student government
- free movie series
- campus traditions such as Midnight Madness, One-Ton Sundae, Wildcat Wahoo Carnival and more

Clubs and Organizations

Opportunities abound for students to get involved in clubs and organizations and become engaged in the Wildcat community at JWU's Providence Campus. See Clubs and Organizations (<http://www.jwu.edu/content.aspx?id=11298>) to learn more about the ways to get involved in student organizations and to 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 (<http://www.jwu.edu/content.aspx?id=11084>) for currently available fraternities, sororities and social fellowships.

Leadership Development Programs

Student Involvement & Leadership provides opportunities (<http://www.jwu.edu/content.aspx?id=292>) for students to complement their classroom education with the leadership knowledge, skills and abilities necessary to succeed in a competitive workplace and in life.

Building Relationships, Intercultural Dialogue and Global Engagement (The BRIDGE Center)

The BRIDGE Center is a place for engaging with JWU's diverse community of students, faculty and staff through formal programming and informal opportunities for relationship-building. The BRIDGE Center (<http://www.jwu.edu/BRIDGECenter>) is located across from the main entrance of Xavier Residence Hall.

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