

# All Courses

## **ABRD4080 Study Abroad - Exchange Program**

This course is a variable-credit placeholder course used to maintain JWU student status while participating in a JWU exchange program. Students apply for the exchange program through JWU Study Abroad, which identifies the approved exchange university institutions. Students are enrolled in exchange university courses overseas. The international host university courses are not from the JWU catalog, so students schedule for this course (3–18 credits) to maintain registration at Johnson & Wales.

Offered at Charlotte, Online, Providence  
3-18 Semester Credits

## **ABRD4180 Study Abroad - Affiliate Program**

This course is a variable-credit placeholder course used to maintain JWU student status while participating in a JWU affiliate program. Students apply for the affiliate program through JWU Study Abroad, which identifies the approved affiliate organizations and specific approved programs. Students are enrolled in an affiliate's partner university courses overseas. The international host institution or university courses are not from the JWU catalog, so students schedule for ABRD4180 (3–18 credits) to maintain registration at Johnson & Wales.

Offered at Charlotte, Online, Providence  
3-18 Semester Credits

## **ABRD6080 Sustainability, Community Engagement, and Leadership in Nepal**

This course is designed to provide a focused lens on the leadership of sustainability, community engagement, and global citizenship, with an emphasis on nonprofit management. Students utilize a systems perspective to identify and analyze the complex factors that contribute to the challenges and proposed solutions to community-based approaches for addressing the concerns and roles of diverse stakeholders, specifically in Nepal. As a case study, students learn on-site at a nonprofit organizational community in Nepal, the Kevin Rohan Memorial Eco Foundation (KRMEF), which is an innovative and replicable model for sustainable community and leadership development. KRMEF represents an ecological systems (biodynamic) model for addressing the needs of the people and communities specifically in the Kathmandu Valley region of Nepal, with relevance to shared concerns within a global context. Students are immersed in the complex development of Nepal as a developing and post-disaster country and emerging democracy, through relevant readings, structured site visits and excursions, cultural events, and community interaction. Ongoing, intentional reflection provide opportunities for participants to engage with, synthesize, communicate about and act upon what they learn from their experiences and how that relates to academic, professional, civic and leadership interests.

Prerequisite(s): RSCH5700.

Offered at Online, Providence  
3 Semester Credits

## **ACCT1210 Financial Accounting**

This course introduces students to the basic principles, practices and theories of financial accounting. Topics include the identification, measurement and recording of the financial effects of economic events on enterprises. Emphasis is placed on the understanding and use of financial statements for the corporation, interpretation and use of financial statement information in business decisions, and a study of the system that produces this information. Prerequisite(s): BUS1001 or EQN1001 or EVNT1001 or FSM1001 or FSM2025 or FSM2045 or HOSP1001 or HSC1010 or SEE1001 or SPM1001 (or concurrent), (FIT1040 or FSM2007) (or concurrent).

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT1220 Managerial Accounting**

This course covers how accounting information is used internally for planning, controlling, and decision making. Students learn the nature, application, and behavior of costs for manufacturers, retailers and service providers. The preparation of operating and financial budgets is also covered. Students explore how accounting information is utilized internally to make business decisions relevant to performance evaluation and help align with the organization's goals.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT2035 Accounting Software**

In this interactive course, students gain experience with a commercial accounting software package. The course is conducted in a laboratory setting. The software program is selected based on local market demand and designed for small- to medium-sized businesses. Basic through advanced setup, maintenance and the entire accounting cycle are completed using the software. Students master the reporting function and also work with payroll, sales and pricing transactions by customer and/or job. Advanced topics such as the audit trail, closing the books and reversing journal entries are explored. Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT2150 Accounting for Hospitality Service Organizations**

This course combines the concepts of accounting theory and practices with the specialized requirements of hospitality service organizations. The course introduces the nature and purpose of accounting, the double-entry system, accounting documents, and financial statements of service organizations. Comprehensive coverage is given to revenue and expense accounting, inventory systems, vertical, horizontal and ratio analyses, accounting for current assets and current liabilities with particular focus on unearned revenue, intangible assets, selective topics in property and equipment accounting and sales forecasting.

Prerequisite(s): COHM2010, FIT1040 or FSM2007 (or concurrent).

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT2210 Intermediate Accounting Theory and Practice I**

This course provides an introduction to theories, practice and the conceptual framework in financial accounting. Students expand their knowledge of revenue recognition, cash, and accounts receivable, including account valuation and the impact of related transactions on periodic net income and financial position, inventory, and property, plant and equipment.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT2220 Intermediate Accounting Theory and Practice II**

This course serves as a continuation of Intermediate Accounting Theory and Practice I. Special topics are studied such as accounting for current and non-current liabilities, stockholders' equity, earnings per share, income taxes, leases, investments, accounting for changes and errors, and the statement of cash flows.

Prerequisite(s): ACCT2210.

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT3011 Federal Taxes I**

This course is a study of federal tax laws and treasury regulations and their application to the income of individuals. Practice is given in the preparation of tax returns, supplemental forms and schedules required to be filed by individuals.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence  
3 Semester Credits

## **ACCT3012 Federal Taxes II**

This course involves the study of federal tax laws pertaining to sole proprietorships, advanced personal tax situations, partnerships and corporations.

Prerequisite(s): ACCT3011.

Offered at Charlotte, Providence  
3 Semester Credits

## **ACCT3030 Not-For-Profit and Governmental Accounting**

This course introduces students to the accounting procedures of local and state governments. It also introduces students to the accounting standards of organizations that exist and operate for purposes other than to provide goods and services at a profit. The Single Audit Act (OMB Circular A-133), government auditing standards (the "yellow book") and preparation of federal form 990 are also studied.

Prerequisite(s): ACCT2220.

Offered at Charlotte, Providence  
3 Semester Credits

**ACCT3035 Cost Accounting**

This course focuses on the study of accounting in a manufacturing business and advanced topics. Costing procedures covered include job order costing and overhead application rates, activity-based costing, process costing, joint costs allocations, standard costing and variance analysis.

Prerequisite(s): ACCT1220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3045 Internal Auditing**

The internal audit function of the modern organization is the subject of this course, with a concentration on the nature of operational auditing, its objectives, procedures and standards. Attention is given to the analysis of the various administrative and accounting controls on which management depends for efficiency and effectiveness of operations.

Prerequisite(s): ACCT2220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3050 Advanced Accounting**

This course is designed to provide students with an introduction to international accounting and the knowledge to prepare consolidated financial statements.

Prerequisite(s): ACCT2220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3055 Casino Accounting**

This course focuses on the characteristics of casino accounting by providing a history of the gaming industry. This history describes the evolution of the systems of internal control used in casino operations and illustrates the accounting methods used to comply with state and federal regulations according to generally accepted accounting principles and the AICPA Guide to the Casino and Gaming Industry.

Prerequisite(s): ACCT1210.

Offered at Online, Providence

3 Semester Credits

**ACCT3060 Accounting Information Systems**

This course prepares accounting majors for the technology issues they will face in their careers and effective communications with information technology personnel within organizations. Topics covered include transaction and data processing cycles, systems analysis and design, computer fraud and internal control, and auditing accounting information systems.

Prerequisite(s): ACCT1220 or ACCT4040.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3080 Fraud Examination: Theory and Practice**

This course covers accounting and legal concepts along with the procedures that are necessary to accomplish fraud detection, fraud investigation and fraud prevention duties. Students learn how to analyze allegations of fraud and how to utilize accounting and investigative skills during a fraud investigation. Computerized application development assists in case analysis. Expert witness testimony is also discussed along with a review of the variety of ways to communicate findings.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT3150 Financial Management for Hospitality Service Organizations**

This course presents how accounting information is used by management to analyze and measure the efficiency and profitability of hospitality service organizations. The course emphasizes the managerial uses of budgets and variance analysis, relevant cost analysis, regression analysis, and cost-volume-profit relationships. Net present value, internal rate of return, risk and cost of capital are also discussed.

Prerequisite(s): ACCT1210 or ACCT2150, FIT1040 or FSM2007 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT4040 Auditing**

This course is designed to acquaint the student with methods of verification, analysis and interpretation of generally accepted auditing procedures. The mechanics of planning and implementing an audit and the preparation of reports are studied.

Prerequisite(s): ACCT2220.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ACCT4050 International Accounting**

Accounting for and reporting upon the financial aspects of a multinational corporation are addressed in this course. Topics include foreign currency transactions, foreign currency translation (FASB 52), and accounting policies and practices of countries other than the United States.

Prerequisite(s): ACCT2220.

Offered at Providence

3 Semester Credits

**ACCT4060 Accounting Seminar**

This course is delivered in a seminar format and serves as the capstone course for seniors majoring in Accounting. Using knowledge obtained through previous accounting coursework, students analyze and report on contemporary issues in accounting and auditing. Computer software is used extensively throughout the course.

Prerequisite(s): ACCT2035, ACCT3011, ACCT3035, ACCT4040, senior status.

Offered at Online, Providence

3 Semester Credits

**ACCT4065 Accounting and Financial Analysis Seminar**

This course is delivered in the seminar format and serves as the capstone for seniors pursuing the bachelor of science degree in Corporate Accounting and Financial Analysis. Students use the knowledge obtained through their other required accounting and finance courses to further develop their critical thinking and decision-making skills on accounting and financial analysis-related topics. Students use spreadsheet software to conduct analyses when appropriate.

Prerequisite(s): ACCT3035, ACCT4040, FISV3080, senior status.

Offered at Charlotte

3 Semester Credits

**ACCT6001 Accounting Theory**

This course involves an overview of the theory of accounting with emphasis on recent pronouncements issued by the Financial Accounting Standards Board.

Prerequisite(s): ACCT3050, completion of required accounting prerequisite and foundation courses.

Offered at Online, Providence

3 Semester Credits

**ACCT6003 Advanced Auditing**

This course reviews various relevant auditing topics and enhances students' understanding of compilations, reviews and other attestation services so that they may perform certain audit procedures in a practice case format. This course is highly interactive with students working on various cases in a group format.

Prerequisite(s): ACCT4040, completion of required accounting prerequisite and foundation courses, knowledge of spreadsheet software.

Offered at Online, Providence

3 Semester Credits

**ACCT6020 Individual Taxation**

This course offers students a practical approach to understanding the complexity of the U.S. tax system. Discussion centers on the tax laws as a means of fiscal policy. The course is designed to teach students how to research and understand the initiation of tax law in the legislature, how this is brought through the Treasury Department, and how judicial interpretation affects the understanding of tax issues. Emphasis in the course is on examination of the law of individual taxation from the standpoint of the Internal Revenue Code and pertinent regulations to ultimately foster an understanding of the U.S. tax system and the sources behind the law. Contemporary tax planning techniques are discussed throughout the course.

Offered at Online, Providence

3 Semester Credits

**ACCT6021 Corporate Taxation**

This course offers the student a practical approach to understanding the complexity of the U.S. tax system. Discussion centers on the tax laws as a means of fiscal policy. Students explore how to plan to utilize the tax system for financing company needs. The course is designed to teach students how to research and understand the initiation of tax law, how this is brought through the Treasury Department, and how judicial interpretation affects the understanding of tax issues. Emphasis is placed on effective planning to assist shareholders to achieve desired goals in the formation, operation and liquidation stages of a corporation. Contemporary tax planning techniques are discussed throughout the course.

Prerequisite(s): ACCT3011, completion of required accounting prerequisite and foundation courses.

Offered at Online, Providence

3 Semester Credits

**ADVC1010 Marketing Communications**

This course covers the role of marketing communications in the overall marketing process. Emphasis is placed on the integration of advertising, sales promotion, public relations, and interactive marketing in the creation of effective and seamless communication strategies. Students learn how advertising messages are created using consumer insights and how messages are placed in a variety of media channels. Students also learn how each of the promotional mix elements can be used for specific purposes.

Prerequisite(s): FSM3075 or GDES1020 or HOSP3075 or MCOM 1005 or MCST1005 or MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ADVC1021 Influencer Marketing**

This course introduces students to the emergence of social media influencers in public relations and marketing. In addition to the basic writing requirements and functions of public relations, students learn about the differences between maintaining complete PR lists which include the brand's best media contacts and influencer lists. Particular emphasis is placed on the creation of new media correspondence such as digital press releases and social media influencer campaigns, ad formats and the concept of whitelisting and client correspondence, including agendas and meeting reports.

Prerequisite(s): HOSP3053 or MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ADVC2001 Content Creation and Generative AI**

This course prepares students on how to create content across digital, social and traditional media channels using a wide range of copy and design tools, including generative AI applications. Emphasis is on teaching students to think both strategically and creatively for the wide range of media and communication tools used by today's advertisers, including generative AI tools and applications. The growing digital creator economy is also covered, including how it has changed the advertising and brand marketing industry, job opportunities and entrepreneurship.

Prerequisite(s): ADVC1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ADVC2002 Copywriting and Art Direction**

This course is an introduction to the creative crafts of advertising: copywriting and art direction. The course covers the creative crafts in traditional media such as print, outdoor, broadcast and collateral, and in new media.

Copywriting study includes headline writing, body copy, theme lines and tag lines, as well as script writing. Art direction study includes layout, design and typography. This course aids students in incorporating both copywriting and art direction disciplines into portfolio samples.

Prerequisite(s): ADVC2001 or GDES3050.

Offered at Providence

3 Semester Credits

**ADVC2011 Media Buying and Planning**

This course focuses on the process of media planning and buying with particular emphasis on traditional, digital and social media. Students learn to use media research tools to select appropriate media vehicles that reach specific audiences across various media classes. Topics include media strategy development, agency/media relations, reach and frequency optimization, digital programmatic real-time bidding, and establishing budgets and costs.

Prerequisite(s): ADVC1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ADVC4020 Personal Branding and Portfolio Seminar**

This course is designed to give business students an experiential personal branding and portfolio-building seminar in a simulated work environment, under the supervision of faculty with expertise in personal branding. Students assess their body of work, focusing on refining and evolving selected pieces, to show prospective employers the depth of their knowledge and skills in their respective majors. Students complete the course with a diverse and competitive e-portfolio, with a clear personal brand positioning statement about themselves, for their respective career path in business.

Prerequisite(s): MRKT1001, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ADVC4050 Integrated Search Engine Marketing Campaigns**

This course provides students with the knowledge and skills to develop effective search engine optimization campaigns with particular attention to integrated content marketing strategies. Content marketing includes effective web writing and storytelling. Students explore the various components that go into creating websites resulting in high page rankings, leading to customer engagement and achieving organizational objectives and integration with programmatic and email marketing campaigns. Topics include SEO architecture, key navigation and linking principles and content development and design principles. Dashboards and A-B testing are used to assess ROI and optimize website performance in terms of traffic and conversion. Certifications are available in Google Analytics.

Prerequisite(s): ADVC2011, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ADVC4120 Marketing Communications in an International Context**

This course is a variable credit course within the study abroad program. The students earns a variable 3.0 to 9 credits. The purpose of this course is for students to have an international experience in which they can gain firsthand knowledge of how organizations use positioning and communication strategies to achieve specific marketing objectives. Industry visits, cultural excursions and on-the-ground projects provide students with the knowledge and skills to develop integrated marketing communication plans, including advertising, public relations, and media strategies.

Prerequisite(s): ADVC1010, MRKT1001, acceptance into Study Abroad program.

Offered at Charlotte, Online, Providence

3-9 Semester Credits

**AICV5550 Topics in Artificial Intelligence**

This course introduces topics in the multifaceted field of artificial intelligence. Topics include machine learning, search and planning, and deep learning. Focus areas encompass the design of agents and models using industry-relevant programming languages, scientific packages, and the use of toolkits to make machines behave and think like humans to solve different problems in artificial intelligence.

Prerequisite(s): Student must meet admissions criteria for the Graduate Certificate in Artificial Intelligence Computer Vision or seek Dept. Chair approval.

Offered at Online

3 Semester Credits

**AICV5560 Computer Vision and Image Processing**

This course explores topics in image processing and computer vision. Topics include image formulation and processing, feature detection and matching, machine learning methods, and camera calibration and stereography. Algorithms and theoretical mathematical methods are utilized to acquire, process and analyze images to formulate a reasoning about the visual world.

Prerequisite(s): AICV5550.

Offered at Online

3 Semester Credits

### **AICV5570 Machine Learning**

This course investigates principles and concepts in machine learning focusing on employing machine learning tools in the utilization of computer algorithms as they apply to datasets. Regression and classification methods which include linear regression, nearest neighbor, and support vector machines (SVMs) are presented. Programming applications utilized in the course consist of industry-relevant programming languages and scientific packages.

Prerequisite(s): AICV5550, DATA5150.

Offered at Online

3 Semester Credits

### **ANSC1010 Introduction to Animal Science**

This course explores how animals are utilized in agricultural production, recreation, and scientific research. Emphasis is placed on the variety of domesticated animal species used in modern agriculture, recreation, and scientific research. The role of animals in substantiable agricultural is examined. Students consider how animal welfare and animal rights topics influence the human animal relationship. Career opportunities in the animal science field are explored.

Prerequisite(s): Corequisite: ANSC1015.

Offered at Providence

3 Semester Credits

### **ANSC1015 Introduction to Animal Science Laboratory**

This is a companion course to Introduction to Animal Science. Students expand their knowledge and develop skills in basic care requirements for domesticated and kept animals in agricultural, recreational, and scientific research facilities. The influence of domestication, living arrangements, and management practices on animal behavior is observed with multiple species including beef cattle, dairy cattle, equine, swine, sheep and goats, poultry, and research animal species. Sustainable practices for each facility type are examined. Students partake in hands-on experiences at a variety of selective facilities.

Prerequisite(s): Corequisite: ANSC1010.

Offered at Providence

1 Semester Credit

### **ANSC1050 Domestic Animal Anatomy and Physiology**

This course covers the anatomy and physiology of domestic animals, based on cell, tissue, organ and system body structures. Species covered include companion animals in veterinary medicine and domesticated animals used in modern agriculture, recreation, and scientific research. Emphasis is placed on acquisition of a basic knowledge of anatomical structures, their operation and integration. Veterinary and anatomical nomenclature such as body planes and directional terms are studied. The following tissues and organ systems are covered: epithelium, connective tissue, blood and bone marrow, bone/cartilage, muscle tissue, nervous tissue, digestive system, circulatory system, reproductive, urinary system and respiratory system.

Prerequisite(s): Corequisite: ANSC1055.

Offered at Providence

3 Semester Credits

### **ANSC1055 Domestic Animal Anatomy and Physiology Laboratory**

This course is a laboratory companion course coordinated with Domestic Animal Anatomy and Physiology lecture, which introduces domestic animal anatomy and physiology of the integumentary, skeletal, muscular, nervous, digestive, urinary and reproductive systems. This course explores anatomical structure and physiologic function through the use of anatomical models, dissection of mammalian specimens and examination/interpretation of diagnostic imaging commonly used in veterinary medicine. A regional/functional perspective is combined with a systemic overview of body systems and animal species comparisons. Skills essential to understanding the interrelationships between body systems, from molecular to organ levels, which are critical to the proper function of the dynamic animal body are applied.

Prerequisite(s): Corequisite: ANSC1050.

Offered at Providence

1 Semester Credit

### **ANSC2010 Principles of Animal Nutrition**

This course focuses on nutrition of animal species used in modern agriculture, scientific research and companionship. Comparative digestive anatomy and the classes of nutrients including their digestion, use and sources are discussed. Nutrient requirements and feeding standards are explored. Feed requirements, laws and regulations, and labeling requirements are examined. Emphasis is placed on common feedstuffs and formulating rations and nutritional programs for animal enterprises.

Prerequisite(s): ANSC1050, ANSC1055.

Offered at Providence

3 Semester Credits

### **ANSC2030 Principles of Animal Behavior and Training**

This course focuses on the application of ethology to understand and improve the systematic training of animals. This course examines animal behavior and the evolution of animal behavior. The communication process and techniques involving classical and operant conditioning are analyzed. Understanding aggression in animals and techniques to cope with aggression in animals are explored. Students are additionally introduced to and explore the various practices and techniques associated with animal training, with a particular emphasis placed on the skills necessary to train domestic and wild animals for husbandry, handling, and healthcare needs.

Offered at Providence

3 Semester Credits

### **ANSC3010 Animal Reproduction and Genetics**

This course examines breeding methods and programs for domesticated animals. Reproductive anatomy, gestation and parturition of various animals are discussed. Students learn to develop a basic animal breeding program that considers Mendelian principles and ethical standards. Heritability and genetic diseases and disorders are researched within various animal populations. Advantages and disadvantages of different breeding methods and selection strategies are explored in this course in order for students to be well-versed in the history and current science of animal reproduction.

Offered at Providence

3 Semester Credits

### **ANSC3110 Animal Disease and Preventative Health**

This course develops knowledge of the common diseases and disorders of animal species used in modern agriculture, scientific research and companionship. Fundamental principles in the transmission, pathogenesis, treatment and control of disease are covered. Identification of disease-producing organisms, signs of illness along with knowledge of vaccination and common disease management principles prepare the student to recognize and prevent health problems. Common pharmaceuticals, parasitology and anthelmintic programs are studied.

Prerequisite(s): ANSC1050, ANSC1055.

Offered at Providence

3 Semester Credits

### **ANSC3230 Animal Production and Management Laboratory**

This course emphasizes how management practices influence animal production. Modeling production systems that maximize productivity while minimizing environmental impact is explored. Farm-to-table production channels/opportunities and specialty species for local, regional and national distribution are discussed. Students apply theories to a variety of animals including beef and dairy cattle, swine, sheep, goats and poultry. The course includes field trips where students experience topics covered in the course.

Prerequisite(s): Sophomore status.

Offered at Providence

1 Semester Credit

### **ANSC3350 Perspectives in Animal-Assisted Interventions**

This course introduces students to the concepts and practices of Animal-Assisted Interventions (AAI), including Animal-Assisted Activities, Therapies and Education (AAA, AAT, AAE). Information regarding the history and evolution of the human-animal bond and the benefits of this relationship are explored. The role of pets and other animals in contemporary society and common uses of animals in therapeutic settings, as well as ethical concerns when working with animals are covered. The history of the use of animals for therapeutic purposes is reviewed and current scientific studies of AAI are examined and evaluated. Guest speakers and/or visits to therapeutic/training facilities helps provides students with firsthand experience and insight into the use of animals as therapeutic agents.

Offered at Providence

3 Semester Credits

**ANSC4120 Animal Welfare, Health and Wellness**

This course focuses on the basic principles, history and application of animal welfare science for multiple species. It is an introduction to the moral and ethical theories of animal rights and welfare. Students learn to assess the welfare of animals in a variety of settings using science-based methods and reasoning. Contemporary issues in animal welfare are explored, including understanding economic incentives to improve animal welfare and reduce economic losses in farm animals. Various means of measuring animal welfare are explored including health, productivity behavior and physiological responses.

Offered at Providence  
3 Semester Credits

**ANSC4230 Laboratory Animal Science and Management**

This comprehensive course in laboratory animal science prepares students for employment as animal care and handling technicians or assistants in scientific laboratories or biotech companies under the supervision of a scientist or lab manager. The course is designed to cover the educational materials necessary for the Assistant Laboratory Animal Technician (ALAT) and Laboratory Animal Technician (LAT) certification exams offered by the American Association of Laboratory Animal Science (AALAS), providing students pathways to establish careers in laboratory animal sciences. Topics covered include laboratory animal husbandry, handling, health and welfare practices. Basic laboratory animal facility administration, safety and management concepts, as well as best practices in research methodology are investigated. Career opportunities in laboratory animal care are explored.

Prerequisite(s): ANSC1050, ANSC1055, BIO1022, BIO1026.  
Offered at Providence  
3 Semester Credits

**ANSC4410 Special Topics in Animal Science I**

This course is designed to allow students to pursue advanced work in specialized animal and veterinary science topics; examples of potential topics: Advanced Animal Behavior and Training Techniques, Techniques in Veterinary Practice, and Animal Facilities Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Offered at Providence  
1 Semester Credit

**ANSC4440 Special Topics in Animal Science II**

This course is designed to allow students to pursue advanced work in specialized animal and veterinary science topics; examples of potential topics: Advanced Animal Behavior and Training Techniques, Techniques in Veterinary Practice, and Animal Facilities Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Offered at Providence  
3 Semester Credits

**ANSC4470 Special Topics in Animal Science III**

This course is designed to allow students to pursue advanced work in specialized animal and veterinary science topics; examples of potential topics: Advanced Animal Behavior and Training Techniques, Techniques in Veterinary Practice, and Animal Facilities Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Offered at Providence  
1 Semester Credit

**ANTH1050 Cultural Anthropology**

Anthropology is the study of humankind in all of its diversity. It is divided into four subfields: physical (biological) anthropology, archaeology, linguistic anthropology, and cultural anthropology. This course is focused primarily on cultural anthropology, which pays particular attention to culture and its pivotal influence on the social institutions and life experiences that make us human. Culture refers to the values, traditions and social practices shared by a group of people at a particular time and place. This course uses anthropology with its holistic approach and its emphasis on the ethnographic method (participant observation) to examine the richness and complexity of the human experience.

Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Online, Providence  
3 Semester Credits

**ART2010 Introduction to Film**

This course is designed to give students an in-depth introduction to the motion picture medium. Students gain an understanding of the technical aspects of filmmaking and the ways in which movies express meaning through cinematography, production design, actor performance, editing, sound design, and narrative. The ideology of film and film theory are also explored.

Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ART2030 Music Appreciation**

This survey course of the history of music covers the elements of music, terminology, composition, form and style. It also explores the instruments, voices and ensembles that interact to create the art of music, focusing on periods of music after 1500 — Renaissance, Baroque, Classical, Romantic and Modern. American musical theater, jazz and music of world cultures are also studied. Emphasis is on developing critical listening skills and on developing an appreciation of music of many genres.

Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Charlotte, Providence  
3 Semester Credits

**ART2040 Disease and Illness in Western Art**

This course explores the constantly evolving relationship between art and medicine. In particular, students explore the various ways in which the body, disease and illness have been depicted and understood in Western societies both past and present. Students analyze visual art in historical and cultural context and examine how constructs of religion, gender, sex, race and ethnicity have influenced representations of the body and processes of suffering and healing.

Prerequisite(s): ENG1021 or ENG1027.  
Offered at Providence  
3 Semester Credits

**ART3020 Art History**

This course provides an introduction to the understanding and appreciation of art. Emphasis is placed on the visual arts of painting, sculpture and architecture. The course covers the basic principles of design, form and techniques as well as a general chronological history of art from ancient to contemporary works. Students are encouraged to respond actively to works of art through class discussions, museum visits and class projects.

Prerequisite(s): ENG1021 or ENG1027.  
Offered at Online, Providence  
3 Semester Credits

### **ART3110 World Cinemas**

This course is designed to give students an in-depth introduction to the rich and diverse history of film across the world. Through a series of case studies, students engage deeply with a broad range of international filmmakers, movements and styles, focusing on places such as France, Italy, Japan, China, Brazil, Mexico and more. Students explore the ways in which specific film styles and traditions develop in relation to 1) their own social/cultural contexts, 2) the global dominance of Hollywood Cinema and 3) the “transnational” context of an increasingly globalized film marketplace. In the process, students are not only exposed to a wealth of international films and filmmakers — they move beyond the classic pleasure of simply watching movies and develop the tools necessary to analyze films aesthetically, thematically and technically and to reflect critically upon the social meaning and importance of our global film culture.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ASCI4799 College of Arts & Sciences Internship**

Students enrolled in the College of Arts & Sciences Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with workplace challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.5 and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

### **BEV5100 General Studies in Fermentation Science**

This course explores fermentation in food and beverage systems with emphasis on the functional properties of microorganisms. Students are exposed to a range of topics including the role of microorganisms in generating flavor and aromas of foods, effect of fermentation on food properties, biologically active compounds, safety and process control in the food fermentation industry.

Offered at Providence

3 Semester Credits

### **BEV5200 Advanced Global Wine Studies**

This advanced wine course provides an overview of the world of wine. The vineyard and the winery are the initial focus which develops into sensory evaluation. The main wine producing areas of the world are covered examining the historical, cultural and legislative influences that have influenced the wines style and quality. Business principles are discussed where the main objective is to understand the marketability and profitability of wines and to make strategic business decisions. Depending on the knowledge and previous experience of the student, beverage certifications from internationally recognized organizations will be an option.

Offered at Online, Providence

3 Semester Credits

### **BEV5250 Advanced Global Studies in Beer and Brewing Operations**

The course provides students with a broad understanding of the beer and brewing industry within the context of the global beverage marketplace. Students examine the many issues faced by modern breweries of all sizes and types, including changes in consumer attitudes and behavior. Students build on a basic understanding of beer production styles to examine various supply chain models, changing regulatory climates, environmental and ethical considerations, and the applications of technologies to address industry challenges. Students develop strategies for sustainable growth and logistical process and operational efficiencies.

Offered at Online, Providence

3 Semester Credits

### **BEV5300 Advanced Global Spirits Studies**

This advanced spirit course provides an overview of the world of spirits. Distillation and the production of spirit is the primary focus which will develop into sensory evaluation. All spirit categories are covered from production to service. Business principles are discussed, and major global companies and their strategies are analyzed. Sales and marketing, product development, forecasting trends and brand innovations are a major component of this course. The legal aspects from a global standpoint are examined with the implications of importation and taxes. Depending on the knowledge and previous experience of the student, beverage certifications from internationally recognized organizations will be an option.

Offered at Online, Providence

3 Semester Credits

### **BEV5350 Advanced Beverage Marketing and Retail**

This course provides advanced studies in beverage marketing and retailing terminology and concepts. Students discuss market research, brand creation and establishment, packaging, integrating marketing communications strategies, the three-tier system for distribution, craft beverage tourism, pricing, digital media and legislation around beverage marketing.

Offered at Providence

3 Semester Credits

### **BEV5400 Contemporary Issues in the Global Beverage Industry**

The nature, scope and significance of this course is to review, discuss and analyze current issues in contemporary global beverage management. Students utilize their knowledge and understanding from other courses to address present-day topics that have various impact within the industry. Daily and weekly news sources serve as primary references for the content of this course.

Offered at Online, Providence

3 Semester Credits

### **BIO1011 General Biology - Cellular**

This course provides an introduction to the structure, function and genetics of living organisms. It is designed to be a first course for biology majors and to provide a foundation for more advanced courses in the biological sciences. Topics include the chemistry of biological molecules, cell structure and function, photosynthesis and cellular respiration, the cell cycle, mitosis, meiosis and sexual reproduction, and genetics. This course is taken concurrently with General Biology Laboratory - Cellular.

Prerequisite(s): Corequisite: BIO1016.

Offered at Charlotte, Providence

3 Semester Credits

### **BIO1016 General Biology Laboratory - Cellular**

This is a laboratory companion course coordinated with BIO1011 that introduces students to techniques and equipment used in experimental biology. Students take an inquiry-based, self-guided learning approach to the discovery of cell structure and function, photosynthesis and cellular respiration, the cell cycle, and genetics. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): Corequisite: BIO1011.

Offered at Charlotte, Providence

1 Semester Credit

### **BIO1022 General Biology - Organismal**

This course provides an introduction to evolution, the diversity of life on earth, plant and animal form, function, growth, development and reproduction, ecology and ecosystems. This course is taken concurrently with General Biology Laboratory - Organismal.

Prerequisite(s): Corequisite: BIO1026.

Offered at Charlotte, Providence

3 Semester Credits

**BIO1026 General Biology Laboratory - Organismal**

This is a laboratory companion course coordinated with BIO1022 that introduces students to techniques and equipment used in experimental biology. Students take an inquiry-based, self-guided learning approach to the discovery of the mechanisms of evolution, plant and animal development, and growth, ecology and ecosystems. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): Corequisite: BIO1022.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2001 Genetics**

This course provides students with the knowledge and analytical skills necessary to understand the principles of modern genetics. The nature of genes, genomes and chromosomes; mechanisms of recombination and mutation; Mendelian inheritance patterns; and genetic mechanisms underlying evolution are studied. Genetic studies performed on model organisms (such as bacteria, yeast and mold) are discussed to illustrate and reinforce genetic principles relating to human genetics and diseases.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2003 Human Anatomy and Physiology I**

This course is the first course of a two-semester sequence in which human A&P are examined through a systems approach to the human body, where systems are examined based on the interaction between form and function from the organismal level to the microscopic components of the tissues.

The topics covered in this first course are body plan and organization, homeostasis, chemistry and cellular biology, histology, integumentary system, skeletal system and articulations, muscular system, nervous system, general and special senses, and endocrine system.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1000 and CHM1006 or CHM1022 and CHM1026, Corequisite: BIO2006.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2006 Human Anatomy and Physiology I Laboratory**

In this laboratory course, students examine the macroscopic and microscopic structure of the human body using anatomical models, histology preparations, and dissection. Students collect, analyze and apply data to examine and understand human physiologic processes. Activities include experiments, computer simulations and measurement of physiologic activity in human subjects. Topics covered in this first course of the two course sequence are anatomical terminology, homeostasis and cellular transport mechanisms, histology, skeletal system and articulations, muscular system and movement, nervous system structure and physiology, general and special senses, endocrine system structures and physiology. Equipment commonly found in a medical setting is used. A&P I (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1000 and CHM1006 or CHM1022 and CHM1026, Corequisite: BIO2003.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2013 Human Anatomy and Physiology II**

This course is the second course of a two-semester sequence in which human A&P are examined through a systems approach to the human body, where systems are examined based on the interaction between form and function from the organismal level to the microscopic components of the tissues. The topics covered in this second course are cardiovascular system, lymphatic system and immunity, respiratory system, digestive system, nutrients and metabolism, urinary system, fluid/electrolytes and acid-base balance, and reproductive system.

Prerequisite(s): BIO2003, BIO2006, Corequisite: BIO2016.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2016 Human Anatomy and Physiology II Laboratory**

In this laboratory course, students examine the macroscopic and microscopic structure of the human body using anatomical models, histology preparations, and dissection. Students collect, analyze and apply data to examine and understand human physiologic processes. Activities include experiments, computer simulations and measurement of physiologic activity in human subjects. The topics covered in this second course of the two course sequence are cardiovascular system, respiratory system, digestive system, nutrients and metabolism, urinary system, fluid/electrolytes and acid-base balance, and reproductive system. Equipment commonly found in a medical setting is used. A&P II (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO2003, BIO2006, Corequisite: BIO2013.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2041 Human Physiology**

This course examines the molecular, cellular and tissue-level processes involved in the function of human organ systems. Emphasis is on maintenance of internal homeostasis, organ system integration and components of human disease. Concurrent enrollment in BIO2046 Human Physiology Laboratory is required. Human Physiology (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1022 and CHM1026 or CHM1000 and CHM1006, Corequisite: BIO2046.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2046 Human Physiology Laboratory**

This laboratory course allows students to collect, analyze and apply data to examine and understand human physiologic processes. Activities include experiments, computer simulations and measurement of physiologic activity in human subjects. Equipment commonly found in a medical setting is used. Human Physiology (lecture and laboratory) is designed to meet prerequisites for graduate programs in the health sciences.

Prerequisite(s): BIO1011 and BIO1016, or SCI1015, CHM1022 and CHM1026 or CHM1000 and CHM1006, Corequisite: BIO2041.

Offered at Charlotte, Providence

1 Semester Credit

**BIO2201 General Microbiology**

This course introduces the basic morphological, physiological and genetic aspects of various microbes, and explores the application of this information in medical, agricultural and industrial settings. Key topics include structure/function relationships, factors affecting the growth and control of microorganisms, microbial genetics and evolutionary mechanisms, host-microbe interactions, microbial ecosystems, and applied microbiology. Emphasis is on the relationship between developments in the field of microbiology and various aspects of modern society.

Prerequisite(s): (BIO1011/BIO1016 or SCI1015) and (CHM1000/CHM1006 or CHM1022/CHM1026 or CHM2040), Corequisite: BIO2206.

Offered at Charlotte, Providence

3 Semester Credits

**BIO2206 General Microbiology Laboratory**

This is a laboratory companion course to be taken concurrently with General Microbiology. Students examine the properties of various microbes and factors affecting the growth and control of microbial agents. Throughout the term, students gain experience in light microscopy, pure culture and enrichment techniques, microbial identification, and enumeration. Emphasis is on appropriate and safe use of standard microbiological and molecular lab equipment and methods, as well as the ability to apply the scientific process.

Prerequisite(s): (BIO1011/BIO1016 or SCI1015) and (CHM1000/CHM1006 or CHM1022/CHM1026 or CHM2040), Corequisite: BIO2201.

Offered at Charlotte, Providence

1 Semester Credit

### **BIO2220 Microbiology for Food Professionals**

This course 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 diseases, 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.

Offered at Online

3 Semester Credits

### **BIO2510 Plant Cultivation I: Soil, Soil Substitutes, and Disease Management**

This course provides an overview of the cultivation of select species of plants, from seeds to mature reproductive plants. This course introduces concepts related to the organization of the plant body at the tissue, organ and system level and the related abiotic factors necessary for plant cultivation. Students study the structure and function of the root and shoot systems with an emphasis on environmental, physical and cellular physiological factors required for successful plant cultivation, and disease and pest management. This course is taken concurrently with Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory.

Prerequisite(s): BIO1022 and BIO1026, Co-requisite: BIO2516.

Offered at Providence

3 Semester Credits

### **BIO2516 Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Laboratory**

This laboratory course provides an overview of the cultivation of select species of plants, from seeds to mature reproductive plants. This course introduces concepts related to the organization of the plant body at the tissue, organ and system level and the related abiotic factors necessary for plant cultivation in soil and soil substitute growing medium. Students study the structure and function of the root and shoot systems with an emphasis on environmental, physical and cellular physiological factors required for successful plant cultivation, and disease and pest management. This course is taken concurrently with Plant Cultivation I: Soil, Soil Substitutes, and Disease Management Lecture.

Prerequisite(s): BIO1022 and BIO1026, Co-requisite: BIO2510.

Offered at Providence

1 Semester Credit

### **BIO3040 Molecular Biology**

This course provides students with the opportunity to study current topics related to DNA replication, mutation, recombination and gene expression in prokaryotes, eukaryotes and their viruses. Students analyze primary journal articles that focus on the application of molecular biology in the health sciences, such as nutrigenomics, RNAi and epigenetic regulation. Additionally, students debate the ethics behind cloning and the genetic modification of organisms.

Prerequisite(s): BIO2001.

Offered at Providence

3 Semester Credits

### **BIO3046 Molecular Biology Laboratory**

This course uses select technologies to probe the central dogma of biology: DNA-->RNA-->Protein. Students carry out experiments to extract, purify and modify DNA, RNA and proteins within a model organism. Students use bioinformatic techniques in the design of their experiments. This course helps students to identify appropriate technologies to use when performing molecular biology procedures and prepares students seeking an entry position in the field of biotechnology and/or entry into a graduate research lab.

Prerequisite(s): BIO2001, Corequisite: BIO3040.

Offered at Providence

1 Semester Credit

### **BIO3070 Evolution**

This course provides a background into the mechanisms of evolution including natural and other forms of selection and the role of genetic variation, mutations and genetic drift in these processes. Problems associated with classification and inferring phylogenetic relationships between organisms are also examined. Other topics include a history of life on earth, causes of speciation and extinction, coevolution, human evolution and cultural evolution.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.

Offered at Providence

3 Semester Credits

### **BIO3080 Epigenetics**

“Nature vs. Nurture: Are organisms a product of their DNA or their environment?” This question has plagued scientists and philosophers throughout the ages; in recent years, the field of epigenetics has begun to answer that question at the molecular level. Epigenetics explains the complex interplay between one’s environment and the expression of their genes, affected by chemical variations along chromosomes. Even more influential is the fact that some of these alterations are passed on to subsequent generations, thus beginning to explain the long-term implications of “good” vs. “bad” environment on health outcomes. This course first discusses the organization of chromosomes and how DNA methylation, histone modifications, chromatin remodeling, and the association of non-coding RNA molecules affect gene expression; it also explores how these complex statuses are determined by scientists. Finally, students explore specific epigenetic examples in scientific literature—namely, in relation to nutrition, trauma, cancer, neurological disorders, and development.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.

Offered at Providence

3 Semester Credits

### **BIO3100 Coastal Ecology**

This course examines the characteristics of coastal marine habitats, the flora and fauna of these habitats, and their ecological relationships. Anthropogenic effects on coastal habitats are also examined.

Prerequisite(s): BIO1022 and BIO1026, Corequisite: BIO3106.

Offered at Providence

3 Semester Credits

### **BIO3106 Coastal Ecology Laboratory**

This laboratory companion course coordinates with BIO3100. This course uses an inquiry-based learning approach to reinforce fundamental ecological concepts and introduce students to methods of data collection and analysis commonly used in ecology. Students are required to organize, analyze, interpret and present ecological data collected using various laboratory and field methods. Additionally, this laboratory course provides students with the opportunity to practice laboratory and field safety procedures. Special consideration is given to concepts and methods relevant to research conducted in the coastal environment.

Prerequisite(s): BIO1022 and BIO1026, Corequisite: BIO3100.

Offered at Providence

1 Semester Credit

### **BIO3400 Fundamentals of Pharmacology**

This course integrates knowledge from core science courses including physiology, biochemistry and cellular and molecular biology to ascertain the relationship between biological processes and therapeutic agents. An understanding of pharmacology basics, including pharmacokinetics, pharmacodynamics and a systematic cognizance of pharmacotherapy is emphasized. Course content brings an awareness of the adverse effects of pharmacologic agents on humans, animals, microorganisms and ecosystems.

Prerequisite(s): (SCI1015 or (BIO1011 and BIO1016)) and (SCI2031 or (BIO2003 and BIO2006) or (BIO2041 and BIO2046)), sophomore status.

Offered at Online, Providence

3 Semester Credits



**BIO3510 Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction**

This course builds upon the major concepts introduced in BIO2510: Plant Cultivation I: Soil, Soil Substitutes, and Disease Management. Students learn how to propagate plants from cells, seeds, and mature vegetative cuttings, via hydroponic, aquaponics and tissue culture systems. The application of biotechnology to optimize and create economically valuable plants is discussed. Students are introduced to harvesting of targeted parts of the plant and chemical extraction techniques to isolate bioactive compounds for medicinal purposes. This course is taken concurrently with Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetic Manipulation and Extractions Laboratory.

Prerequisite(s): BIO2510, BIO2516 and (CHM1000/CHM1006 or CHM1022/CHM1026), Corequisite: BIO3516.

Offered at Providence

3 Semester Credits

**BIO3516 Plant Cultivation II: Hydroponics, Aquaponics, Tissue Culture, Genetics and Extraction Laboratory**

This laboratory companion course coordinates with BIO3510. Students have the opportunity to implement the techniques and equipment used to propagate plants from cells, seeds, and mature vegetative cuttings, via hydroponic, aquaponics and tissue culture systems. The application of biotechnology to optimize and create economically valuable plants are discussed and applied. Students learn how to harvest targeted parts of the plant and are introduced to chemical extraction techniques used to isolate bioactive compounds for medicinal purposes.

Prerequisite(s): BIO2510, BIO2516 and (CHM1000/CHM1006 or CHM1022/CHM1026), Corequisite: BIO3510.

Offered at Providence

1 Semester Credit

**BIO3620 Comparative Vertebrate Anatomy**

What features do you share with fish? Birds are dinosaurs? When and how did mammals evolve? In this course, these and other questions are addressed using a multidisciplinary approach incorporating anatomy, physiology, development, ecology and environment to trace the evolution of vertebrate life. Through this approach, students gain a deeper understanding of the basis of human anatomical form and function.

Prerequisite(s): BIO1022, BIO1026, Corequisite: BIO3626.

Offered at Providence

3 Semester Credits

**BIO3626 Comparative Vertebrate Anatomy Laboratory**

Dissection and study of representative species illustrating the evolution of vertebrate design form the foundation of this laboratory experience. Specimens to be studied include amphioxus, lamprey, shark, amphibian (Necturus), and cat or rabbit. Through this approach, students gain a deeper understanding of the basis of mammalian (and human) anatomical form and function.

Prerequisite(s): BIO1022, BIO1026, Corequisite: BIO3620.

Offered at Providence

1 Semester Credit

**BIO4020 Integrative Biology**

Integrative biology is a capstone biology course that applies the fundamental biological concepts of genetics, molecular biology, biochemistry, evolution and ecology to explain biological systems from molecules to communities. This course uses primary literature and bioinformatics to explore microbial interactions, personalized medicine, and biomics. This course is paired with BIO4026 Integrative Biology Laboratory, which allows students to complete a senior research project tied to one of the major topic areas.

Prerequisite(s): BIO3040, Corequisite: BIO4026.

Offered at Providence

3 Semester Credits

**BIO4026 Integrative Biology Laboratory**

This course is a thematic laboratory experience associated with BIO4020 Integrative Biology. This course requires students to investigate a scientific problem through a laboratory, in silico, and/or field research study in one of the following areas: microbial host interactions, personalized medicine, or biomics. Students develop skills essential for becoming an active member of the scientific community and workforce, such as scientific literacy, experimental design, modern research techniques, data collection and analysis, and scientific oral and written communication.

Prerequisite(s): BIO3040, Corequisite: BIO4020.

Offered at Providence

1 Semester Credit

**BIO4030 Advanced Anatomy**

This upper-level anatomy course expands on the content from prerequisite courses through cadaver-based dissection to explore the structure of the human body from functional, developmental and clinical perspectives. All organ systems are studied using prosection and team-based dissection of human cadavers.

Prerequisite(s): BIO2013, BIO2016.

Offered at Providence

3 Semester Credits

**BIO4040 Functional Histology**

This course focuses on the relationship between structure and function of the microscopic aspects of mammalian cells, tissues, and organ systems. It begins with examination of the four basic tissue types. This background is then applied to the histological examination of human organ systems. Functional relationships are emphasized by contrasting normal and pathological specimens.

Prerequisite(s): BIO2013, BIO2016 or BIO2021, BIO2026, Corequisite: BIO4046.

Offered at Providence

3 Semester Credits

**BIO4046 Functional Histology Laboratory**

This course supplements BIO4040, giving students a hands-on experience with microscopic investigation of the histological structure of mammalian tissues with a specific focus on human histology. The laboratory includes experience preparing tissue and making slides of animal tissue.

Prerequisite(s): BIO2013, BIO2016 or BIO2021, BIO2026, Corequisite: BIO4040.

Offered at Providence

1 Semester Credit

**BIO4070 Fundamentals of Immunology**

This is a survey course that introduces students to basic concepts of immunology and fosters an understanding of the immunological processes that underlie human disease pathogenesis.

Prerequisite(s): BIO1011, BIO1016, BIO3010 or CHM3040.

Offered at Charlotte, Providence

3 Semester Credits

**BIO4100 Senior Seminar in Biology**

This is a capstone biology course that allows students to integrate all previous coursework to examine relevant topics in biology. Each term the course focuses on one such topic, and students are charged with finding, analyzing and critically discussing relevant primary journal articles related to that theme. Additionally, students are assigned a research project, for which they must complete a written report and oral presentation.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026, CHM1022, CHM1026, MATH2010, senior status.

Offered at Providence

3 Semester Credits

**BIO4510 Applications of Plants & Fungi**

This course presents an in-depth look at the evolution of plants and fungi and their respective uses in our society. Students immerse themselves in the structure, function and life cycle of representative members of the Kingdom Plantae and Fungi. Students explore how plants and fungi contribute to all aspects of modern society, such as food, medicine, industrial application, clothing, biotechnology, energy, etc.

Prerequisite(s): BIO3510, BIO3516, Corequisite: BIO4516.

Offered at Providence

3 Semester Credits

### **BIO4516 Applications of Plants & Fungi Laboratory**

This laboratory companion course coordinates with BIO4510. This course uses hands-on experiences to reinforce the major concepts associated with the evolution of plants and fungi and their respective uses in our society. Students immerse themselves in the structure, function and life cycle of representative members of the Kingdom Plantae and Fungi. Students explore how plants and fungi contribute to all aspects of modern society, such as food, medicine, industrial application, clothing, biotechnology, energy, etc. Prerequisite(s): BIO3510, BIO3516, Corequisite: BIO4510.

Offered at Providence

1 Semester Credit

### **BME3010 Biomaterials**

This course focuses on the properties, structure, and design of biomaterials, biologic response and integration with them, and clinical considerations to biomaterials in the development of medical devices. Biomaterials is an interdisciplinary field of material science, engineering mechanics, chemistry and biology. Topics include structure and properties of materials, biomaterial manufacturing processes, surface properties of materials, biological interactions with biomaterials, biological integration with biomaterials, wound healing, coatings and adhesives, drug delivery, and regulatory and ethical issues related to biomaterials.

Prerequisite(s): CHM1000, CHM1006, ENGN3075 or ENGN3077 (or concurrent), SCI2031.

Offered at Providence

3 Semester Credits

### **BME3020 Biomechanics**

Biomechanics is an undergraduate course that builds upon and applies the concepts in Physics I, Physics II, Statics, and Dynamics to human function and movement, and an introduction to viscoelasticity of tissues. This course covers the analysis of forces in static and dynamic biological systems, the application of stress and strain analysis to biological tissues, structure function relationships in tissues and organ systems, and instrumentation systems.

Prerequisite(s): ((PHY1011, PHY1016) or (PHY2011, PHY2016)), (PHY1022, PHY1026) or (PHY2022, PHY2026)), ENGN3025 (or concurrent).

Offered at Providence

3 Semester Credits

### **BME4010 Medical Imaging Modalities**

This course presents the fundamentals of multiple modalities of biomedical imaging and biological signal recording and provides students with exposure to the critical topics in mathematics, physics and computer science that constitute the conceptual core of modern medical imaging. An additional goal of the course is to familiarize the students with the standard clinical and research applications of the several imaging modalities available in most large hospitals and research institutions. The course begins with basic concepts in digitizing analog signals (Fourier Transform, bandwidth of signal, sampling theorem) and the physics of interaction between electromagnetic waves, sound waves and biological tissues. Subsequent topics include the presentation of clinical biomedical imaging modalities (e.g., X-ray, CT, ultrasound, MRI, PET); physics of imaging modalities; recordings of biological signals (e.g., EEG, EcoG, ECG); the use of stimulation devices in the body (e.g., pacemakers, TMS, DBS, focused ultrasound); and emerging imaging modalities.

Prerequisite(s): ENGN2101, ENGN2102, ENGN3025, SCI2031, ((PHY1022 and PHY1026) or (PHY2022 and PHY2026)).

Offered at Providence

3 Semester Credits

### **BME4020 Interventional Physiology - Medical Device Innovation**

This course examines the development of medical devices, instrumentation, pharmaceuticals, and emerging technologies. It introduces students to many aspects of biomedical innovation including the research, design constraints, standards and regulations to create a commercial medical product. Cases studies are selected from existing and emerging technologies including heart valves, vascular stents, joint replacement devices and instrumentation, neural stimulation techniques, biometrics, and artificial intelligence/machine learning technologies. Students review the anatomical and physiological context and constraints for the technology or device and compare how the technology/device relates to existing therapies. In addition to the physical and physiological aspects of innovation, students learn about industry and manufacturing regulation and quality, clinical trials, and bioethical aspects of the technology.

Prerequisite(s): BIO1011, BIO1016, SCI2031.

Offered at Providence

3 Semester Credits

### **BME4030 Biomedical Engineering Design**

This capstone course is an intensive, semester-long, project-based course in which students select, plan for and design a novel device or technology or an improvement to an existing technology. Students work independently on a design or technical problem resolution or in project teams to apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities, and refine critical thinking, problem solving skills and project management skills. This course reinforces issues of intellectual property, bioethics and safety. Students submit their work for regular phase reviews on specific time schedules to monitor project progress, troubleshooting, quality and functionality of the prototype.

Prerequisite(s): BME3010, BME3020, BME4020.

Offered at Providence

3 Semester Credits

### **BPA1701 Foundations of Baking and Pastry**

This course provides students with essential baking and pastry skills. Through hands-on learning, students apply skills, food science and theories that lay the foundation for advancing through all levels of the baking and pastry program. Offered at Charlotte, Providence

3 Semester Credits

### **BPA1710 Principles of Cake Production and Design**

This course provides students with the skills and knowledge required for producing a variety of cakes using the appropriate mixing method. Students produce different types of buttercreams and icings to be used as fillings and for decorating. Students assemble, ice, stack, tier and finish using a variety of techniques to include buttercream, rolled fondant and glazing. Students develop skills in making various flowers using a range of mediums such as buttercream, modeling chocolate, marzipan, rolled fondant and gum paste. Students are introduced to principles of cake economics which includes costing, pricing and contracts.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1720 Plated Desserts**

This course covers preparation and presentation of individual hot and cold plated desserts using a variety of plating techniques. Plate design and menu concepts for pre-plated and a la minute service are emphasized. Flavor and textural development are highlighted. Dietary restrictions are introduced and applied to menu creation.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **BPA1730 Artisan Bread & Viennoiserie I**

This course provides an introduction to the skills, techniques and equipment of artisan bread and viennoiserie production through a variety of lean, enriched and laminated yeast dough products. Properties and characteristics of ingredients, the baker's percentage system, mixing techniques, controlled fermentation, and baking methodology are studied. Products include commercially yeasted breads, laminated dough and quick breads. Emphasis is placed on hand shaping skills and creating an efficient production schedule.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

**BPA1740 Artisan Bread & Viennoiserie II**

Students in this course focus on natural fermentation and commercial yeast applications in lean and enriched doughs. Skills learned in Artisan Breads & Viennoiserie I are reinforced. Innovative and decorative shaping methods are introduced. Properties and characteristics of alternative, ancient and gluten free ingredients are explored. Emphasis is placed on the baker's percentage system, mixing methods, fermentation control, baking methodology and science.

Prerequisite(s): BPA1701 (or concurrent), BPA1730 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

**BPA1750 Chocolate, Confections & Mignardise**

This course provides students with an overview of the cultivation of cacao and the stages involved with the production of chocolate couvertures. Students develop skills and demonstrate an understanding of various chocolate tempering methods. Skills are reinforced through the production of various chocolates and mignardise such as hand dipped pralines, molded bonbons, truffles and petits fours sec utilizing various chocolates, fillings and finishing techniques. Students produce a variety of sugar confections and utilize decorative sugar mediums such as isomalt and pastillage.

Prerequisite(s): BPA1701 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

**BPA2710 Advanced Pastry Applications**

This course allows students to build upon previous coursework to design and construct a variety of petits fours, petits gâteaux and entremets. Students also explore the production of modern pâte à choux and puff pastry items. Emphasis is placed on the finishing and display techniques used for various market segments.

Prerequisite(s): Completion of all freshman baking labs.

Offered at Charlotte, Providence

3 Semester Credits

**BPA2720 Artisan Cafe**

This course introduces and incorporates foundational culinary skills as well as retail and beverage counter service within the context of a pop-up cafe. Station organization, culinary skills and techniques, and café management are emphasized with the integration of current industry trends. Students produce culinary menu items and utilize a variety of baked goods in their daily production. Hot and cold beverage service are introduced and incorporated.

Prerequisite(s): Completion of all freshman baking labs.

Offered at Charlotte, Providence

3 Semester Credits

**BPA3085 French Baking & Pastry Arts- Ecole Nationale Supérieure de Pâtisserie/ENSP**

Delivered entirely abroad by partner organization faculty, this course is designed specifically for students who desire to increase and enhance their skills in French pastry and baking. Theory, demonstration and practice are used to develop skills and knowledge in the French approach to tarts and entremets, chocolate and sugar art, petits fours, plated desserts, sorbets, ice cream, bread and Viennese pastry. The course also includes an introduction to modern technologies and trends as well as food photography, business and entrepreneurship and designing healthy pastries. Students master the techniques of baking and presenting/displaying products in an attractive manner in compliance with the rules of hygiene, traceability, health and safety as they apply to the kitchen. Small group settings provide personalized, interactive and efficient training.

Prerequisite(s): Completion of all Baking Pastry Arts freshman and sophomore labs, FSM1165.

Offered at Charlotte, Providence

12 Semester Credits

**BPA3710 Modern Cake & Floral Design**

This course provides students with advanced knowledge and skills of designing contemporary tiered and themed cakes using modern production and finishing techniques. Emphasis is on cake and floral design while developing skills in piping, cake construction, gum paste flowers, and rolled fondant. Students research, design and develop a theme-specific storyboard as inspiration for class production. Students learn the importance of time management through the completion of multiple course projects.

Prerequisite(s): Completion of all freshman sophomore baking pastry labs, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BPA3720 Advanced Naturally Leavened Breads**

This course provides students with an understanding of a variety of grains and their effects on fermentation. Each student develops a starter culture and begins a baking journey from seed to loaf. The close-knit partnership between farmer/miller/baker is explored. Each team of students develops a naturally leavened bread and a grain-based snack item. Students study the properties and characteristics of grains, mixing methods, fermentation styles, and baking methodology.

Prerequisite(s): Completion of all freshman sophomore baking pastry labs, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BPA3730 Advanced Viennoiserie and Decorative Breads**

This course provides students with advanced knowledge and skills in designing contemporary and advanced Viennoiserie items. Students use market research to design their own breakfast pastry and display it on a showpiece made from dead or yeasted decorative dough. Students explore sweet and savory applications affiliated with both laminated and enriched doughs. Emphasis is placed on different lamination techniques and the introduction of alternate grains and their effect on enriched doughs. Students investigate chemically leavened breakfast pastries and transform them into modern Gateaux des Voyages.

Prerequisite(s): Completion of all freshman sophomore baking pastry labs, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BPA3740 Contemporary Plated Desserts**

This course focuses on the preparation and presentation of contemporary plated desserts. Students use foundational pastry methods, modern techniques and sensory analysis to create desserts with a well-rounded flavor profile and appealing plate design. Emphasis is placed on the skills needed to develop and manage a dessert menu. Students apply fundamental and innovative pastry techniques to create and execute a contemporary multi-course dessert tasting.

Prerequisite(s): Completion of all freshman sophomore baking pastry labs, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BPA3750 Modern Chocolatier & Artisan Bean to Bar**

This course covers advanced chocolate and confection manufacturing and the process of bean-to-bar production. Students study large and small-scale production of chocolate items for retail environments, restaurants, and other food service outlets. This course works with water activity (AW) as it applies to determining shelf life in chocolate-based confections. The course covers ingredient/allergen labeling, food-safe packaging, sustainability, and compliance with local, state and federal retail food laws.

Prerequisite(s): Completion of all freshman sophomore culinary or baking pastry labs, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BPA4710 Advanced Petits Gateaux & Modern Pastry Buffet**

This course allows students to explore their creativity to produce and execute a modern dessert display. Students learn and practice modern pastry techniques under the guidance of their chef instructor. This course focuses on the production and finishing of advanced petits gâteaux and high-end individual pastries with an emphasis on flavor, texture and decorative components. Students collaborate on the daily production and presentation of modern pastries for the first half of the class. Students use the remaining half of the class to design and execute modern pastries for their buffet.

Prerequisite(s): Completion of all freshman sophomore baking and pastry labs, BPA3740, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BPA4750 Advanced Chocolate & Sugar Artistry**

This course covers advanced aspects of planning, artistic design, and preparation of showpieces. Concepts include a variety of advanced sugar, pastillage and chocolate techniques. Students apply basic principles of design and color theory while expressing their creativity through sculpture. Students also learn the skills of chocolate and sugar mold-making. Students identify the appropriate use of showpieces in the pastry industry.

Prerequisite(s): Completion of all freshman sophomore culinary or baking pastry labs, junior status, or department chair approval.

Offered at Providence

3 Semester Credits

**BUS1001 Introduction to Business and Management**

This course provides students with a fundamental understanding of the global business environment. Students examine the major disciplines within business using business terminology and current business practices. Career exploration and development of professional interests and competencies are integral to this course.

Offered at Charlotte, Online, Providence

3 Semester Credits

**BUS3010 Business Analytics**

This course explores the dynamic field of business analytics and how big data informs decisions made in accounting, advertising, finance, management, marketing and retail contexts. Students conduct analysis using multiple business intelligence platforms and tools. They learn to organize, analyze and create projections utilizing data sets. Students interpret, model and present data, as well as make data-driven decisions. This course uses a range of methods to demonstrate how analytical skills can be used in a variety of business circumstances to enable competitive advantage.

Prerequisite(s): (FISV2000 and MATH2001) or (BUS1001 and MATH2002), junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**BUS4030 Global Strategy Capstone**

This capstone course requires students to synthesize knowledge gained from previous coursework to make decisions in a simulated business environment. Understanding the key strategic opportunities and challenges associated with global business activity and developing skills in this area have become essential requirements for success. Students work in teams to compete against classmates as well as teams from other universities around the world. Teams are challenged to apply lessons in developing and executing global corporate strategy to their own simulated company. This course is designed to provide students with the knowledge, skills and business judgment to create sustainable competitive advantage within a global context.

Prerequisite(s): BUS3010, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**BUS4799 College of Business Internship**

Students enrolled in the College of Business Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success within their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0, and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

**BUS5000 Business Fundamentals**

This course is one of two prerequisite foundation courses for students entering the MBA program without an undergraduate degree in a business discipline. The course provides a clear understanding of the theories and practices in the management disciplines that lead to the effective administration of a business enterprise, including leadership, ethics, management, operations, marketing, and human resources. Employing examples from the current business environment, the course addresses a broad range of managerial concepts.

Offered at Online, Providence

3 Semester Credits

**BUS5010 Quantitative Methods in Business**

This course is one of two prerequisite foundation courses for students entering graduate-level business programs without an undergraduate degree in a business discipline. The course provides an understanding of the quantitative practices that are deployed across a wide range of business activities. The basic principles of accounting, finance and microeconomics are supplemented with an explanation of statistical methods and data analytics. The primary objective of the course is to prepare graduate students for advanced coverage of quantitative topics in graduate business programs.

Offered at Online, Providence

3 Semester Credits

**BUS6799 College of Business Graduate Internship**

This course engages students in experiential learning to advance and refine their abilities as management professionals. Throughout the internship experience, students integrate graduate studies with previously acquired field/industry specific skills to support the operational/strategic initiatives of the host site and gain important insights into the leadership of successful ventures.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 3.5, and 2) have completed 27 hours of course work, and 3) approval of department chair.

Offered at Online, Providence

3 Semester Credits

**CAR0010 Career Management**

This career management course focuses on preparing and empowering students to make effective career choices, demonstrate professionalism, identify and pursue internships, and begin to navigate their career direction. Students learn a variety of methods to personally brand themselves, enhance and customize their job search materials, and market themselves effectively to employers. Various job search, networking and interview techniques are reinforced. Other topics include personal financial management and exploring graduate-level programs.

Prerequisite(s): 60 semester credits.

Offered at Charlotte, Providence

1 Semester Credit

### **CENG4030 Digital Integrated Circuit Design**

This design course covers CMOS technology and hierarchical VLSI design methodology with a system perspective. Topics include VLSI processing technology, physical design, fabrication and layout process, floor planning, analog and digital simulation of integrated circuits, combination and sequential digital circuit, existing digital system integration, and digital to analog interface circuit. This is a project-based course that requires intensive design and simulation work on a computer.

Prerequisite(s): ENGN3150, ENGN3151, ENGN3180.

Offered at Providence

3 Semester Credits

### **CFIT2699 College of Food Innovation & Technology Intermediate Internship**

Students enrolled in the College of Food Innovation & Technology Intermediate Internship engage in experiential learning to integrate knowledge and skills learned in the classroom within a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen professional field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations within the food industry. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 2) have completed all freshman lab courses, and 3) successful completion of FSM1165.

Offered at Charlotte, Providence

3-12 Semester Credits

### **CFIT2799 College of Food Innovation & Technology Intermediate Internship**

Students enrolled in the College of Food Innovation & Technology Intermediate Internship engage in experiential learning to integrate knowledge and skills learned in the classroom within a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen professional field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations within the food industry. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 2) have completed all freshman lab courses, and 3) successful completion of FSM1165 or FSM1185.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

### **CFIT4799 College of Food Innovation & Technology Advanced Internship**

Students enrolled in the College of Food Innovation & Technology Advanced Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to leverage connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the food industry. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success within their chosen profession.

Prerequisite(s): To be eligible for this internship, students must have completed FSM1165, maintained a cumulative GPA of 2.0 and have completed 90 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

### **CHM1000 Foundations in Chemistry**

This is a comprehensive course for those fields requiring knowledge of general chemical concepts. Emphasis is on applied areas of interest where aspects of atomic and molecular structure and function are particularly important. Topics covered include stoichiometry of chemical reactions, energy interrelationships between reactants, atomic structure and chemical bonding.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1006.

Offered at Providence

3 Semester Credits

### **CHM1006 Foundations in Chemistry Laboratory**

This is a laboratory companion course coordinated with CHM1000. Emphasis is on inquiry-based exercises that illustrate and demonstrate important skills and principles of theoretical chemistry and applied chemistry. Topics covered include stoichiometry of chemical reactions, energy interrelationships between reactants, atomic and molecular structure, and chemical bonding.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1000.

Offered at Providence

1 Semester Credit

### **CHM1011 General Chemistry I**

This is the first course in general chemistry. Students take an active-learning approach to the discovery of scientific measurements, atomic structure, stoichiometry, thermochemistry, electron configurations, bonding models for chemical compounds, VSEPR (Valence Shell Electron Pair Repulsion) and gases.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1016.

Offered at Charlotte, Providence

3 Semester Credits

### **CHM1016 General Chemistry I Laboratory**

General Chemistry I is a laboratory companion course coordinated with CHM1011 which introduces students to techniques and equipment used in experimental chemistry. Students take a guided inquiry-based approach to the discovery of the structure of atoms, scientific measurements, proper calculations of chemical reactions, thermochemistry, spectroscopy and the states of matter. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): MATH1020 or math placement, Corequisite: CHM1011.

Offered at Charlotte, Providence

1 Semester Credit

### **CHM1022 General Chemistry II**

This course is the second course in general chemistry. Students take an integrated learning approach to the discovery of intermolecular forces, properties of solutions, kinetics, equilibria, acid/base chemistry and electrochemistry.

Prerequisite(s): CHM1011, CHM1016, MATH1030, Corequisite: CHM1026.

Offered at Charlotte, Providence

3 Semester Credits

### **CHM1026 General Chemistry II Laboratory**

This is a laboratory companion course coordinated with CHM1022 that introduces students to techniques and equipment used in experimental chemistry. Students take an inquiry-based, self-guided learning approach to the discovery of acid-base reactions, calculations of chemical equilibrium, investigations into the structure of solids and liquids, behavior of gases under various conditions, and calculations of solution concentrations. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM1011, CHM1016, MATH1030, Co-requisite: CHM1022.

Offered at Charlotte, Providence

1 Semester Credit

### **CHM2011 Organic Chemistry I**

This is the first course in the sequence of organic chemistry. In this course, students investigate carbon and its role in the formation of biomolecules. Emphasis is given to the classification of carbon-based reactions, naming of carbon-based compounds (alkanes, alkenes and alkynes), stereochemistry and spectroscopy.

Prerequisite(s): CHM1022, CHM1026, Corequisite: CHM2016.

Offered at Providence

3 Semester Credits

**CHM2016 Organic Chemistry I Laboratory**

This is a laboratory companion course coordinated with CHM2011 Organic Chemistry I that introduces students to techniques and equipment used in experimental organic chemistry. Students use an inquiry-based approach to the discovery of the synthesis of organic compounds, compound characterization using analytical techniques, and the development and evaluation of separation protocols. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM1022, CHM1026, Corequisite: CHM2011.

Offered at Providence

1 Semester Credit

**CHM2022 Organic Chemistry II**

This course is a continuation of CHM2011 Organic Chemistry I. Emphasis is given to substitution and elimination reactions, alcohols, phenols, ethers and their sulfide derivatives, aldehydes, ketones, carboxylic acids and their derivatives, aromatic systems, amines, amides, construction of carbohydrates, amino acids, and lipids.

Prerequisite(s): CHM2011, CHM2016, Corequisite: CHM2026.

Offered at Providence

3 Semester Credits

**CHM2026 Organic Chemistry II Laboratory**

This is a laboratory companion course coordinated with CHM2022 Organic Chemistry II, which introduces students to techniques and equipment used in experimental organic chemistry. Students take an inquiry-based approach to the discovery of reactions that produce alcohols, aldehydes, carboxylic acids, ethers, esters, amines, amides, phenols, and aromatic compounds. Emphasis is given to proper synthesis and analytical evaluation of chemical reaction products. Students also identify, when appropriate, the application of Green Chemistry procedures. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): CHM2011, CHM2016, Corequisite: CHM2022.

Offered at Providence

1 Semester Credit

**CHM2040 Introduction to General and Organic Chemistry**

This course examines the chemistry of carbon-containing molecules relevant to biological systems such as the human body, beginning with basic atomic structure, chemical bonding and reactions, and the chemistry of acids, bases, buffers and salts. Organic chemistry of all functional groups are examined, including saturated/unsaturated hydrocarbons, aldehydes and ketones, carboxylic acids, amines and alcohols. Emphasis is given to those compounds of biochemical importance.

Offered at Charlotte, Providence

3 Semester Credits

**CHM2050 Introduction to Organic Chemistry**

This course is a one-term overview of organic chemistry intended for students in the health science fields. Nomenclature, properties and reactivity are covered for major organic functional groups, including alkanes, alkenes, alkynes, aromatics, aldehydes and ketones, carboxylic acids, amines, amides, alcohols, thiols, and sulfides. Emphasis is on those compounds, reactions and properties of biochemical importance.

Prerequisite(s): CHM1000, CHM1006 or CHM1022, CHM1026.

Offered at Charlotte, Providence

3 Semester Credits

**CHM2056 Introduction to Organic Chemistry Laboratory**

This is a laboratory companion course coordinated with Introduction to Organic Chemistry. Emphasis is on inquiry-based exercises that illustrate and demonstrate important skills and principles of organic chemistry. Topics include solubility properties, basic organic chemistry laboratory techniques (including extraction and chromatography), and organic reactions with particular focus on those of interest to students in the nutrition and health science fields. Throughout this course, an evidence-based approach to exploration of organic laboratory experiments that are of interest to students in the nutrition and health science fields is emphasized.

Prerequisite(s): CHM1000, CHM1006, or CHM1022, CHM1026, Corequisite: CHM2050.

Offered at Charlotte, Providence

1 Semester Credit

**CHM3040 Biochemistry**

Biochemistry applies the knowledge gained in general and organic chemistry to biological systems with emphasis on applications of chemistry to animal biology, structure of biological molecules, and metabolism. Students gain an understanding of enzymatic kinetics, acid/base chemistry, enzymatic kinetics, metabolic pathways, applications to research and disease pathways, energy production, and metabolic regulatory mechanism in eukaryotes and prokaryotes.

Prerequisite(s): (CHM2040 or CHM2050 or CHM2011, CHM2016) and (BIO1011, BIO1016 or SCI1015).

Offered at Charlotte, Providence

3 Semester Credits

**CHM3046 Biochemistry Laboratory**

This is a laboratory companion course coordinated with CHM3040. This course applies the basic concepts of biological chemistry to the laboratory setting. Emphasis is on inquiry-based experiments that ask students to explore fundamental concepts and experiments in biochemistry. Topics include experiments that focus on critical biochemical topics including biological buffer systems, amino acid/protein structure and properties, as well as the content of food and other biochemical topics of interest. Throughout this course, an evidence-based approach to exploration of organic laboratory experiments that are of interest to students in the nutrition and health science fields is emphasized.

Prerequisite(s): CHM2040 or CHM2050 or SCI2045 or CHM2011/CHM2016, SCI1015 or BIO1011/BIO1016, Corequisite: CHM3040.

Offered at Charlotte, Providence

1 Semester Credit

**CHM3200 Analytical Chemistry**

Analytical chemistry is a measurement science that is used in chemistry as well as throughout all fields of science and medicine. This course introduces students to the theory and applications of quantitative analytical chemistry.

Topics covered include statistical data analysis; equilibrium constants expressions; acid-base reactions; volumetric analysis; and fundamentals of spectroscopy, electrochemistry, and of separations science. Laboratory experiments include learning about analytical process, calibration of glassware and equipment, wet chemical analysis, electrochemistry, spectroscopy and chromatography.

Prerequisite(s): CHM1022, CHM1026.

Offered at Providence

3 Semester Credits

**CHW4799 College of Health & Wellness Internship**

Students enrolled in the College of Health & Wellness Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the fields of health and wellness. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.75, and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

**CJS1002 Introduction to Criminal Justice**

This course presents an overview and analysis of the American criminal justice system. The concept of crime and the roles of police, courts, defense attorneys, prosecuting attorneys and corrections are considered. In addition, an overview of the causes of crime, the problems associated with the measurement of crime, and the concept of "justice" in the American criminal system is examined.

Offered at Online, Providence

3 Semester Credits

**CJS1070 Criminal Courts**

This course is an examination of the problems, policies and practices of the criminal court system with emphasis placed on the structure and organization of the court system. The role of the courts, from arrest to conviction and appeal, is explored.

Offered at Online, Providence

3 Semester Credits

**CJS1090 Law Enforcement**

This course is a survey of law enforcement agencies, their role, history and development within the field of criminal justice. Emphasis is placed on police administration, organization, management culture, relations within the community and technology.

Offered at Providence

3 Semester Credits

**CJS2040 Corrections**

This course is an introduction to corrections. It presents an historical look at punishment through the ages. Justification for punishment is explored including: retribution, deterrence, incapacitation, and rehabilitation.

Various dispositions of prisoners are presented from capital punishment, transportation, galley slavery, and the eventual development of the prison. The evolution of prisons and acceptable conditions are discussed along with the advent of the prisoner rights movement.

Offered at Providence

3 Semester Credits

**CJS2050 Criminology**

This course is an overview of the study of criminal behavior. Major theories of the causes of crime are explored through an interdisciplinary approach emphasizing the sociological, psychological, scientific, medical, biological, psychiatric, psychoanalytic, economic, political, cultural, and other social and behavioral approaches.

Offered at Online, Providence

3 Semester Credits

**CJS2085 Juvenile Justice**

This course presents an analysis of the historical development of the juvenile justice system in the United States. The student is introduced to the changing view of juveniles from early America, when children were treated as little adults, through the nineteenth and twentieth centuries where they came to be considered as children and adolescents that had to be protected from abusive families and their environment. Socializing agents such as the family, schools and peers are studied as to their influence on the development of delinquency. Youth are studied as victims of crime, as perpetrators of crime, and their likelihood to become involved with gangs. Additionally, law enforcement, the courts and corrections are studied to show their impact on delinquency.

Prerequisite(s): Sophomore status.

Offered at Online, Providence

3 Semester Credits

**CJS2150 Criminal Justice Ethics**

At the core of every aspect of the field of criminal justice is an ethical dilemma involving human behavior and individual decision-making. As such, this course will provide an in-depth examination of the three major schools of ethical thought (virtue, formalism, and utilitarianism) in order to illustrate how individual ethics directly influences decision-making, and to help students develop comprehensive ethical reasoning skills. Through the examination of hypothetical case studies, actual criminal justice events, and extensive debate, this course will explore the three major areas of criminal justice to include law enforcement, courts, and corrections, in order to provide students with the opportunity to observe and evaluate the direct connection between ethics and specific aspects of the criminal justice system.

Offered at Providence

3 Semester Credits

**CJS3033 Community Policing**

This course is a historical examination of the strategies utilized by the police in America. It examines Sir Robert Peel and the development of the first paid police department in London in 1829. The course presents the evolution of policing as emigration in America increased and its population became more diversified. Students will come to understand how policing is a partnership with the community and how the roles of all must be considered in the development of a policing program.

Prerequisite(s): CJS1090.

Offered at Providence

3 Semester Credits

**CJS3075 Criminal Investigation**

In this course, the student is exposed to the fundamentals of criminal investigation. Emphasis is placed on the collection and evaluation of crime scene evidence related to specific crimes (i.e., homicide, arson, burglary, etc). Since criminal investigation must be conducted within the framework of our constitutional system of government, opinions of the United States Supreme Court that affect the collection of evidence are emphasized.

Prerequisite(s): CJS1090.

Offered at Online, Providence

3 Semester Credits

**CJS3210 Victimology**

This course is designed to provide an historical perspective on victimology, as well as an overview of the causes and physical and psychological consequences of victimization. Students gain an understanding of why people are victimized, as well as how the criminal justice system and various social service agencies collaborate in order to address the needs of the victim. A focus on various causes of and responses to victimization provides students with the fundamental knowledge needed to apply key concepts to actual situations. This course emphasizes the impact of trauma on an individual, opportunities for prevention, as well as issues of recurring victimization and the victim/offender overlap both domestically as well as from a global perspective.

Prerequisite(s): CJS2050.

Offered at Providence

3 Semester Credits

**CJS3450 Comparative Criminal Justice**

This course comparatively examines major criminal justice institutions within the United States and around the world, and also provides an in-depth examination of existing international criminal justice systems and the shared critical issues existing both domestically and internationally. The course offers a comprehensive examination of a variety of transnational crime-related issues, and explains the systems currently in place globally for addressing issues involving crime prevention, law enforcement, adjudication and corrections. Students identify and analyze the common and differing procedural aspects involved in investigating, prosecuting, defending and adjudicating criminal cases in international jurisdictions, as well as the differing global definitions of appropriate punishment including concepts of financial, corporal and capital punishment.

Offered at Providence

3 Semester Credits

**CJS3820 Cyber Crimes**

In this course, students explore the rise and evolution of crimes involving computers and the Internet that are fast becoming the most prolific area of criminal activity in the 21st century. This course distinguishes between crimes in cyberspace and cyber-terrorism as a form of warfare upon the global community. It defines cyber crimes (including type, nature, and origin) and the expanding criminalization of computer and Internet conduct involving concepts of privacy violation, information protection and unauthorized access of digital data. An analysis of existing and new domestic and international law enforcement innovations that prohibit digital crimes is also covered.

Prerequisite(s): LAW3025.

Offered at Online, Providence

3 Semester Credits

**CJS3850 Homeland Security**

This course provides an in-depth foundation for understanding the wide range of agencies and activities involved in the field of homeland security, and the varying roles that individual terrorists, terrorist groups and state sponsors of terrorism play in the formulation of the domestic and international homeland security policy of the United States. Students are provided with a comprehensive overview of the legal aspects of homeland security, and the role that intelligence and counterintelligence play in the formulation of the domestic and international homeland security policy. Additional topics include the proliferation of weapons of mass destruction, border security and immigration, and the financing of terrorist activity via a wide range of highly organized criminal activities occurring both domestically and internationally.

Offered at Online, Providence

3 Semester Credits

**CJS4020 Offender Assessment and Case Management**

This course provides students with both theoretical knowledge and practical application of the various evidence-based risk assessment tools, classification of offenders, writing court reports, utilizing motivational interviewing skills, and conducting interviews with offenders receiving some form of correctional treatment. It also provides students with knowledge about mental health and substance use issues affecting correctional populations.

Prerequisite(s): CJS2040, junior status.

Offered at Providence

3 Semester Credits

**CJS4045 Criminalistics with Lab**

This course focuses on practical applications of forensic science in the field of law enforcement. Topics covered include the various forms of evidence and methods used to identify, collect and preserve physical evidence. Crime scene preservation techniques as well as methods of crime laboratory instrumentation are covered. Some focus upon legal concerns and discussion of the use of physical evidence in famous cases is also covered.

Offered at Providence

3 Semester Credits

**CJS4050 Advanced Topics in Criminal Justice**

This course is a forum for special issues and emerging areas of criminal justice. It is taught by faculty members and visiting experts in the areas of focus.

Topics covered (which may change each offering) may include, but are not limited to: Public & Private Security, Victimology, Child Abuse & Neglect, and Organized Crime.

Prerequisite(s): CJS2050, junior status.

Offered at Providence

3 Semester Credits

**CJS4065 Advanced Topics in Criminalistics with Lab**

This course provides students with specific topics in the advanced study of forensic science as part of a two-term format. Emphasis is on the application of advanced and specialized areas of forensic science encountered during criminal investigations. Topics include advanced topics of forensic pathology, pattern and impression evidence, blood spatter analysis, photography, fingerprint examination, and forensic applications of the social science and legal/ethical issues in forensic science.

Prerequisite(s): CJS4045.

Offered at Providence

3 Semester Credits

**CJS4070 Serial Killers**

This course addresses historical perspective and the social construction of serial murder, discerning fact from fiction, as well as examines the many myths surrounding serial murder. This course challenges students to think more analytically about the nature of killing and the cultural development of monsters, demons, and evil as a means to assess biogenic and psychopathological maladaptive behaviors in response to various mental disorders. This course examines various categories of serial killers, such as healthcare workers, sexual predators, male and female murderers, team killers, and their victims. This course provides students the opportunity to develop an understanding of serial murder from a domestic/global perspective and the methods and manner in which law enforcement profile and apprehend suspects.

Prerequisite(s): Senior status.

Offered at Providence

3 Semester Credits

**CJS4080 Criminal Justice Senior Seminar**

This course presents an overview and analysis of the American criminal justice system in a capstone seminar format. The course examines criminal and constitutional law, criminology, law enforcement and investigation, courts, corrections and juvenile justice through the use of critical thinking, research, writing and discussion.

Prerequisite(s): RSCH2050, senior status.

Offered at Providence

3 Semester Credits

**CJS5610 Advanced Administration of Criminal Justice**

This course is a seminar that provides students with an opportunity to learn more about organizational and administration theories and how they apply to the criminal justice system. Theoretical knowledge is linked with best practices in law enforcement, court and correctional agencies. The course is intended to be an advanced seminar for graduate students; much of the work is scenario-based.

Offered at Online

3 Semester Credits

**CJS5620 Contemporary Criminology and Crime Prevention**

This course provides a strong academic background in criminological theory and helps students develop critical evaluation skills to assess the efficacy of particular theories. Students have the opportunity to connect criminological theory to criminal justice policy and practice. Crime prevention examples and techniques are used throughout the course to teach students how to apply theory to practice. Critical thinking and communication skills are utilized throughout. This course is intended to be an advanced seminar for graduate students.

Offered at Online

3 Semester Credits

**CJS5630 Advanced Legal Issues in Criminal Justice**

This course is a seminar that provides students with an opportunity to learn more about legal issues and implications in the context of criminal law.

The course is intended to be an advanced seminar for graduate students, and provides students with a challenging and rigorous experience in legal thinking and applications.

Prerequisite(s): CJS5610 or RSCH5700.

Offered at Online

3 Semester Credits

**CJS5650 Criminal Justice Ethics and Diversity in a Global Environment**

This course examines applied ethics in criminal justice practice. By applying moral philosophy to a variety of different scenarios, students gain valuable skills in ethical decision-making for the diverse global environment of the criminal justice workplace. This course examines professional ethics for the courtroom, in law enforcement, in corrections, and while doing research.

The goal of this course is not to present a single unified ethical system in the criminal justice field, but to expose students to a variety of thought-provoking ethical behaviors, and allow students to explore relevant ethical dilemmas faced by individuals working in the criminal justice system or subject to the control of the criminal justice system.

Offered at Online

3 Semester Credits

**CJS5680 Juvenile Justice Issues**

This course begins with a brief history of the juvenile justice system and an overview of current juvenile justice agencies and processes. Current issues and trends in the field of juvenile justice and juvenile crime prevention are explored in more detail with a focus on evidence-based practice.

Prerequisite(s): CJS5620.

Offered at Online

3 Semester Credits

**CJS5700 Special Needs Populations in the Criminal Justice System**

This course addresses the growing recognition that a large proportion of individuals who come into contact with the criminal justice system have special needs. Practical examples from law enforcement, courts and corrections highlight the issues faced by special needs populations and the ways to address these issues through policy and practice.

Prerequisite(s): CJS5620 (or concurrent).

Offered at Online

3 Semester Credits

**CJS5740 Global Criminal Justice Issues**

This course provides students with an overview of transnational crimes and the international responses to those crimes. Topics include drug trafficking, human trafficking, weapons trafficking, cybercrime and transnational environmental crime. Students gain an understanding of the nature and extent of transnational crimes and the challenges facing crime prevention and control efforts.

Prerequisite(s): CJS5610 (or concurrent).

Offered at Online

3 Semester Credits



**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 2 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): RSCH5700.

Offered at Online

3 Semester Credits

**CJS5780 Social, Community and Restorative Justice**

This course examines the concepts of social justice, community justice and restorative justice. Topics include strategies for planned change that address social justice issues like racism, economic inequality, sexism and poverty. Students explore how programs based on different justice models can be utilized to improve public safety.

Prerequisite(s): CJS5620 (or concurrent).

Offered at Online

3 Semester Credits

**CJS6900 Criminal Justice Capstone Project**

This course provides students the opportunity to integrate the knowledge and skills learned throughout the program in the capstone project. A problem in the criminal justice environment is presented and students analyze and develop a proposed solution using theories, skills and knowledge learned during the program. Guidance is provided throughout the course to assist students with addressing the problem according to professional and scholarly standards.

Prerequisite(s): CJS5610, CJS5620, CJS5650, RSCH5700.

Offered at Online

3 Semester Credits

**COHM2010 Technology in the Hospitality Industry**

This course provides students with a comprehensive overview of the various informational systems in the hospitality industry. Students gain basic knowledge in the use of Property Management Systems, Global Distribution Systems, Point of Sales Systems, Sales, Marketing, Loyalty and Operating support systems, current mobile applications, and other current technology available to the travel/tourism and hospitality industry. In addition, the students learn about future technological trends in the industry. Students also develop a working knowledge of Excel spreadsheet skills and learn how to apply those skills to problem-solving cases in the hospitality industry.

Offered at Charlotte, Online, Providence

3 Semester Credits

**COHM4050 Strategy and Improvement in the Hospitality Industry**

This capstone course provides an overview of strategic management and decision-making in the hospitality industry. The course is summative and builds on concepts introduced and reinforced across the curriculum in the areas of strategy, data analysis, planning, implementation and evaluation. Pragmatic in approach, course activities offer opportunities to develop and practice business competencies required at the managerial level.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**COHM4799 College of Hospitality Management Internship**

Students enrolled in the College of Hospitality Management Internship engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and managerial skills development in a professional setting. Through the internship, students gain valuable applied experience and have the opportunity to leverage connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the field of hospitality management. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 2.0 and 2) have completed 57 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

**COHM6799 College of Hospitality Management Graduate Internship**

Students enrolled in the College of Hospitality Management Graduate Internship engage in experiential learning to advance and refine abilities as management professionals. Throughout the internship experience, students integrate graduate studies with previously acquired field/industry specific skills to support the operational/strategic initiatives of the host site and gain important insights into the leadership of successful ventures.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a cumulative GPA of 3.5, and 2) approval of department chair.

Offered at Online, Providence

3 Semester Credits

**COMJ1020 Community Justice**

This course examines the origins and framework of the community justice movement as a means to achieve justice and prevent crime within localized jurisdictions, while improving quality of community life. This course prepares students to examine various ideas and strategies, such as community organizing, environmental crime prevention, and public-private/nonprofit partnerships as a means to assist criminal justice agencies in strengthening their relationships with the community in order to build healthy and viable communities, while being more responsive to community needs. Additional topics include exploring the decentralization of authority and accountability within our criminal justice system by encouraging front-line workers to take the initiative in order to solve community problems with a focus on bringing citizens into the justice process as advisers, stakeholders, collaborators and partners. Assignments and projects give students opportunities to examine the role of community justice in the context of distinctions and similarities in the use of informal (as opposed to formal) social control as a more effective means of crime management, while engaging in a critical assessment of the limitations, as well as the future of community justice.

Offered at Providence

3 Semester Credits

**COMJ1080 Restorative Justice**

This course examines the historical foundations and theoretical framework of restorative justice. By providing a unique perspective on assessing crime and responding to the strains it places upon the offender and victim, as well as the community, this course explores the pillars of harm, obligation, engagement and participation of all stakeholders. This course also examines the implementation of restorative justice practices and policies in order to broaden and enrich prevailing approaches to crime prevention, community building and criminal justice. This course therefore explores the importance of various restorative processes and practices, such as victim-offender mediation, family group conferencing, victim impact panels, peacemaking circles, as well as reparative boards. Assignments and projects give students opportunities to examine the role of restorative justice in the context of distinctions and similarities with transitional justice, while engaging in a critical assessment of the limitations as well as the future of restorative justice.

Offered at Providence

3 Semester Credits

**COMJ2030 Race, Crime and Justice**

This course is an exploration of the historical intersection between race, crime, and the juvenile/criminal justice systems, as well as the extent of victimization. This course examines various contemporary issues critical to understanding race and crime through an analysis of policing, courts and corrections in the past and the present, as well as disparities in sentencing and the death penalty. In addition, this course explores existing challenges to the study of race and crime, such as hate/bias crimes, racial profiling, immigration and crime, as well as sentencing disparities, disenfranchisement, and wrongful convictions. Theoretical perspectives on race and crime and the collection of crime data in the United States are compared and contrasted.

Offered at Providence

3 Semester Credits

### **COMJ3050 Cultural Awareness and Diversity in Criminal Justice**

This course provides students with a background and understanding of the importance of cultural awareness and diversity within our criminal justice system. The course offers a comprehensive examination of existing influences of culture, race, ethnicity, gender and sexual orientation in multicultural communities within criminal justice. The course also looks at the importance of embracing community partnerships with law enforcement as a means to develop successful strategies to alleviate crime trends within multicultural communities and improve professionalism, as well as enhanced and enriched communication with members of diverse groups. Other course topics to be discussed in a broader context include police/community mutual stereotypes, implicit biases, the importance of verbal de-escalation in law enforcement, as well as the importance of improved cross-cultural competency, and improved cross-racial and interethnic relations.

Offered at Providence

3 Semester Credits

### **COMJ4060 Change and Innovation in Law Enforcement**

This course provides an expansive insight into an array of reforms and innovations in policing from a domestic and global perspective. The course explores evolving areas in police procedure, such as the internet and social media, relationships between higher education and professionalization and accountability, and the restructuring of police relationships with the public in order to develop trust through diversity training within policing and public support for aggressive policing. In addition, students examine challenges being faced by the movement toward innovations in policing and the resistance of adhering to the long-standing origins and traditions of law enforcement. Topics include women in policing, police downsizing and corruption, as well as law enforcement in the fight against terrorism.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

### **COMM5200 Leadership Communication**

To ensure maximum effectiveness, every organization — large or small, private or nonprofit — requires communication. From a leadership perspective, communication is not only necessary but must be meaningful in order for stakeholders to accept and commit to leaders' ideas. This course examines how leaders in today's business world use their organizations' emotional resources to create institutional direction and vision; inspire and align followers; manage conflict and critical change; encourage team development; and foster a culture of inclusivity and productivity. The course also discusses the roles played by leadership style, interpersonal relationships, systems theory, technology and globalization in helping leaders create meaningful and impactful messaging throughout organizations.

Offered at Online

3 Semester Credits

### **COMM5300 Storytelling as a Business Tool**

There are those individuals — in personal and/or professional circles — who are able to hold and command others' attention with their words. They blend art with skill to successfully capture the ideas, images and visions that enthrall and captivate their audience. These unique individuals are storytellers, and in the business world, they lead by creating vision, aligning employees, building community, and clarifying the need for organizational changes. This course examines the various forms of workplace communication storytellers employ to deliver their message and how they craft the most appropriate message for maximum impact on a targeted audience. Students have the opportunity to study various elements of quality storytelling and to develop their own organizational message using best practices.

Offered at Online

3 Semester Credits

### **COMM6200 Strategic Communications**

This course examines an array of theoretical foundations as well as approaches and emerging research on the practice of strategic communication on individuals, groups and organizations. Students are exposed to ways that organizations use purposeful communication to achieve organizational goals. This course also introduces mass communication approaches, while emphasizing ethical methods to persuasive communication. Students are challenged to develop approaches to creative messaging in the social media and strategic communication plans of their own organizations.

Prerequisite(s): COMM5200.

Offered at Online

3 Semester Credits

### **CSIS1000 Problem Solving and Programming Concepts**

This introductory course teaches students the fundamentals of problem-solving in computer programming and basic automation. Students learn to use both textual and graphic algorithms as problem-solving tools. In experience-based learning exercises, students work from a problem statement, conduct a task analysis to solve the problem, decide what data is needed to solve the problem, create a visual representation of their solution, and then convert the visual representation to a textual step-by-step statement of their solution. Students also engage in batch scripting using a command-line interpreter to help solve problems using an automated process. Students use various tools currently used in industry, including functional decomposition diagrams, flowcharts, UML diagrams, use cases, metadata charts, data flow documents and pseudocode.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CSIS1101 Computer Science I**

This course teaches students to think algorithmically and solve problems efficiently. This course is designed to present an introduction to computer science doctrine; an understanding of core algorithmic concepts (e.g., control structures, assignment, decision structures, mathematical/Boolean operations, etc.); an introduction to structured computer programming languages, problem classification, program development and specification; software development planning techniques; debugging techniques; an introduction to the power of development environments; and documentation of software projects. Students conduct a task analysis to solve the problem, identify relevant data, produce visual and textual step-by-step solutions, and 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 as well as industry standard documentation techniques, such as flowcharts, UML diagrams, use cases, data flow documents, and pseudocode.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CSIS1112 Computer Science II**

This course further enhances students' understanding of computer science theory and methods and provides an introduction to the study of important algorithms. Main themes include designing with appropriate data structures (Advanced Data Types — ADTs) and classic algorithms, and analyzing the efficiency of the algorithms developed. Classic algorithms studied include those used for recursion, sorting, searching, graph algorithms and maintaining dynamic data structures. ADTs are presented from a generic/usage-oriented perspective.

Prerequisite(s): CSIS1101 or ENGN2009.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CSIS2018 Advanced Data Structures**

This is an essential course in the adaptation of ADTs for use in solving complex or computationally expensive problems efficiently. This course provides students with the implementation level details of various ADTs as they are applied to solving a wide array of problems. The course provides advanced programming techniques for implementing ADTs such as recursion. Students also gain an appreciation of the trade-offs between competing ADT solutions as they pertain to problem solving.

Prerequisite(s): CSIS1112.

Offered at Online, Providence

3 Semester Credits

**CSIS2023 Survey of Programming Languages**

This course examines the evolution of programming languages and the nature of various types of computer languages, concentrating on their suitability, efficiency, and effectiveness as they pertain to particular problem domains. General concepts common to all programming languages are discussed to facilitate learning new languages. Language paradigms (i.e., logic, functional, procedural, object-oriented) are compared and implementation strategies are discussed.

Prerequisite(s): CSIS2018, ENGN2014 or CYB2010.

Offered at Online, Providence

3 Semester Credits

**CSIS2030 Database Concepts**

This course introduces students to the function of a database environment. The importance of databases to modern systems development provides the motivation for examining data structures and models as they relate to user needs. Relational data models are emphasized along with query languages and user-friendly packages. The various data structures and file storage techniques used with hierarchical, network and relational data management issues are developed. Out-of-class assignments are completed by all students.

Prerequisite(s): CSIS1000 or CSIS1101 or FIT1040.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CSIS2045 Introduction to Operating Systems**

This course includes a survey of the functional characteristics of complex operating systems and an introduction to the basic techniques of operating systems design. The course discusses the topics of hardware configuration, channel operation, interrupts, register functions, multiprogramming, multiprocessing, timesharing and JCL.

Prerequisite(s): CSIS1020 or CSIS1040 or CSIS1101.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CSIS2050 Advanced Programming Concepts**

This course is designed to provide the student with an advanced understanding of the relationship between hardware and software through the use of higher level language (C programming language) facilities. Students learn how to create programs that interface with computer peripherals. Program design, coding, debugging, testing, execution and documentation are reinforced.

Prerequisite(s): CSIS1020 or CSIS1101.

Offered at Providence

3 Semester Credits

**CSIS2075 Interface Design for Mobile Devices**

This course addresses the unique features and limitations of small, mobile computing devices such as smartphones and tablets. These devices are different from the traditional computing platforms in that they typically do not have mechanical keyboards or pointing devices, but use touch screens as the primary interface. The use of the screen as both the input and output device, the small size of the device, and the added features such as telephony, global positioning, accelerometer and camera provide both challenges and opportunities for the application developer. This course prepares students for application development for mobile computing devices.

Prerequisite(s): Sophomore status.

Offered at Online, Providence

3 Semester Credits

**CSIS2080 Database Design**

This course provides a foundation for the systems-development effort of using fourth and fifth generation tools in database environments by systematically examining the procedures and tools used in designing a database. This course emphasizes the relational model. Students study normal forms, decomposition, synthesis, semantic modeling, network and hierarchical models. All students complete out-of-class assignments.

Prerequisite(s): CSIS2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CSIS3106 Software Verification, Validation, Testing and Security**

This course covers methods for evaluating software for correctness and reliability, including code inspections, program proofs and testing methodologies. Students learn formal and informal proofs of correctness, code inspections and their role in software verification, unit and system testing techniques, testing tools and limitations of testing. Statistical testing and reliability models address the testing of large scale systems. Students learn techniques for developing secure code, including: software data flow analysis, secure access, using cryptography, eliminating data residue and the need for content checking.

Prerequisite(s): CSIS2045, ITEC2085.

Offered at Providence

3 Semester Credits

**CSIS3126 Design Project I**

This course is designed to allow for mid-program evaluation of the software development skills and abilities of students. Under the direction of faculty, students develop a solution to a complex problem (agreed upon with faculty) that is completed strictly within one semester. Students utilize all of the skills learned thus far in the program to complete the task required.

Prerequisite(s): CSIS2023, ENGN2014 or CYB2010.

Offered at Online, Providence

3 Semester Credits

**CSIS4010 Software Engineering**

This course covers development life cycle choices, software code management, software project cost analysis, tools for developing software, productizing software, documenting software products, development effort estimating, software development team dynamics, and emerging trends in the software engineering field.

Prerequisite(s): CSIS3106, PRMG2010.

Offered at Providence

3 Semester Credits

**CSLG2030 Counseling Theories and Techniques**

This course is an introduction to the methods, major theories and techniques of counseling. A wide range of settings are considered, as well as a large range of topics, including dysfunctional families, domestic violence, incest, suicide prevention, drug and alcohol abuse, sociopathic personalities and multicultural issues.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CSLG2040 Introduction to Career and School Counseling**

This course is designed to help students become competent in the use of educational and occupational information in counseling-related activities. Particular emphasis is on how information is processed in planning, establishing and managing careers from a life-span perspective.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG2110 Introduction to Family Treatment for Addictions Counselors**

This foundational course addresses the treatment of families with substance abuse and other addictive disorders. It introduces various models and theories of counseling for families with addictive disorders; the focus is on a family systems approach, exploring the dynamic roles that each family member plays in a multicultural society. It also examines the skills, strategies, techniques and approaches appropriate to intervention treatment as well as the twelve core functions of an addictions counselor.

Prerequisite(s): CSLG2030, PSYC1001, PSYC2040.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG3001 Introduction to Case Management**

This course introduces students to the required case management responsibilities for counselors. Its focus is on the skills and attitudes needed to meet accepted principles of patient management and the necessity of adhering to ethical guidelines. It concentrates specifically on such major aspects of case management as patient privacy rights and confidentiality, accuracy in intake preparation, assessment and screening reports, progress reports and treatment goals, discharge summaries and aftercare planning, and general documentation. The student gains a general knowledge of state and federal regulations for counselors as they apply to record keeping. Focus is also on understanding the referral process and identifying linkages to other community settings.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG3005 Introduction to Crisis Intervention**

This course offers students an introduction to clinical crisis intervention by examining the theories, strategies and skills essential to de-escalating and resolving conflict in crisis situations. Theories on suicide prevention, addictions and suicide, violence and addictions and aggression management are explored. Models for assessing and responding to crises are explored. Topics such as medical and psychological traumas, post-traumatic stress disorder and professional burnout are part of the curriculum as well as theoretical and ethical implications in crises.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG3010 Principles of Group Counseling**

This course provides students with fundamental knowledge of the dimensions of group counseling through attention to its process, dynamics and practice. It focuses on such topics as the development of group counseling as well as the ethical issues and theoretical approaches central to an understanding of the practice. This course also offers experiential training in group facilitation, with opportunities to practice effective strategies by exploring task facilitation, psycho-educational counseling and psychotherapy groups.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG3040 Counseling Techniques for Addictions and Other Behavioral Disorders**

This course focuses on the special skills and techniques required to effectively counsel the addicted and behaviorally disordered client. Development and utilization of advanced treatment planning and client management training are featured. In addition, it addresses the wide range of ethical issues inherent in all steps identified within the scope of practice for addiction professionals and found in recovery support services. The course examines issues that may arise during initial screening, during treatment planning, and as a client progresses through treatment implementation and moves into recovery. Throughout this course, students are asked to relate various points to their own situations, consider the various perspectives presented, and develop an ongoing awareness of their choices, decisions and behaviors in light of the ethical standards outlined by NAADAC.

Prerequisite(s): CSLG2030, PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG3050 Introduction to Marriage and Family Therapy**

This course is designed to provide students with an introduction to conducting couples and family therapy. The primary objective of the class is to assist students with translating theories into practice. Students study issues such as divorce, remarriage, step-parenting, couples therapy, drug and alcohol abuse in couples and families, and the LGBTQ couple and family dynamics. In addition, each student presents a family therapy case, providing students the opportunity to learn from their own practical therapy case experiences.

Prerequisite(s): CSLG2030.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG4099 Internship in Counseling Psychology**

This is a capstone course focusing on the practice of applied psychology in various service agency settings. The course requires students to demonstrate an ability to integrate theory, research and practice in the context of a supervised counseling experience. The internship is a placement directed by a supervisor on site as well as by a program faculty member who meets with students in a weekly seminar in which counseling methods and techniques are critically analyzed and further developed. Students must complete 204–220 hours at the community agency placement site.

Prerequisite(s): To be eligible for this internship, students must: 1) have a GPA of 2.75 in their major courses, 2) have completed 90 hours of course work, 3) have the permission of the program director and faculty adviser and 4) have successfully completed the courses: CSLG2030, CSLG3001 and PSYC2002.

Offered at Charlotte, Providence

6 Semester Credits

### **CSLG5060 Counseling Theories**

This course provides an overview of theoretical approaches to counseling and psychotherapy, including fundamental concepts, assessment, client and counselor roles, cultural relevance, and intervention strategies/techniques. Specific application of theoretical principles is discussed and analyzed, especially their appropriateness for working with culturally diverse groups. Emphasis is placed on interactive role-playing practice of fundamental counseling response skills.

Offered at Charlotte, Providence

3 Semester Credits

### **CSLG5100 Advanced Career Counseling**

This course orients students to career development theories, career counseling procedures and techniques, career assessment tools, career development program planning, and sources of occupational information. Students learn and critically evaluate the major career counseling theories. Students also learn how to effectively conduct career counseling and integrate career counseling into traditional counseling/psychotherapy. The social contexts of career development and how these contexts can be integrated with existing career theory are examined. Students learn to design, deliver and evaluate comprehensive guidance programs. Emphasis is on empirically based theories, theoretically based counseling interventions and current issues of work and vocational counseling.

Offered at Providence

3 Semester Credits

### **CSLG5150 Counseling Across the Lifespan**

This course is designed for students/practitioners who are intending to enter the counseling field. This course helps students to view their clients from a developmental perspective with the understanding that development does not take place in isolation; rather, human development is deeply embedded within and inseparable from the context of family, social network and culture. Students analyze the basic assumptions held by behaviorists, constructivists, developmental systems theorists and nativists, and consider how these paradigms influence knowledge about human behavior. This course is also designed to help counselors recognize the importance of individual and systemic influences on human growth and development and emphasizes the role of service to others as essential to a sense of well-being and self-esteem.

Offered at Providence

3 Semester Credits

### **CSLG5170 Multicultural Counseling: Theories and Techniques**

This course is designed to sensitize students to the roles societal power disparities, therapists' racial identity and awareness, ethical/legal considerations, and client/culture identity play in counseling persons of diverse backgrounds. The dynamics of counseling clients who are African American, Asian American, Hispanic/Latino American, Native American, LGBTQ, and persons with disabilities is examined.

Offered at Charlotte, Providence

3 Semester Credits

**CSLG5250 Professional Orientation and Ethical Practice (Practicum 1)**

Within this introductory graduate counseling course designed to provide students with an orientation to the field of counseling, students become familiar with the ethical and legal considerations related to development in counseling. Students are introduced to the various subfields, settings and employment opportunities in the counseling profession, and the roles and functions of counselors in these settings. Central to this course is an ongoing self-evaluation of the student's attitudes, values, interpersonal skills and motives for choosing counseling as a potential profession. Presentations by practicing therapists add to this orientation to the field.

Offered at Charlotte, Providence  
3 Semester Credits

**CSLG5300 Individual Counseling Theories and Techniques I (Practicum 2)**

This course entails experiential learning opportunities that allow students the opportunity to practice skills and techniques associated with major theoretical orientations and evidence-based counseling techniques, as well as the opportunity to explore personal beliefs and values. With a special focus on gender, culture, ethical dilemmas, counselor preparation, and common theoretically-based assessment and case formation strategies, students consistently examine the means through which the traditional theoretical perspectives attempt to produce change. Student apply their skills weekly in role-play simulations.

Offered at Charlotte, Providence  
3 Semester Credits

**CSLG5350 Health and Wellness Counseling**

This course is based on Myer's "Wheel of Wellness," a holistic model for treatment planning in the mental health field. Focus is on defining, experiencing and working with the body-mind connection. Students review modalities and techniques, validated by neuroscience, that have an integrative effect on the body-mind connection. Students also review the somatic therapeutic processes that support integrative brain function and result in emotional, mental, physical and spiritual well-being. This course examines how biological, psychological and social factors interact with and affect the recovery, rehabilitation and psycho-social adjustment of clients.

Offered at Providence  
3 Semester Credits

**CSLG5400 Psychopathology and Treatment Planning**

This course develops student knowledge of mental health diagnoses and treatment planning through application of various mental health counseling skills. Focus is on diagnosis, treatment planning and supervised mental health counseling skills practice within the context of legal and ethical guidelines and with reference to the current Diagnostic and Statistical Manual of Mental Disorders of the American Psychiatric Association.

Prerequisite(s): PSYC5200.  
Offered at Providence  
3 Semester Credits

**CSLG5450 Testing and Assessment in Counseling**

This course is designed to provide an advanced approach to the principles, concepts, methods and applications of assessing human experience and behavior for counseling purposes. Topics include the history and philosophy behind measurement and assessment in counseling, statistical concepts and common assessment formats for measuring constructs such as personality, pathology, achievement, aptitude and career interests. The required assignments focus on the themes of assessment critique, administration and interpretation of assessment results, and incorporating assessment results into work with clients and students.

Prerequisite(s): CSLG5250.  
Offered at Providence  
3 Semester Credits

**CSLG5500 Advanced Group Counseling Theories and Techniques with Lab**

This experiential and didactic course investigates the issues a counselor processes in group work. Understanding of theoretical perspectives and refinement of personal group facilitation styles are developed through a combination of discussions, demonstrations, videos, experiential opportunities and practice. Co-leadership is utilized in the classroom in conducting group therapy. Students design and conduct groups. Emphasis is on developing skills and applying theories combined with various techniques to actual group situations. Related legal and ethical issues are discussed.

Prerequisite(s): CSLG5300 or CSLG5305.  
Offered at Providence  
3 Semester Credits

**CSLG5899 Counseling Practicum**

This course provides students with the practical application of the theories, skills and knowledge they have gathered over the period of training within the Master of Science in Counseling Psychology program. Students spend time in a clinical setting as a counselor under the supervision of mental health professionals within the setting. Students complete supervised practicum experiences that total a minimum of 100 clock hours over the academic term.

Prerequisite(s): CSLG5250.  
Offered at Providence  
3 Semester Credits

**CSLG6100 Advanced Co-Occurring Disorders and Addictions Counseling**

This course provides students with an understanding of co-occurring psychiatric and substance abuse disorders and their impact on the individual, family and community. An integrated approach to address the issues accompanying the illness is included. Emphasis is on a variety of theoretical approaches, counseling skills, strategies, techniques and procedures for counseling individuals with co-occurring disorders.

Prerequisite(s): CSLG5300, CSLG5400.  
Offered at Providence  
3 Semester Credits

**CSLG6150 Individual Counseling Theories and Techniques II (Practicum 3)**

This course expands and refines the basic listening and attending skills learned in CSLG5300 Individual Counseling Theories and Techniques I. It focuses on therapist variables, self-knowledge and the counseling relationship as the essential elements for effective mental health counseling. It further develops students' knowledge of mental health diagnoses and treatments learned in CSLG5400 Psychopathology and Treatment Planning through application of various mental health counseling skills. Small group settings focus on diagnosis, treatment planning, and supervised mental health counseling skills practice in the lab within the context of legal and ethical guidelines and with reference to the current Diagnostic and Statistical Manual of Mental Disorders 5.

Prerequisite(s): CSLG5300, CSLG5400.  
Offered at Providence  
3 Semester Credits

**CSLG6200 Counseling the Chemically Dependent and Their Families**

This advanced course integrates a family systems model along with a focus on research of addictive disorders. Students explore content information on addiction, the etiology of addiction, methods of assessment, and skills for addressing and treating addictive family systems. Students also gauge the efficacy of current family counseling treatment approaches. Identification of addiction and intergenerational patterns within families is examined. Exploration of healthy family systems, protective factors, and knowledge of community agencies that foster recovery and healing is an integral aspect of this course.

Prerequisite(s): CSLG6100.  
Offered at Providence  
3 Semester Credits

**CSLG6350 Mental Health Counseling for Families**

This course provides students the opportunity to explore assumptions about "the family" and how it develops in a social/cultural context. The course explores selected theories and principles of family counseling. A combination of theoretical and practical application is used to examine variety of treatment approaches.

Prerequisite(s): CSLG5300, CSLG5400.  
Offered at Providence  
3 Semester Credits

### **CSLG6500 Leadership in Agency Settings**

This course explores the essential skills required to become an effective leader and supervisor in community agency settings. Topics include development of interpersonal intelligence (emotional intelligence, communication and conflict resolution skills, and ethical counseling supervision skills) and intrapersonal intelligence (time-management skills, self-care skills and personal leadership style exploration). Students develop and articulate a personal leadership style through readings, reflections and exercises in communication and leadership effectiveness.

Prerequisite(s): CSLG5250, CSLG5300.

Offered at Providence

3 Semester Credits

### **CSLG6888 Counseling Internship I**

This course is a distinctly defined, post-practicum, supervised clinical experience in which the student develops, refines and enhances basic counseling and professional development knowledge and skills — and integrates and authenticates professional knowledge and skills appropriate to their program (CACREP Standards, 2016). Students are required to complete 300 experiential field hours in a clinical setting over the course of the semester. This course provides the student with the practical application of the theories, skills and knowledge gathered over the period of training in the counseling program. The student spends 300 hours in a clinical setting as a counselor-in-training under the supervision of mental health professionals. Students experience 120 hours in direct service responsibilities.

Prerequisite(s): To be eligible for this internship, students must: 1) have completed 18 hours of graduate level course work, 2) have successfully completed CSLG5899, and/or 3) have permission of department chair.

Offered at Providence

6 Semester Credits

### **CSLG6899 Counseling Internship II**

This course is a distinctly defined, post-practicum, post-internship (CSLG6888 Counseling Internship I), supervised “capstone” clinical experience in which the student refines and enhances basic counseling or professional development knowledge and skills — and integrates and authenticates professional knowledge and skills appropriate to their program and initial postgraduate professional placement (CACREP Standards, 2016). Students are required to complete 300 experiential field hours in a clinical setting over the course of the semester. This course provides the student with the practical application of the theories, skills and knowledge gathered over the period of training in the counseling program. The student spends 300 hours in a clinical setting as a counselor-in-training under the supervision of mental health professionals. Students experience 120 hours in direct service responsibilities.

Prerequisite(s): To be eligible for this internship, students must: 1) have completed 18 hours of graduate level course work, 2) have successfully completed CSLG5899 and CSLG6888, and/or 3) have permission of department chair.

Offered at Providence

6 Semester Credits

### **CSLG6980 Clinical Supervision Advising - Post Internship**

This noncredit-bearing course is for students who have completed the coursework requirements of CSLG6898 and CSLG6899 but have not fulfilled the required 600 clinical hours of their internship. Ongoing weekly clinical supervision is required for licensing until completion of hours and direct clinical contact requirements are attained. This seminar provides students with weekly faculty clinical supervision as required for licensing and to meet CACREP standards.

Prerequisite(s): CSLG6899.

Offered at Providence

0 Semester Credits

### **CUL1010 Culinary Fundamentals I**

This course introduces students to essential culinary skills and techniques. Topics covered encompass culinary professionalism, commercial kitchen operations, culinary hand tool utilization, kitchen safety, food safety and sanitation, basic knife skills proficiency, mise en place organization, and sensory analysis. Students actively apply these concepts in hands-on activities, demonstrating the competencies in knife cutting, stock production, and sauce creation.

Prerequisite(s): This course is reserved for special industry partner programs. FSM1185 (or concurrent).

Offered at Online

3 Semester Credits

### **CUL1020 Culinary Fundamentals II**

Students learn and reinforce the core concepts, skills and techniques in culinary cookery. Key areas covered encompass knife proficiency and safety, kitchen safety protocols, culinary math, recipe costing, and menu design and development. Practical application enables students to demonstrate the competencies in moist cooking methods, including poaching, steaming, blanching, shocking, boiling and simmering. Students also demonstrate the competencies in thin, cream and chowder soup production.

Prerequisite(s): This course is reserved for special industry partner programs.

CUL1010, FSM1185.

Offered at Online

3 Semester Credits

### **CUL1100 Introduction to Culinary Skills and Techniques**

Students learn the techniques practiced in the professional kitchen: the craft, the tools, food safety and sanitation, basic knife skills, culinary math applications, and mise en place. Students are introduced to moist cooking techniques such as boiling, simmering, poaching, steaming, blanching/shocking and sweating. The basic preparations of stocks, soups and classic sauces are introduced. The course provides skills that become the foundation on which students build a lifetime of culinary learning. Sections of this course offered online are reserved for students in special industry partner programs.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CUL1200 Introduction to Breakfast & Lunch Cooking**

Students are introduced to fundamental techniques for preparing breakfast, brunch and lunch menu items. Students gain experience in mastering basic egg cooking methods, enabling them to craft restaurant-quality breakfast and brunch dishes. Additionally, the course covers the essentials of lunch preparation techniques, including salads and sandwiches. Students are introduced to analyzing the nutritional content of a recipe and plate presentation methods. Food safety, allergen identification, recipe and portion costing are reinforced.

Prerequisite(s): This course is reserved for special industry partner programs.

CUL1010, CUL1020, FSM1185.

Offered at Online

3 Semester Credits

### **CUL1210 Breakfast & Lunch Cafe**

Students are introduced to and practice a variety of basic cooking skills using breakfast, brunch and lunch cooking techniques. The skills include egg preparation, sandwiches, salads, soups, vegetable cooking, sauces (including basic emulsions) and vinaigrettes. Basic yeast and quick bread techniques include creaming, blending and rubbing. Protein fabrication is reinforced. Recipe and portion costing is practiced. Food waste, sustainability, and culinary science issues are explored. Plate presentation and nutritionally balanced plates are emphasized in the production and service of a la minute foods.

Offered at Charlotte, Providence

3 Semester Credits

### **CUL1310 Principles of the Plate**

Students are introduced to working with the principal elements of a plate to create menu items reflective of today's foodservice industry. Students apply portion control, ingredient selection, cooking and flavoring techniques, with a focus on nutrition. Culinary math as applied to portion control and recipe costing is emphasized.

Prerequisite(s): This course is reserved for industry partner programs.

Offered at Online

3 Semester Credits

### **CUL1320 Elements of a la Minute Cooking**

Students are introduced to sauté, shallow-fry and grill. Students apply portion control, ingredient selection, cooking and flavoring techniques, with a focus on nutrition. Students are introduced to a la minute cooking and baking methods. Culinary math as applied to portion control and recipe costing is emphasized.

Offered at Charlotte, Providence

3 Semester Credits

**CUL1410 Contemporary Cooking & Leadership Functions**

Students are introduced to stewing, braising, roasting, and savory baking. Protein fabrication and full product utilization are emphasized. Students demonstrate how to delegate, order, receive, store, prepare and serve a variety of menu items. Students explore menu and recipe development, while applying cost control methods.  
Offered at Charlotte, Providence  
3 Semester Credits

**CUL1420 Traditional Cooking Techniques**

Students are introduced to the traditional cooking techniques of stewing, braising and roasting along with identification and grading of beef, lamb and pork. Students create original seasonal recipes and menus focused on full product utilization and sustainable industry practices. Students practice plate presentation techniques while developing original menu items that would appeal to the expectations of today's consumer.  
Prerequisite(s): This course is reserved for industry partner programs.  
Offered at Online  
3 Semester Credits

**CUL2510 Contemporary Restaurant Operations and Management**

Students explore front-of-the-house operations and practice professional dining, beverage service, and supervisory skills. Etiquette, guest relations, communication skills, teamwork, critical thinking, and professionalism are emphasized. Students practice management concepts including operational procedures and financial responsibilities. Students are introduced to the production and sensory evaluation of beverages and the principles of food and beverage pairings.  
Prerequisite(s): Sophomore status.  
Offered at Charlotte, Providence  
3 Semester Credits

**CUL2610 Baking and Pastry Concepts for Culinary Operations**

Students expand upon the foundational baking and pastry skills introduced in first-year culinary labs to produce a variety of breads, pastry and baked items. Students also incorporate design, flavor, and textural components to create plated desserts. Continued emphasis is placed on accurate weights and measures, mixing methods, station organization and culinary math. Students analyze ingredient and product needs based on various culinary operations.  
Prerequisite(s): Completion of all freshman culinary labs.  
Offered at Charlotte, Providence  
3 Semester Credits

**CUL2710 Banquets and Catering**

Students develop the techniques for the setup and execution of banquets and catering functions. Techniques in fabrication, portion cutting, preservation, charcuterie, and hot and cold foods are executed with a focus on total product utilization. Healthful menu alternatives are explored.  
Prerequisite(s): Completion of all freshman culinary labs.  
Offered at Charlotte, Providence  
3 Semester Credits

**CUL2810 Global à la Carte**

Students apply diverse skills to produce contemporary, globally influenced à la carte menus through the exploration of flavor profiles, culture, and cuisines with an emphasis on healthful, appropriate and modern professional cooking skills and ingredients.  
Prerequisite(s): Completion of all freshman culinary labs, sophomore status.  
Offered at Charlotte, Providence  
3 Semester Credits

**CUL2881 Farm to Table—A Global Perspective**

Apply culinary skills in a unique program immersed in global culinary and educational philosophy applied to the farm-to-table movement. Specialized modules build upon core culinary skills learned at Johnson & Wales University and introduce local techniques and products with local leaders in the culinary profession. Personalized approach focuses on deep knowledge of ingredients, technique and presentation. The class combines theory, practical application, competency-based testing, and cultural experiences.  
Prerequisite(s): Completion of all freshman sophomore culinary labs.  
Offered at Charlotte, Providence  
6 Semester Credits

**CUL2900 International Cuisine Culinary Capstone**

This capstone course challenges students to apply high-level contemporary culinary skills toward the exploration of global cuisines and cultures. Emphasis is placed on student-driven menu development and research to survey an international pantry of ingredients, flavor profiles, cultural cuisine vocabulary, cooking techniques, and safe and healthy dish design.  
Prerequisite(s): CUL1100, CUL1200, CUL1310, CUL1420, SFS2110 (or concurrent), this course is reserved for industry partner programs.  
Offered at Online  
3 Semester Credits

**CUL3010 Introduction to Culinary Instruction**

This course is a study of methods, tools and techniques employed in facilitating the teaching and training of culinary arts. The knowledge and skills necessary for the professional role of an instructional specialist, such as a facilitator, trainer or teacher, are emphasized throughout this course. Concentration is placed on the preparation and the process of delivering effective teaching and training activities in short term programs such as workshops, seminars, presentations and demonstrations. Students have the opportunity to conduct classroom observations and implement and apply selected instructional strategies discussed in class.  
Offered at Charlotte  
3 Semester Credits

**CUL3020 Foundations of Wine**

This course introduces the student to a systematic approach to wines and develops the student's ability to describe them in a marketable way. The course teaches a fundamental understanding of the relationship between location, climate, terrain, soils, viticulture, vinification and grape varieties and the differentiation between quality levels of wine. Wine tastings incorporate structured analysis leading students to identify regional and varietal organoleptic differences in wines. Tastings incorporate discussions on the pairing of food and wine. Representative wines are tasted. Upon completing this course, students are prepared to sit for the WSET Level 2 Award in Wines Certification. This certification is available at the university each semester. An additional fee is required to take the WSET Level 2 Award in Wines Certification.  
Prerequisite(s): Only the Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**CUL3030 Exploring Cheese**

This course provides an opportunity for students to explore the world of cheese. Cheese history, production and trends are analyzed within a worldwide business context. Course components include sensory evaluation, classification, ripening, storage, purchasing, service and applications in today's kitchens. Students learn how to best purchase and serve cheese to enhance profitability in restaurant menu programs or retail outlets. Students also evaluate the principles of beer and wine pairings with cheese. Students are prepared to pass the Wisconsin Cheesecyclopedia, a cheese education course exam.  
Offered at Charlotte, Providence  
3 Semester Credits

**CUL3082 Exploring Mead and Honey**

This course provides students the opportunity to explore the origins and history of honey and honey fermentation, as well as challenges to the apary industry and the effects of terroir on honey quality. Students learn about the role and importance of bees and honey in the global food industry. Various types of mead, the world's oldest documented fermented beverage, are analyzed and produced. Packaging, labeling, licensing and regulatory compliance, as well as sales and marketing aspects, are also explored. Successful students should be prepared to sit for the BJCP Mead Judge Certification exam.  
Offered at Providence  
3 Semester Credits

**CUL3092 Brewing Arts**

This course helps students develop an understanding of traditional and modern styles of beer and brewed alcoholic beverages by examining production methods and ingredients and through sensory analysis. Students explore historical context, as well as modern industry structures and trends. Students learn how to brew an all-grain beer recipe and to identify common beer faults and their causes. Upon completion of this course, students are prepared to sit for the Certified Beer Server exam from the Cicerone Certification program.

Offered at Charlotte, Providence

3 Semester Credits

**CUL3093 Coffee, Tea, and Non-Alcoholic Beverage Specialist**

This course focuses on the role of non-alcoholic beverages in profitable beverage programs. It combines advanced knowledge and application of coffee, tea, water, ready-to-drink, and other non-alcoholic beverages with structured systematic tastings, analysis, production and service. Students analyze the application of these non-alcoholic beverages to the on-premise market.

Offered at Charlotte, Providence

3 Semester Credits

**CUL3131 Chef-Driven Contemporary Casual Concepts**

This course provides students the opportunity to explore the unique challenges of operating a contemporary, chef-driven, casual dining concept, developing strategies to maximize profits while maintaining food integrity. Cooking skills are refined and advanced culinary techniques are applied to innovative, student-driven menus utilizing a global pantry and sustainably sourced foods that align with current industry practice.

Prerequisite(s): Completion of all sophomore culinary labs.

Offered at Providence

3 Semester Credits

**CUL3141 Corporate Dining Concepts**

This course provides students the opportunity to explore the unique challenges of operating a contemporary, chef-driven, corporate restaurant dining concept, developing strategies to maximize profits while maintaining food integrity. Cooking skills are refined and advanced culinary techniques are applied to innovative, student-driven menus utilizing a global pantry and sustainably sourced foods that adhere to specific consumer expectations.

Prerequisite(s): Completion of all sophomore culinary labs.

Offered at Providence

3 Semester Credits

**CUL3151 Chef-Driven Fine Dining Concepts**

This course provides students the opportunity to explore the unique challenges of operating a chef-driven, fine dining concept, developing strategies to maximize profits while maintaining food integrity. Cooking skills are refined and advanced culinary techniques are applied to innovative, student-driven menus utilizing a global pantry and sustainably sourced foods that align with current industry practice.

Prerequisite(s): Completion of all sophomore culinary labs.

Offered at Providence

3 Semester Credits

**CUL3270 Volcanic Island Wines: The Azores and Madeira**

This nine-day intensive study abroad course is designed to provide students with an appreciation of the culture of Madeira and the Azores, and their history of grape-growing and wine-making that reflect a sense of place. Students discover the role of wine tourism, marketing, and the commercial position these wines hold in the global marketplace. Students are exposed to the culture and cuisine of the region (islands) and explore how and why their wines pair best with cuisines.

Prerequisite(s): CUL2510 or FSM2055 or department chair approval.

Offered at Charlotte, Providence

3 Semester Credits

**CUL3280 Eastern Culinary Techniques and Gastronomy**

This course offers an integrated curriculum incorporating theoretical and practical instructions on the art of Eastern cooking techniques and gastronomy. The course concentrates on the cuisine and culture of Singapore, China, India, Malaysia, Indonesia, Thailand and Indochina. Students learn from demonstrations, interactive cooking and tastings, and hands-on cooking classes. The course also involves cultural experiences throughout the Asian region of the world.

Prerequisite(s): BPA2720 or (CUL1100, CUL1210, CUL1320, CUL1410), FSM1165.

Offered at Charlotte, Online, Providence

6 Semester Credits

**CUL3585 Mediterranean Wine, Spirits and Cheese**

This study abroad course gives students the opportunity to study wines, spirits and cheese from the many islands (e.g., Rhodes, Santorini, Sicily, Mallorca) and mainland(s) in the Mediterranean (e.g., Greece, Italy, Spain) that produce these products, providing a deeper understanding of the production process through a cultural and historical lens. Students develop food and wine pairing skills through lectures and presentations given by local experts, and excursions to regional wineries, wine cellars, distilleries, and cheese production facilities. Students visit local cultural sites throughout the islands. Locations may vary each year to include sites in Greece, Sicily, Mallorca, and/or other Mediterranean regions.

Prerequisite(s): CUL2510, FSM2055, sophomore status or department chair approval.

Offered at Charlotte, Providence

3 Semester Credits

**CUL3900 Exploring Ciders and Fruit Wines**

Students explore the rapidly growing industry of ciders, perries, and fruit wines. Students are able to describe and identify the properties and flavors of heirloom and modern varieties of fruits, and their impact on the fermented products. Students employ sensory analysis and critical thinking skills to identify and describe the flavors and texture of products, as well as faults, their causes, and potential remedies or prevention. Packaging, marketing, sales, and food affinities are also discussed. Successful students are able to pass the Level 1 Certified Cider Professional exam from the U.S. Association of Cider Makers.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Online, Providence

3 Semester Credits

**CUL4025 Advanced Wine Studies**

This course offers students an advanced understanding of New and Old World wines, 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. Students examine production methods, trace the evolution of various appellation of origin classification systems, and explore the concept of terroir. 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.

Offered at Charlotte, Providence

3 Semester Credits



**CUL4045 Spirits and Mixology Management**

This course offers the student an advanced understanding of spirits, liqueurs, cocktails and mixology to design and supervise a successful bar operation. Spirits, liqueurs, cocktails and mixology principles are discussed within a cultural, historical and business context. Sensory analysis, cocktail recipe creation and production methods, inventory, cost analysis and merchandising are major components of this course. Alcohol liability and server training are reviewed. Students may be offered the practical exam for the International School of Mixology Bartending Certification.

Prerequisite(s): Only the Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CUL4085 Creating the Guest Experience**

This course is designed to instruct students about the front-of-house operational role when creating a high-quality guest experience across the ever-expanding range of sales environments in today's food and beverage world. À la carte, banquet, and takeaway delivery methods form the basis to explore the principles of staffing, marketing, service design, menu design, equipment planning, safety and sanitation elements, station management, reservation management, cash control, and payment processing. Students perform all functions related to the front-of-the-house applications of the guest experience.

Prerequisite(s): BPA2720 or CUL2510.

Offered at Charlotte, Providence

3 Semester Credits

**CUL4115 Culinary Capstone: The Professional Kitchen**

This capstone course integrates the critical competencies needed to lead chef-driven restaurant concepts, which include excellence in menu development, food production, service and management strategies. Students develop a menu that demonstrates consciousness in sourcing and procurement while leading a team through production and service. Students' ability to plan, budget, manage, report finances and demonstrate leadership principles to safeguard an economically sustainable operation are assessed.

Prerequisite(s): CUL3131, CUL3141, CUL3151.

Offered at Providence

3 Semester Credits

**CUL4185 Sommelier Capstone**

This course provides a comprehensive overview of beverage sales and service techniques giving the student the ability to select appropriate products for a successful beverage program. Students focus on food and beverage pairings, the development of beverage lists, and the training techniques for successful sales. Relevant selection and purchasing of beverages, inventory controls, storage, and distribution management is emphasized. Guest-centered hospitality, liability, and responsible service are reinforced throughout. Sommelier career options are explored across the beverage industry. Upon completion of this course, students have the opportunity to sit for the internationally recognized WSET Level 3 Award in Wines certification exam.

Prerequisite(s): CUL3020, CUL4025.

Offered at Charlotte, Providence

3 Semester Credits

**CUL4416 British Practical Brewing**

This rigorous, experience-based course is ideal for students who want to work in or develop their own microbrewery or brewpub. Students work with JWU faculty in preparation for and during their hands-on coursework with our educational partner, Brewlab in the UK. Students enhance their knowledge of brewing theory and develop their skills in practical brewing, recipe formulation, sensory analysis, marketing, and brewery design. Students work alongside professional brewers, scientists and industry professionals in both laboratory and field settings to earn practical, professional brewing experience. Students learn traditional and modern ale-brewing technology both on-site and at local craft breweries. Students may attend evening and weekend excursions to regional maltsters, hop yards and breweries, and other historic and cultural sites. There is a comprehensive written exam at the completion of the course. Successful candidates earn the Brewlab Practical Brewing Certificate, a NVQ Level 2 achievement.

Offered at Charlotte, Providence

3 Semester Credits

**CUL4417 Applied Craft Brewing Capstone**

This hands-on course is ideal for students who intend to work in or develop their own craft brewery or brewpub, by enabling students to apply their skills in practical brewing, recipe formulation, laboratory analysis, brewery sanitation, packaging and service. Students design and produce their own original recipes and serve their beer at an industry event. Students gain practical working experience in regional craft breweries and observe how academic concepts are applied differently in a variety of settings.

Prerequisite(s): CUL3092 and CUL4460.

Offered at Charlotte, Providence

3 Semester Credits

**CUL4419 Brewery Operations and Planning**

This course prepares students to plan and develop their own brewery or brewpub. Students explore topics such as facilities layout and design, equipment sizing and configuration, location and siting factors, compliance and regulatory environment, HACCP, safety and quality control, resource and waste management, conservation and sustainability, types of finance, marketing, production scheduling, and forecasting. The focus is on the American craft brewing industry and structure, though most concepts can be applied internationally. Upon completion of the course, students are prepared to construct a preliminary plan for a brewery business.

Prerequisite(s): CUL4460.

Offered at Charlotte, Providence

3 Semester Credits

**CUL4460 Advanced Brewing Theory and Analysis**

This course allows students to explore brewing theory in depth, as preparation for a career in craft brewing and beer judging. Students explore topics such as malting science, water chemistry, hop growing technology and yeast microbiology as they relate to the art of craft brewing. Students describe variations in classic and contemporary beer styles in detail, with a special emphasis on ingredient and process variables as they relate to flavor and style accuracy. Advanced sensory analysis skills and critical thinking are developed throughout the class. This course prepares students to take the Beer Judge Certification Program (BJCP) Entrance Exam and BJCP Judging Exam to become a BJCP Recognized Judge.

Prerequisite(s): CUL3092.

Offered at Charlotte, Providence

3 Semester Credits

**CUL4955 Old World Wine Exploration**

With a focus on practical sommelier skills training, this intensive four-week Study Abroad course gives students the opportunity to study wines from a region or country, providing a deeper understanding of quality factors in the making of wines within a cultural and historical context. Students develop wine service skills including food and wine pairing understanding. Participants engage in lectures and presentations provided by experts, augmented with excursions to regional wineries and wine cellars, and visits to local cultural sites. The embedded Wine & Spirits Education Trust (WSET) certification course and exam add extra value for students who earn this internationally recognized industry credential.

Prerequisite(s): BPA2720 or CUL2510 or FSM2055, sophomore status or department chair approval.

Offered at Charlotte, Providence

6 Semester Credits

**CULN1010 An Introduction to the Fields of Food, Food Service and Nutrition**

This survey course is intended to introduce students to an array of post-baccalaureate professional opportunities. Students are exposed to university alumni who have chosen both traditional and unique career paths after leaving Johnson & Wales University. Alumni provide examples of their experiences and offer insight for students interested in pursuing similar or adjacent professions. The ways in which students might better prepare for occupational, academic and credentialing opportunities, which they might be eligible for, after graduation are explored.

Offered at Charlotte, Providence

1 Semester Credit

**CULN2020 Applied Culinary Nutrition**

This course builds upon the student's foundational culinary skills and knowledge, while introducing the principles of applied culinary nutrition. Students are introduced to the practice of translating current nutritional recommendations into meals that excite the palate, while adhering to evidence-based nutritional parameters and the policies that some healthcare institutions must observe. The course focuses on the essentials of ingredient selection and preparation, food portioning, recipe modification and the fundamentals of specialized dietary requirements.

Prerequisite(s): Completion of all freshman culinary labs or BPA2720, CULN1010 (or concurrent), SCI1050.

Offered at Charlotte, Providence

3 Semester Credits

**CULN2230 Designing Healthy Desserts**

This course introduces how baking works through an understanding of the ingredients used in baking and pastry. Students run experiments in order to learn about ingredients and understand how ingredients change during production and interaction with other ingredients. In addition, this course presents methods to develop baked goods and desserts by creating new products that are healthier or by substituting ingredients in traditional desserts to make them conform to specific dietary specifications. The production focuses on modifying ingredients in desserts while retaining quality and visual appeal. Students are encouraged to utilize their knowledge of sound nutrition principles to develop original creations. The production covers all aspects of the pastry shop from basic baked items to more elaborate desserts.

Prerequisite(s): ((CUL1100, CUL1210, CUL1320, CUL1410) or BPA2720), SCI1050.

Offered at Charlotte, Providence

3 Semester Credits

**CULN2414 Cooking for Health and Wellness**

This course introduces the impact that diet has on health and wellness and addresses the socioeconomic and cultural barriers that often prevent the seamless integration of current and evidence-based nutrition into menu development. Students explore ways to apply theory to practice through experience-based culinary instruction. This course takes an interdisciplinary and collaborative approach to bridge knowledge-deficiencies that exist in traditional healthcare, dietetics and culinary education. The course attempts to directly impact both the nutritional and sensory appeal of the foods prepared for patients and clients while also addressing the fundamental culinary skills required to improve the future personal health of the students in the course. Both instructive and vocational components are incorporated, which are intended to improve communication and understanding around how nutrition and culinary fundamentals may impact public health, as well as improving the assimilation of appropriate nutrition in the food produced and menus developed by prospective healthcare team members.

Prerequisite(s): SCI1050.

Offered at Charlotte, Online, Providence

3 Semester Credits

**CULN3155 Vegetarian Cuisine**

This course focuses on the types and preparation of nutritionally balanced vegetarian diets. Students explore the importance of understanding why people choose vegetarian diets, including cultural and global perspectives, economics and health. Daily production focuses on the preparation of vegetarian dishes and meals that fit into three classifications: vegan, lacto and lacto-ovo vegetarian diets.

Prerequisite(s): CULN2020, CULN2230 or BPA2720.

Offered at Charlotte, Providence

3 Semester Credits

**CULN4155 Athletic Performance Cuisine**

This laboratory course emphasizes the importance of how food can enhance athletic performance and exercise recovery. The focus is on creating menus specifically geared for individual athletes, as well as the team training tables of various sports, to elevate and enhance overall sport and athletic performance. Students utilize their knowledge of applied nutrition and culinary arts to develop meals, snacks, sports beverages, and nutritional supplements for a variety of athlete types pursuing various sports under different exercise intensities, environments, and athletic performance goals.

Prerequisite(s): CULN3155, FSM2210.

Offered at Charlotte, Providence

3 Semester Credits

**CULN4165 Therapeutic Cuisine**

This capstone course requires students to apply their proficiency in culinary nutrition, critical-thinking skills and management theories to address the challenges faced by contemporary healthcare food service facilities. Focus is on the patient's dining experience while adhering to specific dietary requirements. Students create and execute therapeutic menus in addition to rotating through management positions found in today's institutional food service facilities.

Prerequisite(s): CULN3155, FSM2210, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**CULS2010 Introduction to Food Product Development**

This course introduces students to the terminology and basic practices in product development labs, test kitchens and culinary centers in the food and beverage industry. Focus is on the product development process from concept through commercialization, and the role of the product developer throughout this process. This includes an introduction to market research and sensory testing techniques, unit operations in food and beverage processing and packaging, quality assurance/quality control, and food regulations and labeling. Student groups research current trends, the needs of a particular target market, and topics in food and beverage processing and packaging. This course includes lecture, student presentations, group work, guest lecturers and use of the internet to research relevant topics and technologies.

Offered at Charlotte, Providence

3 Semester Credits

**CULS2210 Food Science**

This course emphasizes the scientific method and the chemical and physical changes that occur during preparation and processing of food products. The relationships between the chemistry of the major food components (carbohydrates, fats and proteins) and their functionality in food systems are examined. This course requires a laboratory research project that involves writing a research proposal, conducting primary and secondary research, conducting a consumer test, analyzing data, and writing a final laboratory report following the scientific method described in the course.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**CULS3015 Food Ingredient Technology**

This course provides an overview of major food ingredients and additives used in food product development. The various functionalities of these ingredients are investigated through the production and evaluation of various food products that align with consumer expectations. Students examine the legal definition of food ingredients and additives and outline the approval process for ingredients classified as such. Students apply Food and Drug Administration (FDA) laws and regulations when incorporating additives into food products.

Prerequisite(s): CHM1000, CHM1006, CULS2010 (or concurrent), CULS2210.

Offered at Providence

3 Semester Credits

**CULS3025 Food Processing**

This course provides students the opportunity to identify the appropriate food processing methods and equipment utilized in the manufacturing of food products. Practices that are important in a food manufacturing facility are explored to determine how different processing methods and packaging can affect the safety and quality of food products.

Prerequisite(s): CULS2010, completion of all freshman culinary or baking labs.

Offered at Providence

3 Semester Credits

### **CULS4035 Food Product Design and Development**

This capstone course applies the knowledge and skills acquired in major prerequisite courses. Students strengthen their laboratory skills working in teams, designing and developing a food product from concept through optimization. This course is taught within a kitchen that simulates the environment of a product development laboratory. Students complete sensory tests, accelerated shelf-life tests, competitive analyses and performance tests on products, as required. Students design and create product packaging labels that align with current food regulations. Additionally, students use spreadsheets to create formulas and generate costing information. At the completion of the course, students present their concepts, optimized products, packaging label and project reports to the university community.

Prerequisite(s): CULS2010, CULS3015.

Offered at Providence

3 Semester Credits

### **CYB1005 Introduction to Cyber Security Operations**

This course is designed to provide an introduction to the range of disciplines that are fundamental to protecting cyber assets in the modern world. Students learn what cyber security and operations are, how they have evolved over the past decades, and how the cyber security framework can be applied across a wide range of contexts and industries. This course also provides an introduction to the various technical and non-technical skills that are fundamental in the cyber security and operations field. Students are provided with academic foundations to pursue further study in the cyber field.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CYB2010 Computer Architecture with Assembly Language Programming**

This course is designed to provide students with an understanding of the relationship between hardware and software through the use of the machine and assembly language facilities. Topics include how simple statements translate into processor commands and how various types of storage and programming structures are implemented in the system. Program design, charting, coding, debugging, testing, execution and documentation are accomplished for all concepts that are introduced. Advanced understanding of the relationship between hardware and software is accomplished through the use of assembly language and higher level language (C programming language) facilities. Creating programs that interface with computer hardware is explored. Additional topics include using debug, decision structures, looping structures, addressing constructs, data types, program segments, memory models, subroutines, arrays, video, keyboard and file I/O, parallel processing, terminate-and-stay-resident programs, recursion, inter-language communication, device drivers and embedded programming concepts.

Prerequisite(s): CSIS1112.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CYB3001 Foundations of Digital Forensics**

This course introduces students to the principles of digital forensics. The essentials covered in this class include computer system storage fundamentals, operating systems and data transmission, computer network architecture, digital forensics best practices, proper evidence collection and storage, and federal rules and criminal codes. Upon successful completion of this class, the student is ready to proceed into more advanced and technical classes such as computer forensics, mobile device forensics, network forensics, and malicious code forensics.

Prerequisite(s): CSIS1101, CSIS2045, CYB1005.

Offered at Providence

3 Semester Credits

### **CYB3011 Software Reverse Engineering**

This course is designed to introduce students to the tools and process of software reverse engineering, and how to apply the tools and process for the purpose of discovering malicious code, reconstructing higher level code and documentation where none exist, discovering opportunities for improvement of existing code, and assuring the appropriate use of code.

Prerequisite(s): CSIS2045, CYB2010 or ENGN2014.

Offered at Charlotte, Providence

3 Semester Credits

### **CYB3023 Large Scale Distributed Systems**

This course is designed to introduce the principles and implementation techniques of distributed database systems and explore trends and issues concerning database application development. Students apply theory and practice by building a distributed database with web access.

Prerequisite(s): CSIS1112, CSIS2030.

Offered at Charlotte, Providence

3 Semester Credits

### **CYB3038 HCI/Usable Security**

This course focuses on how to design and build secure systems with human-centric focus. Basic principles of HCI (including the basics of humans' cognitive abilities, principles of usability, design techniques and evaluation methods) are discussed. Through professionally focused exercises, students apply these techniques to the design, building, evaluation and critique of secure systems, while developing security measures that respect human performance and their goals within the system. Focus is on authentication devices, password protection techniques, browsing security, social media and mobile device security.

Prerequisite(s): ITEC3050.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CYB3205 Malware Forensics**

This course introduces students to the fundamentals of malicious code and malicious code analysis. The student is introduced to actual malicious code samples and examines how they work and interact with vulnerable machines. The student learns how to perform basic analysis in an attempt to reverse engineer malicious code capabilities and to perform post-mortem forensic analysis on compromised machines. The student is also introduced to virtual machines and their important role in conducting malicious code forensic analysis in a safe environment.

Prerequisite(s): CSIS1112, CYB3001.

Offered at Providence

3 Semester Credits

### **CYB3220 Network Forensics**

This course immerses students into the world of network forensics. The essentials covered in this class include network forensics investigative methodology, network technical fundamentals, evidence acquisition, packet and flow analysis, network intrusion detection and analysis, and forensic reporting. Upon successful completion of this class, the student is ready to conduct real-world network forensic investigations in a laboratory setting utilizing industry-recognized tools and methodology.

Prerequisite(s): CYB3001, ITEC2081.

Offered at Providence

3 Semester Credits

### **CYB4010 Computer and Network Forensics**

This course introduces students to the nature of digital evidence, the tools and techniques used to acquire such evidence, and the practices used to preserve its integrity through the use of lectures and hands-on exercises. Students are also introduced to the process of testifying and ethics for the expert witness.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CYB4026 Cyber Intelligence**

This course examines the emerging stages to the current operational and political impact of cyber intelligence. Students explore a full range of cyber capabilities from exploitation, attack and defense. Students analyze and discuss several case studies that demonstrate the challenges and benefits of cyber intelligence to the cyber operations and security environment. This course demonstrates how cyber security and operations have changed the nature of intelligence collections, operations and analysis across the intelligence communities.

Prerequisite(s): CYB3038.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **CYB4032 Perimeter Protection and Vulnerability Assessment**

This course examines the threat from computer hackers and the countermeasures to protect against such attacks, including security policies, security hardware and software technologies, vulnerability analysis, security assessments, penetration testing, and vulnerability scanners. Topics include types of network security, varieties of attacks, fundamentals of firewalls, firewall practical applications, intrusion detection systems, encryption, virtual private networks, operating system hardening, defending against virus attacks, Trojan horses and spyware, security policies, assessing a system, security standards, and computer-based espionage and terrorism.

Prerequisite(s): ITEC3075.

Offered at Charlotte, Providence

3 Semester Credits

### **CYB4044 Active Cyber Defense and Countermeasures**

This course is based on the concept that current, traditional "boxed" defense solutions are no longer working and attackers are becoming more and more successful as a result. Emphasis is on new strategies for IT security professionals to be successful. Topics include tools for proactive defense, such as annoyance, attribution and attack.

Prerequisite(s): CYB4032.

Offered at Charlotte, Providence

3 Semester Credits

### **CYB4050 Exploitation & Incident Response**

This course introduces students to the arts and skillsets of traditional "Red" and "Blue" teams. Participants are immersed into worlds of computer exploitation and incident response, providing the unique experience of learning how to compromise a machine/network and then uncovering and documenting the evidence left behind. In addition, the course teaches the student to utilize a variety of open source tools to exploit weaknesses in a typical networked environment. The class introduces defense techniques aimed at common system/network weaknesses. Topics include physical security, social engineering, reconnaissance, port/network and vulnerability scanning, creating custom exploits, weaponizing documents, and anti-virus evasion.

Prerequisite(s): CYB3205, CYB3220.

Offered at Providence

3 Semester Credits

### **DATA5025 Tools for Data Analytics**

This course teaches students without a background in a database and/or statistical scripting language the concepts necessary to complete the graduate program in Data Analytics. This course delivers an understanding of core concepts of database and analytical programming. Students clean, manipulate and visualize data to solve problems utilizing tools such as SQL and R.

Offered at Online, Providence

3 Semester Credits

### **DATA5050 Data Management**

This course introduces students to data management by exploring the history of databases, database concepts and structures, the data project cycle, and data best practices. Students learn basic SQL skills to gain an understanding of what is possible with data and build on foundational database concepts. Throughout the course, focus is also placed on data ethics and its role in current business issues. Students demonstrate what is possible with data by completing a project utilizing learned data skills.

Offered at Online, Providence

3 Semester Credits

### **DATA5100 Statistical Analysis**

This course explores how statistics can be used as a powerful tool for data analysis. Students learn several statistical approaches while using programming language centered around statistics to work with real data. Students gain an understanding of the descriptive and inferential statistics and how they are key concepts in the quantitative analysis of data. Students demonstrate understanding of topics through practical use case scenarios.

Prerequisite(s): DATA5025 (or concurrent) or permission from the department chair.

Offered at Online, Providence

3 Semester Credits

### **DATA5150 Data Mining**

This course introduces the theories and tools for intensive data analysis methods and data-mining techniques such as rule-based learning, decision trees, clustering, and association rule mining. This course also covers interpretation of the mined patterns using visualization techniques and offers students an opportunity to gain the knowledge and experience to apply modern data-mining techniques for effective large-scale data pattern recognition and insight discovery. Data analysis software is introduced via currently used tools in the industry. In addition to expanding upon the earlier introduced approaches to discerning and validating patterns in data through sound applications of the scientific method, with a particular emphasis on hypothesis testing, the notion of statistical significance, and tests of difference, the goal of this course is to endow students with the fundamental data management, review, re-engineering, and exploration skills, as necessary data analytical competencies. Discussions include the main data-mining methods currently used, including data preparation, cleaning, testing, training, clustering, classification, association rule mining, decision networks, and other common data-mining algorithms and techniques.

Prerequisite(s): DATA5025 or permission from the department chair.

Offered at Online, Providence

3 Semester Credits

### **DATA5200 Data Visualization**

This course provides students with the tools and techniques to tell a story visually with data. Many analysts find great insights in the data but struggle to successfully deliver their message. The goal of this course is to provide a foundation to bridge that gap. Students learn visual perception and cognition concepts through the creation of powerful visualizations using tools like Tableau and Power BI. This is a project-based course, where students work with data from exploration to the creation of a dashboard that clearly delivers its intended message.

Offered at Online, Providence

3 Semester Credits

### **DATA5300 Big Data Analytics**

This course introduces students to the world of Big Data, a world in which websites, mobile phone applications, credit cards and many more everyday tools we use extensively collect a tremendous amount of information. Students learn about the history, current challenges, trends and applications of these massive datasets. They explore the specialized algorithms for Big Data analysis, mining and learning algorithms that have been developed specifically to deal with large datasets. Students learn about techniques used for managing Big Data such as cloud computing, map-reduce parallel computing, distributed file systems, No SQL databases, stream computing engines and other related technologies.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5350 Text & Web Mining Analytics**

In this course students dive into the critical intersection of text, programming, and actionable insights. Specifically, this course covers important topics in text mining, including basic natural language processing techniques, document representation, text categorization and clustering, document summarization, sentiment analysis, social network and social media analysis, probabilistic topic models, and text visualization.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

### **DATA5400 Introduction to Predictive Modeling**

This introductory course focuses on how to use predictive models to analyze data. Data in the real world involves elements of systematic patterns as well as uncertainty. The uncertainty may arise from missing information, measurement error or incomplete sampling of the population. Statistical modeling methodologies provide a set of tools for understanding data by incorporating assumptions and prior knowledge. These models are useful for supporting decision-making in many areas of computer science, including machine learning, data mining, natural language processing, computer vision, and image analysis.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

**DATA5515 Advanced Topics in Predictive Analytics**

In this advanced course in predictive analytics, students learn the basic theory of stationary processes, linear filters, spectral analysis, ARIMA models, forecasting and smoothing, models for trends and seasonal patterns, and autoregression and time series regression models. Hierarchically introduced methods start with terminology and exploratory graphics, moving to descriptive statistics, and ending with modeling, forecasting procedures and practical applications. Emphasis is on the practical application of time series models.

Prerequisite(s): DATA5400.

Offered at Online, Providence

3 Semester Credits

**DATA5550 Optimization Simulation**

Drawing upon previous coursework in predictive analytics, modeling, and data mining, this course provides a review of statistical and mathematical programming and advanced modeling techniques. It explores computer intensive methods for parameter and error estimation, model selection, and model evaluation. The course focuses upon business applications of statistical graphics and data visualization, tree-structured classification and regression, neural networks, smoothing methods, hybrid models, multi-way analysis, and hierarchical models. This is a case-study and project-based course with a strong programming component.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

**DATA5600 Research Methods in Data Analytics**

This course enables graduate students to develop problem-solving, critical thinking and decision-making skills that are important for professionals in all areas of data analytics. Students evaluate quantitative research methods and develop techniques to improve their understanding and evaluation of information. The course examines the research process from problem identification and hypothesis development to data gathering and analysis. Students review pertinent data and literature such as secondary sources, critical published materials, and focus on the nature of empirical research and the elements of research design. Particular attention is given to the student's perspective of the applicability of research to their data analytics careers.

Prerequisite(s): DATA5100.

Offered at Online, Providence

3 Semester Credits

**DATA5700 Data Analytics Capstone**

This capstone course challenges students to apply theoretical knowledge acquired throughout the program to a project involving actual data in a realistic setting. With faculty guidance, students collect and process data by applying suitable and appropriate analytic methods. Students identify the problem and methodological framework necessary to apply to recommended solutions. At the conclusion of the course, students communicate their findings by presenting to a select group of faculty and/or the client.

Prerequisite(s): Completion of 27 credits in program.

Offered at Online, Providence

3 Semester Credits

**DEE3999 Directed Experiential Education**

Directed Experiential Education (DEE) offers students an intensive, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a specific industry-based or functional-area-based project completed for a nonprofit or for-profit DEE partner. Through weekly group seminar meetings, extensive field work (independent and/or group-based) and purposeful reflection, students apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities, and refine critical thinking, problem-solving and active citizenship skills. The course culminates in a formal presentation to the DEE partner. This course is recognized as an Experiential Education (EE) course, indicating that experiential learning is used as a primary method of achieving the course objectives.

Prerequisite(s): Minimum of 57 credits and faculty recommendation.

Offered at Charlotte, Online, Providence

3-6 Semester Credits

**DEE6899 Directed Experiential Education**

Directed Experiential Education (DEE) offers students an intensive, semester-long, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a specific industry-based or a functional area-based project completed for a nonprofit or for-profit DEE partner. Through weekly group seminar meetings, extensive field work (independent and/or group-based) and purposeful reflection, students construct and appraise acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities, support critical thinking, and formulate problem-solving and active citizenship skills. The course culminates in a formal presentation and deliverables to the DEE partner, and is recognized as an "Experiential Education" (EE) course, indicating that experiential learning is used as a primary method of achieving the course objectives. Students can take up to three semesters of this course at 3.0 credits per semester.

Prerequisite(s): Faculty recommendation and approval by the department chair.

Offered at Providence

3 Semester Credits

**DIET1020 Introduction to Nutrition and Dietetics Professions**

This survey course is intended to introduce students to various nutrition and dietetics professions for those in pursuit of a career in nutrition. Students are provided with information regarding education, training, credentialing and licensure requirements for nutrition and dietetic career paths. Students also learn about the interdisciplinary industry and healthcare team members who work with nutrition and dietetics professionals.

Offered at Providence

1 Semester Credit

**DIET2020 Sports Nutrition**

This course provides an introduction to nutritional concepts that are unique to the needs of athletes. Students in this course learn about the impact of carbohydrates, fats, proteins and essential nutrients on an athlete's metabolism, health and performance. The class also stresses information not only for competitive athletes, but for other populations wishing to incorporate nutrition into a physically active lifestyle. Students design several diets that optimize performance based on topics addressed in this class.

Prerequisite(s): SCI1050.

Offered at Charlotte, Online, Providence

3 Semester Credits

**DIET2070 Lifespan Nutrition**

This course investigates the significance of nutrition throughout the lifecycle, including developmental stages, growth and aging. Students examine the role of specific nutrients in each life stage, from preconception through older adulthood. Meeting nutritional requirements as well as the relationship between nutrition and health throughout the human lifespan are emphasized.

Prerequisite(s): SCI1050.

Offered at Charlotte, Online, Providence

3 Semester Credits

**DIET3030 Nutrition Assessment**

This course introduces students to the scope of practice of the Registered Dietitian Nutritionist as well as the standardized nutrition care of patients. Students explore each step of the Nutrition Care Process, practice various assessment techniques, formulate nutrition problem statements, and implement terminology related to nutrition intervention, monitoring and evaluation. Focus is on the measurement techniques used to evaluate nutritional status and the application of medical terminology in patient health records.

Prerequisite(s): SCI1050, DIET2050 or DIET3080, sophomore status.

Offered at Providence

3 Semester Credits

**DIET3080 Community Nutrition**

This course examines the role of nutrition in promoting, maintaining and improving the health of individuals and groups in the community. The course provides students with a foundational understanding of the professionals, organizations and policies that influence community nutrition. Students are introduced to epidemiological research methodology, educational theories and other strategies in order to maximize their effectiveness while working with diverse and potentially vulnerable populations.

Prerequisite(s): SCI1050.

Offered at Charlotte, Online, Providence

3 Semester Credits

**DIET4030 Medical Nutrition Therapy**

This course familiarizes the student with the principles of medical nutrition therapy. The critical role of food and nutrients and their effects on various disease states is discussed. Students explore a variety of issues that may impact the management of existing diseases.

Prerequisite(s): BIO2041 or SCI2031, DIET3030, DIET2070 or DIET3050.

Offered at Providence

3 Semester Credits

**DIET4630 Advanced Medical Nutrition Therapy**

This senior-level course provides the student with advanced medical nutrition therapy (MNT) theoretical knowledge and clinical nutrition skills required for postgraduate programs and advanced degrees in nutrition. Students utilize critical-thinking skills in solving complex medical cases that require nutrition intervention. Students research and apply a variety of evidence-based clinical nutrition practices. Emphasis is on the critical role of utilizing the standardized Nutrition Care Process in all aspects of Medical Nutrition Therapy.

Prerequisite(s): DIET4030.

Offered at Providence

3 Semester Credits

**DIET5030 Introduction to Dietetics I**

This course is designed for students entering the M.S. in Clinical Nutrition & Dietetics program without a DPD verification statement. It prepares them for future courses by providing an overview of dietetics and the Nutrition Care Process (NCP). Students explore the scope of practice of the Registered Dietitian Nutritionist (RDN) as well as the principles of Medical Nutrition Therapy (MNT) and evidence-based medicine. Each component of the NCP (Assessment, Diagnosis, Intervention, Monitoring and Evaluation) is explored in-depth with an emphasis on nutrition assessment. Students are introduced to medical record documentation and electronic health records as well as interdisciplinary healthcare team members.

Offered at Providence

3 Semester Credits

**DIET5060 Introduction to Dietetics II**

This course presents the next steps for students entering the M.S. in Clinical Nutrition & Dietetics program without a DPD verification statement. It allows them to develop their knowledge and skills for future courses by continuing the principles of Medical Nutrition Therapy (MNT) for both acute and chronic health conditions. The critical role of food and nutrients and their effects on various disease states are examined and students are introduced to indications for nutrition support. Students explore a variety of issues that may impact the management of existing diseases as the interrelationships between nutrition-related diseases and current diet recommendations are explored. Students continue to use the Nutrition Care Process and practice MNT through the use of case studies.

Prerequisite(s): DIET5030.

Offered at Providence

3 Semester Credits

**DIET5350 Nutrition for Health & Wellness Experience**

This supervised experiential learning course provides hands-on opportunities in a variety of settings. Students apply principles of health and wellness, with emphasis on the relationship between nutrition and health, and nutrition and disease. The culmination of this course includes an opportunity for students to create a comprehensive wellness program that focuses on nutrition education and nutrition-related disease prevention.

Prerequisite(s): Corequisite: NUTR5300.

Offered at Providence

3 Semester Credits

**DIET5550 Nutritional Counseling and Education Experience**

This supervised experiential learning course provides an opportunity for students to apply counseling and education theory to classroom case studies, simulation, peer counseling, and real-world settings in the community. Students practice interviewing, counseling techniques, and developing client education materials appropriate for diverse audiences.

Prerequisite(s): DIET5350, Corequisite: NUTR5500.

Offered at Providence

3 Semester Credits

**DIET5600 Culinary Nutrition and Food Service Management**

This course provides hands-on laboratory experience in culinary nutrition skills and leadership principles in food service operations. The students assign responsibilities according to scope of evidence-based practice in specialized diets to measure quality and productivity and meet budget priorities. Food safety systems and food preparation techniques ensure safe and efficient delivery of food. Students use a matrix or measure to evaluate the need for financial, technical and equipment resources for the provision of safe food delivery.

Prerequisite(s): DIET5350, NUTR5300.

Offered at Providence

5 Semester Credits

**DIET5700 Current Topics in Nutrition Seminar**

This course covers special topics in food and nutrition. Students explore topics related to athletics and sports nutrition, maternal and child health, culinary nutrition, or other topics approved by the instructor. This course prepares students for their final capstone project and specialized experiential rotations in their final semester of study. Topics are researched from different perspectives incorporating new knowledge and knowledge obtained from prior coursework.

Prerequisite(s): NUTR5100, NUTR5200, RSCH5700.

Offered at Providence

1 Semester Credit

**DIET6150 Clinical Supervised Practice Experience I**

This supervised experiential learning course provides an opportunity for students to apply advanced clinical nutrition concepts through field rotations, while being precepted by Registered Dietitian Nutritionists (RD/RDN). Rotations may include clinical healthcare sites, community outreach and education, outpatient and ambulatory care, and food service management and operations.

Prerequisite(s): DIET5550, NUTR5100, NUTR5200, NUTR5500, Corequisite: NUTR6100.

Offered at Providence

3 Semester Credits

**DIET6450 Clinical Supervised Practice Experience II**

Students apply accrued didactic and hands-on knowledge in this final supervised experiential learning course, while being precepted by Registered Dietitian Nutritionists (RD/RDN). Rotations may include clinical healthcare sites, community outreach and education, outpatient and ambulatory care, food service management and operations or other sites. This experience culminates with a three-week rotation where students practice professional responsibilities under supervision but with greater independence. Students may be placed in a specialized rotation related to their capstone project or other areas of interest.

Prerequisite(s): DIET6150, NUTR6100.

Offered at Providence

9 Semester Credits

**DMSM1001 Introduction to Digital/Social/Mobile Media**

This course introduces students to the history of digital, social and mobile media and the unique characteristics of each. Students gain an understanding of the development of marketing objectives and strategies using such media; identify best practices, advantages and disadvantages of each platform; review emerging technologies and trends; and understand metrics and how to analyze and evaluate data. Students are required to participate in a high level of interactivity with social, digital and mobile media networks, forums, digital bulletin boards, blogs, wikis and more. Based on case studies, students analyze and make recommendations for successful digital, social and mobile media strategies.

Offered at Online, Providence

3 Semester Credits

**DMSM2025 Introduction to Data Visualization**

This course introduces students to the concept of data visualization. The course begins with an examination of the element of visual design and how it can effectively be used to present data. The psychology of human perception, decision-making and the identification of a target audience are explored. Students learn how to effectively use industry tools for live audience presentations. The fundamentals of storytelling are explored. Students learn the process of analyzing, shaping and presenting data for effective decision-making.

Prerequisite(s): FIT1040.

Offered at Charlotte, Online, Providence

3 Semester Credits

**DMSM2050 Spreadsheets for Data Analysis**

This course introduces students to the power of Excel and its ability to analyze. Focus is placed on data models, PivotTables, PowerQuery, PowerPivot and data visualization.

Prerequisite(s): FIT1040.

Offered at Charlotte, Online, Providence

3 Semester Credits

**DMSM4030 Senior Capstone**

This capstone course leads students through the assembly of a comprehensive presentation that demonstrates mastery of digital and social media marketing strategies. With faculty guidance, students plan and execute a digital/social media marketing campaign which is analyzed for its effectiveness. The action plan, which consists of the project plan, execution schedule, data collection methodology, analysis of findings, and conclusions/recommendations for a real product or service, is presented to a group of faculty and the client, if applicable.

Prerequisite(s): MRKT3085, senior status.

Offered at Online, Providence

4 Semester Credits

**DPT7050 Musculoskeletal Anatomy**

Knowledge of human anatomy and histology is essential for physical therapists to make clinical decisions regarding examination, evaluation, diagnosis and prognosis, as well as developing a plan of care for their patients/clients. This course is an in-depth study of the human body which includes human cadaveric prosection, live palpation on peers, and the use of lecture/discussion. Students apply the knowledge gained during this course to all subsequent physical therapy courses throughout the curriculum. Normal anatomy is examined in the context of its application to patient cases, to understand the complex interaction of human tissues (histology) and organ stressors (including environmental interaction, aging and disease processes) that result in physiological responses that may lead to impairments of the human movement system.

Offered at Providence

4 Semester Credits

**DPT7100 Foundations of Evidenced-Based Medicine**

This course provides students with the foundations of evidence-based medicine. Students learn to develop a well thought out, clear and answerable clinical question, conduct a literature search, interpret the literature and draw conclusions based upon their clinical question. Students familiarize themselves with the use of annotation and citation management software, as well as the tenets of experimental design and statistical testing as they relate to different types of clinical research. Students assess the quality of the experimental design and statistical analysis used in the articles they are consuming as evidence-based clinicians.

Offered at Providence

2 Semester Credits

**DPT7150 Physical Agents in Physical Therapy**

This course describes the fundamental principles, physiological effects and clinical reasoning skills in the safe and effective use of physical therapy modalities/physical agents. Students practice the application of commonly utilized physical agents including thermotherapy, cryotherapy, ultrasound, mechanical traction, light/laser as well as compression devices/techniques. Manual modalities including basic massage and soft tissue techniques, myofascial and trigger point release is also discussed/practiced.

Offered at Providence

2 Semester Credits

**DPT7200 Patient Mobility and Safety**

In this course, students master patient handling activities. At the conclusion of the course, students are able to demonstrate appropriate ways to efficiently and safely teach/perform bed mobility, patient transfers, patient guarding and gait training with/without a variety of assistive devices including manual wheelchair usage. Students develop skills ensuring the use of proper body mechanics and other strategies to avoid injury to themselves and/or their patients.

Offered at Providence

3 Semester Credits

**DPT7250 Exercise Physiology and Wellness**

This course enables the student to understand changes in strength, flexibility, endurance and balance over the course of a patient/person's lifetime. Key components of the course include applying concepts of neural adaption/plasticity as well as exercise dosing/loading with physiologic changes due to the aging/disease processes across the lifetime in order to achieve patient and therapeutic goals. The course provides students with an opportunity to explore health and wellness opportunities for the physical therapist.

Offered at Providence

3 Semester Credits

**DPT7300 Integrated Clinical Experience and Professional Development I**

The APTA Code of Ethics and Core Values for professionalism serves as the framework for all activities in this course. In addition to spending 15 hours engaged in on-campus professional development activities, students complete 48 hours of integrated clinical experience (ICE) at an off-site clinic in the outpatient orthopedic setting. The ICE experience includes observation of clinical care, participation with known evaluative techniques and treatment interventions, as well as opportunities to practice and develop interpersonal skills and professional behavior, under the supervision of a licensed physical therapist. During an orientation to the full-time clinical experience phase of the program, students submit clinical site placement requests and develop personal clinical learning objectives. Each student creates an online professional profile that will be made available to prospective clinical sites.

Prerequisite(s): DPT7250.

Offered at Providence

1 Semester Credit

**DPT7350 Spine Examination and Treatment**

This course prepares the student to practice entry-level orthopedic physical therapy in the region of the spine, including concussion and post-concussion syndrome. The course includes an in-depth analysis of the evaluation and management of musculoskeletal dysfunction in the region of the spine, including concussion and post-concussion syndrome, throughout the life span. Students critically review existing orthopedic assessment and intervention practices utilizing evidence-based literature combined with patient-defined goals and beliefs. This course emphasizes manual techniques such as mobilization, manipulation, Strain-Counterstrain, muscle energy techniques, and neural mobilization (for assessment and treatment) with evidence-based support. This course requires students to evaluate the patient as a whole, including screening for psychosocial factors, and utilize critical thinking in order to rule out conditions requiring referral to another provider in a direct access environment.

Prerequisite(s): DPT7250.

Offered at Providence

5 Semester Credits

**DPT7400 Extremity Examination and Treatment**

This course prepares the student to practice entry-level orthopedic physical therapy for the extremities. The course includes an in-depth analysis of the evaluation and management of musculoskeletal dysfunction for the extremities throughout the life span. Students critically review existing orthopedic assessment and intervention practices utilizing evidence-based literature combined with patient-defined goals and beliefs. This course emphasizes manual techniques such as mobilization, manipulation, Strain-Counterstrain, and neural mobilization (for assessment and treatment) with evidence-based support. This course requires students to evaluate the patient as a whole, including screening for psychosocial factors, and utilize critical thinking in order to rule out conditions requiring referral to another provider in a direct access environment.

Prerequisite(s): DPT7250.

Offered at Providence

5 Semester Credits

**DPT7450 Biomechanics**

This course complements the DPT Musculoskeletal Anatomy course. It presents students with a comprehensive theoretical framework for understanding normal and abnormal human movement patterns. The course is guided by the concept that in order to treat movement system dysfunction, it is first necessary to understand normal movement, motor control and coordination processes. Students learn the relationship between movement patterns in relation to an individual's functional anatomy, biomechanics, and surrounding environment. Motor control theory is incorporated into the ICF disablement model so that normal age-specific and disease-specific processes can be properly described. The course allows the student to gain a better understanding of aberrant movement patterns/strategies so that they will be better able to develop a comprehensive patient-centric treatment approach across a variety of age groups and conditions.

Prerequisite(s): DPT7250.

Offered at Providence

4 Semester Credits

**DPT7500 Diagnostic Imaging**

This course provides the student with an understanding of the capabilities, limitations and clinical implications of diagnostic imaging, including plain radiographs, computed tomography, magnetic resonance imaging (and its many forms), diagnostic ultrasound, and an introduction to electromyography. Students must identify the most appropriate diagnostic imaging test and, when indicated, order and interpret diagnostic images relevant in musculoskeletal assessment and management. Radiologic anatomy, normal variants, and pathological and traumatic conditions are reviewed.

Prerequisite(s): DPT7250.

Offered at Providence

2 Semester Credits

**DPT7600 Orthopedic Culmination and Comprehensive Practicum**

This is the first comprehensive practicum in the DPT curriculum. This course reviews and enhances content taught in semesters 1 and 2 in order to promote entry-level competency. Simulated patients are brought to life using case-based scenarios which require the student to perform a chart review, patient history including psychological and psychosocial screening, systems screening and physical examination. Students use this data to develop a physical therapy diagnosis and comprehensive treatment plan with appropriate progression. Students perform selected physical therapy tests and measures and interventions in order to demonstrate their mastery of evidence-based, entry-level orthopedic physical therapy in a practical setting. This process is designed to simulate the challenges students will face during their full-time clinical experiences. This practicum is the first step in certifying student readiness for their full-time clinical experiences. Students must successfully pass this practicum in order to continue in the curriculum.

Prerequisite(s): DPT7300.

Offered at Providence

2 Semester Credits

**DPT7650 Pharmacology for Physical Therapists**

This course provides the student with an entry-level understanding of pharmacology as it pertains to patients undergoing physical therapy. Emphasis is placed on the study of commonly prescribed drugs and their effects on the human body globally and at the tissue level. Students recognize common drug side effects as well as how the drug may influence their patient's response to physical therapy interventions. Students also learn the principles of pharmacokinetics, pharmacodynamics, dose-response relationships, administration routes, absorption and distribution, biotransformation and excretion, potential drug interactions and toxicology.

Prerequisite(s): DPT7300.

Offered at Providence

2 Semester Credits

**DPT7700 Essentials of Rehabilitation Technology**

This course provides instruction on the concepts and use of technology and its applications commonly found in rehabilitation settings. Students apply concepts of assistive technology that provide alternatives for physical and sensory access, communication, and learning. Students identify and utilize assistive technology to modify tasks or the environment through the application of universal design principles. Students identify barriers and potential solutions based on various case studies and real-life examples.

Prerequisite(s): DPT7300.

Offered at Providence

2 Semester Credits

**DPT7750 Cardiovascular, Pulmonary, Digestive and Endocrine Anatomy**

Students examine the anatomy and histology of the cardiovascular, pulmonary, digestive and endocrine system. Students explore pathological changes in these systems across the life span and their influences on the patient's ability to function and respond to physical therapy interventions.

Prerequisite(s): DPT7300.

Offered at Providence

4 Semester Credits

**DPT7800 PT for Medically Complex Patients**

Students develop an understanding of pathology underlying clinical disease states and involving the major organ systems across the life span. Epidemiological issues are presented and discussed. Principles of multi-system diseases, their prevention, treatment and rehabilitation are examined. Students are introduced to medical diagnostic procedures and their impact on physical therapy practice. In addition, evidence-based wound care solutions are discussed and practiced within the laboratory setting. Students learn to recognize pathology signs and symptoms that are considered "red flags" for serious diseases. Students use problem-solving skills and information about pathology to decide when referral to another healthcare provider or alternative intervention is indicated.

Prerequisite(s): DPT7300.

Offered at Providence

4 Semester Credits

**DPT7850 Medically Complex Culmination and Comprehensive Practicum**

This is the second comprehensive practicum in the DPT curriculum. This course reviews and enhances content taught in semesters 1 through 3 in order to promote entry-level competency. Simulated patients are brought to life using case-based scenarios featuring medically complex (multisystem involvement) patients who also possess orthopedic considerations. Students perform a chart review, patient history including psychological and psychosocial screening, systems screening and physical examination. Students use this data to develop a physical therapy diagnosis and comprehensive treatment plan with appropriate progression. Students perform selected physical therapy tests and measures and interventions in order to demonstrate their mastery of evidence-based, entry-level orthopedic physical therapy in a practical setting. This process is designed to simulate the challenges students will face during their full-time clinical experiences. This practicum is the second step in certifying student readiness for their full-time clinical experiences. Students must successfully pass this practicum in order to continue in the curriculum.

Prerequisite(s): DPT7300.

Offered at Providence

2 Semester Credits



**DPT8050 Integrated Clinical Experience and Professional Development II**

The APTA Code of Ethics and Core Values for professionalism serve as the framework for all activities in this course. In addition to spending 15 hours engaged in on-campus professional development activities, students complete 44 hours of integrated clinical experience (ICE) at an off-site clinic in the outpatient orthopedic setting, and four hours observing the delivery of physical therapy services in the medically complex setting. ICE experiences in settings outside of outpatient orthopedics may be considered based upon the student's interests and site availability. The ICE experience includes observation of clinical care, participation with known evaluative techniques and treatment interventions, as well as opportunities to practice and develop interpersonal skills and professional behavior, under the supervision of a licensed physical therapist. The student begins to understand their role as a member of the larger healthcare team, including the use of support personnel and physical therapist assistants, practice ethical decision-making, consider differential diagnoses based on evaluative findings, and suggest appropriate treatment progressions for non-complex patients.

Prerequisite(s): DPT7850.

Offered at Providence

1 Semester Credit

**DPT8100 Psychologically Informed Physical Therapy**

This course provides the student with a comprehensive look at the multidimensional nature of pain and physical disability, and how these factors influence the patient's function and response to physical therapy interventions. Particular emphasis is placed on pain neuroscience, pain assessment and measurement, the mechanism for conversion of acute pain to chronic pain, screening for psychosocial factors that may be contributing to chronic pain, and utilization of biopsychosocial pain management techniques such as cognitive behavioral therapy, mindfulness technique and pain neuroscience education. Select clinical conditions are examined. Class assignments and testing require students to model the elements of biopsychosocial care in simulated patient situations.

Prerequisite(s): DPT7850.

Offered at Providence

2 Semester Credits

**DPT8150 Neuroanatomy for the Physical Therapist**

This course presents an integrated approach to the general principles of organization and function of the nervous system (autonomic, peripheral and central systems). This course features an in-depth look at the human nervous system, through electronic media and cadaveric prosection, live palpation on peers and the use lecture/discussion. Normal anatomy is examined in the context of applying it to patient cases, to understand the complex interaction of human tissues (histology), physiology, pathophysiology and other stressors (including environmental interaction, aging and disease processes) that result in physiological responses that may lead to impairments of the human movement system. Students are introduced to clinical topics as they relate to neuroscience, including neurological testing, control of posture and balance, pain, muscle tone and spasticity, feedback versus feedforward control, reflex versus voluntary control, control of reaching and locomotion, perception and learning.

Prerequisite(s): DPT7850.

Offered at Providence

3 Semester Credits

**DPT8200 Motor Control**

This course introduces the science of motor control/motor learning, including the neuromotor processes that underlie normal and abnormal movement. Theories of motor learning and mechanisms for acquisition of skill are discussed. Neuromotor and neuropsychological research are investigated, and clinical implications are discussed.

Prerequisite(s): DPT7850.

Offered at Providence

2 Semester Credits

**DPT8250 DPT Elective**

Each student is granted the opportunity to complete up to four electives designed to facilitate their ability to explore physical therapy content areas of interest, beyond the standard curriculum. It can include the choice to obtain additional experience in one or two of the core physical therapy specialties and/or explore lengthier research projects. Students actively engage in applying basic and more advanced physical therapy knowledge, demonstrating and developing their clinical reasoning and communication skills to the evaluation, treatment, and management of common diseases and conditions encountered within the discipline or specialty chosen. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor, clinical instructor or their designee(s). This course can be repeated up to four times throughout the curriculum and can occur within semesters 4, 5 and 8.

Prerequisite(s): DPT7850.

Offered at Providence

2 Semester Credits

**DPT8300 Neurological Examination and Treatment**

This course provides students with information needed to identify, evaluate and treat neurologic diseases and disorders that are commonly seen by physical therapists. From a medical perspective, information includes disease/condition description, etiology, pathology, clinical signs and symptoms, diagnostic procedures, medical management, and precautions or special considerations pertinent to physical therapists. From a physical therapy perspective, specific standardized assessments, diagnostic modalities, evaluation and treatment strategies, techniques and approaches are addressed. The role of the physical therapist is addressed across treatment environments and across the time course or progression of the disease (acute through chronic).

Prerequisite(s): DPT7850.

Offered at Providence

5 Semester Credits

**DPT8350 Neuro Culmination and Comprehensive Practicum**

This is the third comprehensive practicum in the DPT program, which presents a case-based scenario that the student needs to bring from initial interview including screening for psychosocial factors, physical examination, assessment treatment plan development and progression, and the application of appropriate treatment interventions. Cases for this practicum feature orthopedic, medically complex, neurological patients, along with other comorbidities, which the student must address. Students prepare for this practicum by practicing skills in a laboratory setting while exploring the latest evidence-based literature in a classroom setting. Lab experiences are designed around patient cases to provide the student with "real-world scenarios" from which to learn and practice on their peers. This process is designed to be similar to what would be required of the student on their full-time clinical experiences. This practicum is the third step in certifying student readiness for their full-time clinical experiences. Students must successfully pass this practicum in order to continue in the curriculum.

Prerequisite(s): DPT7850.

Offered at Providence

2 Semester Credits

### **DPT8400 Integrated Clinical Experience and Professional Development III**

The APTA Code of Ethics and Core Values for Professionalism serve as the framework for all activities in this course. In addition to spending 15 hours engaged in on-campus professional development activities, students complete 48 hours of integrated clinical experience (ICE) at an off-site clinic in the outpatient orthopedic setting, and four hours observing the delivery of physical therapy services in the medically complex and/or neurologic setting. ICE experiences in settings outside of outpatient orthopedics may be considered based upon the student's interests and site availability. The ICE experience includes observation of clinical care and provides an opportunity for students to expand their ability to participate in evaluation and diagnosis, to provide patient/family education, and to deliver known physical therapy interventions to patients under the supervision of a licensed physical therapist. This course prepares students for engaging in the full-time clinical experience phase of the program by developing confidence in clinical practice, strengthening professional identity, and by reviewing performance expectations for full-time clinical experiences. Students synthesize a lifelong learning plan that is facilitated by the development of skills such as self-assessment and metacognitive thinking.

Prerequisite(s): DPT8350.

Offered at Providence

1 Semester Credit

### **DPT8450 Healthcare Management**

This course introduces students to the fundamental theories and skills of healthcare management for the physical therapist. This course develops and enhances the student's understanding of the healthcare system, the social and economic forces affecting the healthcare system, and its ability to function effectively. Additionally, the course prepares students to enter the workforce by introducing them to a variety of tools and experiences that enables them to manage organizations, programs, resources and people more effectively. Emphasis in this course is on national and state (Rhode Island and Massachusetts) policies and legislation, managing human resources, marketing, technology and information, accounting and finance, quality, and measuring performance. Students obtain an NPI number for use upon graduation, as part of the requirements of this course.

Prerequisite(s): DPT8350.

Offered at Providence

3 Semester Credits

### **DPT8500 Research Seminar I**

This course introduces students to the principles of clinical research. Scientific method and various research designs are presented and scrutinized for applicability and appropriateness. Students refine their ability to perform an effective literature review and critical review of the available research. The history and function of review boards for the protection of human and animal subjects are discussed. Students, Under the direct supervision of faculty, develop either a research question to be answered by performing a systematic review or design a primary research project, in collaboration with faculty, to be completed in Research Seminar II. All research proposed and conducted in the Physical Therapy department is subject to the rules, regulations and approval of the university's Institutional Review Board.

Prerequisite(s): DPT8350.

Offered at Providence

3 Semester Credits

### **DPT8550 Pediatric Physical Therapy**

This course enhances the student physical therapists' understanding, exposure, critical evaluation and integration of current best practice towards pediatric physical therapy clinical practice. The readings, class discussions and lectures focus on increasing the students' understanding of typical and atypical development, and how factors affect a child's motor performance. Application of theoretical principles of motor control and neurological development are emphasized in order to enhance understanding of typical motor development, as well as motor development in children with various impairments.

Prerequisite(s): DPT8350.

Offered at Providence

3 Semester Credits

### **DPT8600 Physical Therapy for Genitourinary Health**

This course introduces students to male/female genitourinary function and disease as it applies to the physical therapist. Emphasis is on evidenced-based outcome measures and physical therapy genitourinary tests/measures as well as physical therapy interventions to improve genitourinary function in both men and women.

Prerequisite(s): DPT8350.

Offered at Providence

2 Semester Credits

### **DPT8650 Comprehensive Skills Review and Qualifying Examination**

This course is a comprehensive curricular review of clinical knowledge and skills necessary for the students to successfully pass their full-time clinical experience courses. The skills review is followed immediately by a qualifying examination. The qualifying examination is a case-based scenario in which the student faces a simulate patient. The student is required to perform a chart/history review, thorough patient interview and physical examination. Students use this information to create a physical therapy diagnosis and prognosis. They then develop a comprehensive treatment plan with progression and demonstrate the application of appropriate treatment interventions based upon their diagnosis. Cases for this qualifying examination encompass content from across the curriculum and feature medically complex patients who may have orthopedic, cardiopulmonary and neurologic issues, along with other comorbidities, which the student is required to address. This is the final step in the process of certifying students as being competent to engage in their three full-time clinical experiences. Student must successfully pass the qualifying examination in order to continue in the curriculum and attend their full-time clinical experiences.

Prerequisite(s): DPT8350.

Offered at Providence

2 Semester Credits

### **DPT8700 Clinical Education Experience I**

This course is the first of three full-time clinical experiences in the DPT Program and runs during the final spring semester. Under the supervision of one or two licensed physical therapists, students practice and receive feedback while performing all elements of patient management in either a general practice ambulatory and/or non-ambulatory (i.e., acute care, inpatient rehab, SNF, or homecare) setting. Emphasis is placed on a consistent display of professional behavior, including demonstration of adult learning characteristics, as well as the ability to problem-solve and utilize evidence-based resources to guide clinical practice. Students participate in an online seminar in which relevant clinical issues are discussed.

Prerequisite(s): DPT8650.

Offered at Providence

12 Semester Credits

### **DPT8800 Clinical Education Experience II**

This course is the second of three full-time clinical experiences in the DPT Program and runs for a period of 13-weeks during the final summer semester. Under the supervision of one or two licensed physical therapists, students practice and receive feedback while performing all elements of patient management in either a general practice ambulatory and/or non-ambulatory (i.e., acute care, inpatient rehab, SNF, or homecare) setting, or with permission from the director of clinical education, in a specialty setting. Based on clinical site availability, and with permission from the director of clinical education, DPT8800, Clinical Education Experience II, and DPT9200, Clinical Education Experience III, may be combined into a 26-week clinical experience where the student may focus their clinical practice in a single clinical placement/setting. Emphasis is placed on a consistent display of professional behavior, including demonstration of adult learning characteristics, the ability to problem-solve and utilize evidence-based resources to guide clinical practice, and the ability to function effectively as a member of the larger healthcare team. In order to achieve a passing grade for this clinical experience, students are expected to achieve entry-level competence in all aspects of physical therapy service delivery while modeling professional and ethical practice. Students participate in an online seminar in which relevant clinical issues are discussed.

Prerequisite(s): DPT8700.

Offered at Providence

11 Semester Credits

**DPT8850 Research Seminar II**

Students complete the data collection and analysis for the project proposed in DPT8500, Research Seminar I. Students work with faculty and other university resources to begin the process of creating their first draft of their work for dissemination. During this course, students, assisted by faculty, determine the most suitable means of disseminating their results which will occur in the DPT8900, DPT Capstone course. Students utilize AMA format, unless another format is prescribed by the target journal or disseminating body.

Prerequisite(s): DPT8700.  
Offered at Providence  
1 Semester Credit

**DPT8900 DPT Capstone**

Students complete the formal write-up of their project using the format prescribed by their target disseminating body. Disseminating bodies must be in accordance with APTA guidelines and may include the annual JWU Physical Therapy Research Day, another university- or college-based Research Day, the RIAPTA conference, APTA conference(s) such as the Combined Sections Meeting or the Educator Leadership Conference, or other suitable conferences/events deemed appropriate by the faculty assigned to the student(s).

Prerequisite(s): DPT8700.  
Offered at Providence  
2 Semester Credits

**DPT9200 Clinical Education Experience III**

This course is the third and final full-time clinical experience in the DPT Program and runs during the first 13-weeks of the final fall semester. Under the supervision of one or two licensed physical therapists, students practice and receive feedback while performing all elements of patient management in either a general practice ambulatory and/or non-ambulatory (i.e., acute care, inpatient rehab, SNF, or homecare) setting, or with permission from the director of clinical education, in a specialty setting. Based on clinical site availability, and with permission from the director of clinical education, DPT8800, Clinical Education Experience II, and DPT9200, Clinical Education Experience III, may be combined into a 26-week clinical experience where the student may focus their clinical practice in a single clinical placement/setting. Emphasis is placed on a consistent display of professional behavior, including demonstration of adult learning characteristics, the ability to problem-solve and utilize evidence-based resources to guide clinical practice, and the ability to function effectively as a member of the larger healthcare team. In order to achieve a passing grade for this clinical experience, students are expected to achieve entry-level competence in all aspects of physical therapy service delivery while modeling professional and ethical practice. Students participate in an online seminar in which relevant clinical issues are discussed.

Prerequisite(s): DPT8900.  
Offered at Providence  
11 Semester Credits

**DPT9500 Licensure Review and PEAT**

This course provides the student a comprehensive didactic review of the curriculum in preparation for the board exam. Students are provided a board review course followed by a JWU DPT-sponsored practice exam and assessment tool (i.e., the PEAT test). Scores of 80% or higher on the PEAT indicate a high likelihood of passing the National Physical Therapy Exam (NPTE). Students who score above 80% are strongly encouraged to continue reviewing for the NPTE but may choose to take the NPTE at their own discretion. Students who score below an 80% on the PEAT may still graduate but are strongly encouraged to not sit for the NPTE until such time as they have been given and completed a student specific remediation/studying plan by the faculty. Students should reference the appropriate section of the Requirements for Progression In and Completion of the Doctor of Physical Therapy Program Policy.

Prerequisite(s): DPT8900.  
Offered at Providence  
2 Semester Credits

**ECON1001 Macroeconomics**

This course is designed as a general introductory course in economics covering the major elements of economic theory that apply to the overall economy. It is designated as the first of two introductory courses in economics. The various topics it covers include how the economy functions as a whole, the market system, national income, business cycles, the financial system, macroeconomic theories, monetary and fiscal policy, and international trade.

Prerequisite(s): MATH1002 or math placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ECON1002 Microeconomics**

This course consists of microeconomic principles and issues. Course content examines and analyzes demand and supply elasticities and efficiency of the market equilibrium. In addition, the costs of production and the four basic market models of firms' short-run and long-run operations are discussed. Other topics covered include pricing strategies, market failures and government policies to resolve them.

Prerequisite(s): MATH1002 or math placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ECON2010 World Economic Geography**

The purpose of this course is to provide an understanding of the economic resources at our disposal and the natural conditions under which the utilization of these resources may be achieved. Locations, characteristics, and relationships of economic activities are discussed and analyzed to permit better insight into these issues.

Prerequisite(s): ECON1001 or ECON1002.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ECON2011 Intermediate Macroeconomics**

This course is designed to be a comprehensive analysis of the economy as a whole. Topics covered are economic growth, unemployment, inflation, business cycles, as well as monetary and fiscal policy. An examination of economic theories of the long run and short run are also included.

Prerequisite(s): ECON1001, MATH1035, sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ECON2022 Intermediate Microeconomics**

This course is an in-depth analysis of how individuals and firms make decisions under conditions of scarcity. Topics examined are consumer choice, demand and supply, elasticity, cost functions, market structures, profit maximization, optimal pricing, game theory and market failures.

Prerequisite(s): ECON1002, MATH1035, sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**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.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ECON3070 Contemporary Economic Issues**

This course is a topical examination of current macroeconomic and microeconomic issues that impact the U.S. economy. Course content examines and analyzes topics such as government finance, health care, the environment, energy, poverty and welfare, social economic issues, the housing market, terrorism, casino gambling, and the stock market.

Prerequisite(s): ECON1001, ECON1002.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

### **ECON3120 Economics of Pandemics**

This course takes a broad view of pandemics that includes COVID-19 and other pandemics such as AIDS, SARS and Ebola epidemics and provides an economic analysis of these crises. It compares the policy responses across the world and over time to evaluate various tradeoffs and the roles played by the private and public sector in responding to these crises. The rules of pandemic economics provide a playbook for policymakers to manage future health crises.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **EDUC5070 Disciplinary Literacy in the Secondary Classroom**

Teacher candidates study the role of literacy in the teaching and learning process in the secondary classroom. They identify strategies to help their students access information, improve comprehension, and communicate effectively through reading, writing, speaking, listening and critical thinking. Teacher candidates develop lessons with an underpinning of the Understanding by Design framework that develop the literacy abilities of their students as well as the content-specific concepts and skills of their discipline.

Offered at Providence

3 Semester Credits

### **EDUC5130 Foundations for Teaching and Learning**

This initial course in the M.A.T. program provides students with foundational knowledge in learning theory, action research, and educational practices including the role of technology to build a broad understanding of learning and teaching in American schools today. Through course lectures, videos, readings, discussion and interactive activities, students examine a variety of issues including neurological and cultural factors that impact how students learn, characteristics of standards-based curricula, meeting the needs of diverse learners, the power of collaboration, and the purposes for formative and summative assessments. Students examine and utilize the Common Core State Standards in a data-driven school improvement project designed to give them a “big-picture” understanding of how teachers, administrators and community members use research, assessment and contextual data to inform practice and support student learning. Students examine the Rhode Island Professional Teacher Standards and the Rhode Island teacher evaluation system to support their emerging understanding of the professional, educational, legal and ethical responsibilities to students and their families.

Offered at Providence

3 Semester Credits

### **EDUC5145 Theoretical Foundations of Learning, Design, and Technology**

This course provides a solid foundation in theories that focus on how people learn, instructional strategies that support the learner and the use of technology to enhance learning. This course also introduces students to the communication and research skills needed to prepare them for success in their graduate studies and careers.

Offered at Online

3 Semester Credits

### **EDUC5170 Best Practices in Literacy Instruction**

This course explores the science of reading through an instructional framework designed to teach phonemic awareness, phonics, vocabulary/word study, reading fluency and reading comprehension. Students write lesson plans in each of these five areas of reading and implement lessons in class and/or field settings. Through course content and guided field experiences students learn strategies and best practices to teach reading, writing, speaking and listening skills. This course focuses on English Language Arts as an interdisciplinary and developmental process.

Offered at Providence

3 Semester Credits

### **EDUC5180 Curriculum Development for Culinary Arts Programs**

This course introduces students to current theories and models in curriculum design in the field of culinary education. Students explore and evaluate curricula currently used in both higher education culinary programs and in high school culinary programs. During this process, students identify an area of need or of interest in the field and construct program or unit curricula to improve teaching and learning outcomes. Students identify standards, formative and summative assessment measures, instructional strategies and resources for student achievement.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

### **EDUC5190 Teaching Financial Literacy**

Pre-service business education teachers learn various strategies for teaching secondary students the knowledge, skills and dispositions required for them to become independent adult consumers capable of making wise financial decisions for a lifetime of economic well-being. Emphasis is placed on supporting secondary students in managing their own personal finances by employing knowledge and critical thinking. Online tools and financial literacy resources are employed to research the most current data and information on personal finance topics such as savings, credit, investing, insurance, taxes, budgeting, banking and other important components of personal finance. Teacher candidates design lessons that connect to the Common Core State Standards and engage students in critical thinking, problem-solving and sound decision-making in the consumer financial enterprise. Participants observe, reflect on and implement lessons based on course content through related lab experiences.

Prerequisite(s): EDUC5230.

Offered at Providence

3 Semester Credits

### **EDUC5230 Strategies for Teaching Business**

This course provides aspiring business teachers with information and experiences that will help them develop and deliver effective instructional programs for students at the secondary level. Teacher candidates put instructional theory into practice in the areas of lesson planning, classroom instruction, management and assessment. In both class and fieldwork settings in high school classrooms, teacher candidates engage in planning, delivering and evaluating lessons, and providing feedback to support student learning in the business classroom. Discussion of readings, reflection on practice, and the use of technological advancements in the classroom setting enrich the learning experience.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

### **EDUC5240 Methods of Teaching Culinary Arts**

This methods course provides students with the knowledge of the principles and techniques of instruction as it pertains to the experiential classroom of culinary arts. Emphasis is on long-range and daily plans, methods, tools and skills of instruction. The organization of instructional materials and supplementary materials in order to accommodate special needs and individual differences among students in today's diversely populated secondary and post-secondary school classrooms is stressed. Participants observe, reflect on and implement lessons based on course content and through related lab experiences. Students are required to synthesize the content of the course, current research and best practices with their fieldwork experiences.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

### **EDUC5260 Strategies for Teaching Mathematics**

This course is based on best practices in level two and level three research for delivering mathematics instruction. Value is placed on thinking, reasoning, and communicating mathematically and making connections among mathematical ideas and real-world situations. All course content is connected to teacher moves based on the Ten Principles of Thinking Mathematics and student habits of mind based on the Eight Mathematical Practices. Participants observe, reflect, write and implement lessons based on course content through related lab experiences. Participants use protocols for looking at student work. This course provides an opportunity to deepen mathematical understandings and align instructional practice to Common Core Standards and Mathematical Language Routines.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

**EDUC5270 Advanced Methods of Teaching Culinary Arts**

This advanced methods course is designed to expand upon the course outcomes of Methods of Teaching Culinary Arts. Students apply their knowledge of the principles and pedagogies for teaching culinary/pastry arts skills in both a lab and classroom environment. Emphasis is placed on understanding how students think, learn, communicate, and perform culinary/pastry technical skills in the experiential culinary arts classroom. Students construct a standards-based unit using a backward design framework and teach a lesson or series of lessons from their unit. Self, peer and instructor feedback is used to strengthen their teaching practice.

Prerequisite(s): EDUC5240.

Offered at Providence

6 Semester Credits

**EDUC5280 Strategies for Teaching Science**

Pre-service teachers critically analyze and develop science curriculum that meets the needs of all learners using the Understanding by Design (UbD) framework. Teacher candidates review science content as they synthesize the Next Generation Science Standards to determine enduring understandings that are critical for real-world application. Emphasis is placed on the incorporation of the eight science and engineering practices within inquiry-based science experiences. Teacher candidates are required to demonstrate high levels of reflection to connect current research to observations in lab experiences.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC5315 Exploration of Teaching and Learning**

This course examines fundamental principles, beliefs and issues in teaching and learning. Participants explore these areas of inquiry to develop a vision of effective teaching that serves as the foundation for the M.Ed. in Teaching and Learning program at Johnson & Wales University. Emphasis is on the importance of developing accomplished practice and the potential of effective teaching to support significant student learning. Various educational and instructional theories, philosophies, practices and programs are explored to evaluate their role in contributing to accomplished teaching. Emphasis is given to the critical role of research and data to guide instruction and instructional planning. Through critical analysis, coursework and reflection, participants analyze and apply these understandings to their teaching context in a "classroom as laboratory" model.

Offered at Providence

4.5 Semester Credits

**EDUC5335 Culturally Responsive Teaching**

This course examines the learner and his/her role in the teaching and learning equation and how the teacher can impact the learning process. The focus of the course is on the interactive nature of teaching for learning in which the teacher continuously and proactively acts to support students and their learning. A major theme of this course is knowing students as individuals and how students' culture, backgrounds, strengths and challenges affect teaching and learning. Emphasis is also placed on knowing how students learn and the use of this knowledge to support student learning and design effective learning environments. Connecting these two threads is the essential role of the teacher to actively monitor and manage the learning environment and student learning. Through critical analysis and course work, participants analyze and apply these understandings to their teaching context to document their emerging mastery and use of strategies to support student learning.

Offered at Providence

4.5 Semester Credits

**EDUC5355 Standards and Curriculum Development**

This course examines the nature and roles of standards, standards-based learning, curriculum and instructional design. Emphasis is on identifying how standards support and inform student learning, the relationship between curriculum and classroom instruction, and the focus of the teacher in planning and designing effective learning experiences. An additional theme of the course is the teacher's crucial role as designer, producer, consumer and reviewer of curriculum and instruction. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging expertise.

Prerequisite(s): EDUC5315.

Offered at Providence

4.5 Semester Credits

**EDUC5375 Instructional Strategies and Resources**

This course examines high quality curriculum design with emphasis on instructional strategies and resources and their impact on student learning. Strategies and resources that effective teachers use to support students and their learning are explored, such as teaching as an iterative process, and matching instructional use of strategies and resources that are based on research, best practices, content, and student needs. Emphasis is also given to the essential role of reflection and revision, as effective teachers continuously monitor and learn from their practice. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging expertise with the selection and use of instructional strategies and resources.

Prerequisite(s): EDUC5315.

Offered at Providence

4.5 Semester Credits

**EDUC5400 Using Feedback to Support Learning in Culinary Education**

This course explores how assessment and resulting data are used to guide and inform instruction in the culinary classroom/kitchen. A major theme of the course is formative assessment as a tool to effectively monitor, respond to, and advance student learning. Participants examine how students think and develop skills in the culinary setting and design lessons that strategically use the formative assessment process to assess learning and guide instruction for whole class, small group and individual learners. In addition, participants explore and apply strategies that allow their students to use feedback to improve learning. Emphasis is given to the use of rubrics, grading practices and the effective use of technology strategies to assist in the process of formative assessment.

Prerequisite(s): EDUC5240.

Offered at Providence

3 Semester Credits

**EDUC5445 Strategic Assessment and Evaluation**

Instructional designers need to be able to develop assessments and evaluations that measure learning and performance improvement of different types of learners in various settings. This course teaches students how to develop assessment and evaluation tools that benefit learners within the higher education or corporate environments. Students become familiar with assorted assessment and evaluation models, application of models, and their outcomes. Course work culminates in the completion of a performance improvement plan where students design valid, fair assessment instruments to measure performance improvement.

Offered at Online

3 Semester Credits

**EDUC6120 Assessment for Student Learning**

This course explores how assessment and resulting data are used to guide and inform instruction. Students use formative assessment as a tool to effectively monitor, respond to, and develop student learning. Participants examine how students think and develop skills in their discipline and design lessons that strategically use formative assessment strategies to assess learning and guide instruction. Participants implement a lesson applying formative assessment and collaboratively reflect upon the lesson with peers in order to improve their practice. Emphasis is given to the use of rubrics, grading practices and the effective use of technology strategies to assist in the process of formative assessment.

Prerequisite(s): EDUC5130.

Offered at Providence

3 Semester Credits

**EDUC6230 Disciplinary Literacy in the Social Studies Classroom**

This methods course is designed to provide knowledge of how to design and teach an integrated study of social sciences and the humanities to promote historical understanding and civic competence among students. Emphasis is on instruction that facilitates the teaching of social studies content, skills, concepts and disciplinary literacy through daily and long-range planning aligned with the Understanding by Design framework, and the use of research-based, best-practice methods. The course also emphasizes the tools and skills of instruction and the organization of instructional and supplementary materials in order to accommodate the special needs and individual differences among students in today's diverse elementary school classrooms. Based on course content and collaboration with cooperating teachers, participants design a content area unit to be implemented during student teaching.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC6250 Coding, Apps, and Digital Collaborative Tools**

This course provides an understanding of digital collaborative tools and emerging technology in order to create authentic learning. It introduces programming and apps for student engagement for digital learners. Students learn about these various digital technologies and how to design and infuse them into their pedagogy. Through in-class, individual, hands-on instruction and team-based experiential learning, students incorporate these innovative tools into their classrooms to create purposeful curriculum design with 21st-century tools.

Prerequisite(s): EDUC5230.

Offered at Providence

3 Semester Credits

**EDUC6315 Assessment and Evaluation in Education**

This course examines the field of assessment, major issues and trends, and the impact of assessment on teaching and learning. Students explore the various types and purposes of assessments, and examine foundational concepts of the field, such as validity and reliability. Students look at a variety of large and small-scale assessment data and explore the use of data to inform curricular and programmatic changes.

Prerequisite(s): EDUC5375.

Offered at Providence

4.5 Semester Credits

**EDUC6335 Embedding Formative Assessment in Teaching Practices**

This course extends and deepens understandings about the impact of assessment on teaching and learning. The course focuses on assessment as a teaching and learning strategy as opposed to simply being a matter of testing and evaluating. A major theme of the course is formative assessment as a tool to effectively monitor, respond to, and develop student learning. Emphasis is also given to the use of learning progressions, rubrics, collaboratively examining student work and the student's role in assessing their learning. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context to document their emerging concept of assessment for learning.

Prerequisite(s): EDUC5375.

Offered at Providence

4.5 Semester Credits

**EDUC6355 Supporting Learners in a Challenging World**

This course examines the broad context of contemporary education. From issues of economic instability to the demands of college and career readiness, today's educators must support students who arrive in the classroom facing any number of family, mental health, economic and societal issues. Each course participant takes a deep dive into one issue to determine impacts on students and learning. Research in education and related fields is used to develop recommendations to support students academically, emotionally and socially, building skills and knowledge that lead to increased grit and resiliency. Students complete a case study to put their learning into practice. Through sharing research in this learning community, course participants benefit from each other's growing expertise.

Prerequisite(s): EDUC6315.

Offered at Providence

4.5 Semester Credits

**EDUC6375 Teaching: A Call to Action**

This course explores the multiple and critical roles accomplished teachers engage in and fulfill to support student learning and advance the goals of the larger educational community. The focus of the course is on how and why accomplished teachers, in addition to their instructional responsibilities, must act as learners, leaders and collaborators with their colleagues, the community and students' families to maximize learning and advance the culture of learning and teaching. In addition to examining these critical roles, participants demonstrate, share and reflect upon evidence of their emerging engagement in each. As the last course in the M.Ed. in Teaching and Learning, this course requires that degree candidates connect and synthesize learnings and central themes, which have evolved during their work in the program, to their ongoing efforts to be learners, leaders and collaborators. Through critical analysis and coursework, participants analyze and apply these understandings to their teaching context and develop a path for continuous future growth.

Prerequisite(s): EDUC6315.

Offered at Providence

4.5 Semester Credits

**EDUC6570 Classroom Management in the Culinary Arts**

The purpose of this course is to provide pre-service culinary/baking teachers with group and individual behavior management and instructional procedures that can be used in a variety of educational environments. Course content provides both theoretical understanding and practical application of strategies aimed at creating safe, encouraging and effective learning environments. Emphasis is placed on the use of evidence-based instructional procedures rather than the content (i.e., curriculum) of instruction, behavior and program evaluation, and core management principles. Specific focus is on the unique challenges and opportunities of the culinary/baking setting.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6610 Sustaining a Culinary Arts Program**

This course is designed to prepare students to sustain culinary arts programs in secondary and postsecondary settings. Through an examination of prototypes, case studies and existing programs, students evaluate features of culinary arts programs with respect to their structure, educational quality, funding sources and marketing strategies. Emphasis is placed on how these elements are interconnected and how programs can be made more sustainable through specific strategies. Students synthesize their findings and develop a fiscally sustainable program that meets the needs of students.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6910 Student Teaching Part 1: Elementary Education**

Students in this course spend 30 school days in a supervised teaching situation at a public elementary school (grades 1–6) or middle school (grades 4–6) site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC6920 Student Teaching Part 2: Elementary Education**

Students in this course continue the Student Teaching Part 1: Elementary Education placement in a supervised teaching situation at a public elementary (grades 1–6) or middle school (grades 4–6) site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6910.

Offered at Providence

3 Semester Credits

**EDUC6930 Student Teaching Part 1: Business Education**

Students in this course spend 30 school days in a supervised teaching situation at a public secondary school site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students may participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6120.

Offered at Providence

3 Semester Credits

**EDUC6940 Student Teaching Part 2: Business Education**

Students in this course continue the Student Teaching Part 1: Business Education placement in a supervised teaching situation at a public secondary school site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6930.

Offered at Providence

3 Semester Credits

**EDUC6950 Student Teaching Part 1: Culinary/Baking Education**

Students in this course spend 30 school days in a supervised teaching situation at a public secondary school site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students are required to demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students may participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6960 Student Teaching Part 2: Culinary/Baking Education**

Students in this course continue the Student Teaching Part 1: Culinary/Baking Education placement in a supervised teaching situation at a public secondary school site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6950.

Offered at Providence

3 Semester Credits

**EDUC6970 Capstone Part 1: Culinary/Baking**

Students in this course (and Part 2 of same) spend 15, 30 or 45 class days in a supervised teaching situation at Johnson & Wales University. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the JWU clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of all applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. In addition, along with the capstone faculty, each student designs and implements a culinary/baking curriculum capstone project that is research-based and tied to strong educational practice learned throughout the program. The scope of the project is tied to the length of the student teaching done as part of the overall capstone experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC5270.

Offered at Providence

3 Semester Credits

**EDUC6980 Capstone Part 2: Culinary/Baking**

Students in this course (and Part 1 of same) spend 15, 30 or 45 class days in a supervised teaching situation at Johnson & Wales University. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the JWU clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of all applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. In addition, along with the capstone faculty, each student designs and implements a culinary/baking curriculum capstone project that is research-based and tied to strong educational practice learned throughout the program. The scope of the project is tied to the length of the student teaching done as part of the overall capstone experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): EDUC6970.

Offered at Providence

3 Semester Credits

**EDUC7004 Research I**

This course prepares students to analyze, synthesize and apply research to educational issues and challenges in educational settings. Students draw on their professional experience in these settings to identify and analyze problems, formulate research questions, critique existing research, and use existing research to improve policies, programs and practices.

Offered at Providence

6 Semester Credits

**EDUC7011 Strategy & Change in Elementary and Secondary Education**

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. Students examine systems thinking and its application to education. 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 and emerging trends and on the social, economic and political issues that are crucial for higher education leaders in the 21st century to recognize and understand. Strategies and skills needed to bring about constructive change are studied and applied. The spectrum of postsecondary institutions is explored with reference to students, faculty, offerings, financing, policies, and such important issues as access, affordability, student success, academic quality and completion. A variety of information sources and mechanisms is used in this exploration.

Offered at Providence

6 Semester Credits

**EDUC7030 The Transformative Learning Environment in 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 influencing teaching and learning in higher education. Students engage in action research projects that are centered on typical problems in teaching and learning confronting educational leaders.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC7031 Organizational Theory and Behavior in Higher Education**

This course focuses on organizational theory, behavior, and collegiate culture as applied to higher education settings, with special emphasis on how leaders may influence change by developing a dynamic, holistic, systems approach to understanding and facilitating the work of the organization. Using organizational culture and theory as frameworks to view organizations, the course examines the complex relationships among individuals and groups, as well as team building, decision-making, conflict resolution, strategy, policy development, and administrative management styles. Organizational development and change theories are explored with regard to traditional and evolving patterns for organizing colleges to effectively meet current and future demands.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC7032 Organizational Theory, Behavior, and Development in Elementary and Secondary Education**

This course focuses on organizational theory, behavior and culture with special emphasis on how elementary-secondary leaders can affect change. Emphasis is on understanding the frameworks (political, symbolic, human resources and structural) that affect organizations and developing a systemic approach to facilitating the work of the organization. Coursework helps leaders re-frame existing organizations and review them from a different "lens" or perspective. This 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.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC7035 Teaching and Learning in Elementary and Secondary Education**

This course prepares 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. Students 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.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC8004 Research II**

Research II builds upon the content and skills acquired in Research I. The course prepares students to design and conduct qualitative and quantitative research addressed to significant educational issues and challenges in education settings. Students work in these settings to create research designs, collect and analyze qualitative and quantitative data, and derive/report findings and conclusions.

Prerequisite(s): EDUC7004.

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): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC8017 Strategic Fiscal Leadership in Elementary and Secondary Education**

This course focuses on the economics, politics and administration of school finance from both theoretical and practical perspectives. Emphasis is placed on the strategic planning, policy and procedural aspects of school funding, resource allocation and school plant management. This course examines the relationship between financial management, educational leadership and organizational change. The fiscal management concepts and techniques needed by educational leaders in order to plan, control and evaluate their operations effectively are similarly examined. Students investigate how school finance, budget, business management, asset protection, and facilities planning and management are vital to the teaching and learning process.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC8090 Leadership in Higher Education**

This course builds upon the knowledge, skills and dispositions that students have acquired from their previous doctoral coursework and professional experiences to address authentic issues in higher education leadership. 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, legal and ethical aspects of issues, on seeking appropriate research paradigms, and on defining leadership roles to facilitate realistic and creative change.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits



**EDUC8095 Leadership in Elementary and Secondary Education**

This course examines leadership theories and models and their application to educational reform in elementary-secondary education and related community organizations. Topics addressed include: leadership styles, organizational cultures, school change strategies, leadership behaviors, leadership standards, 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.

Prerequisite(s): EDUC7004.

Offered at Providence

6 Semester Credits

**EDUC8120 Family and Community Engagement in Elementary and Secondary Education**

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 schools as community centers are investigated.

Prerequisite(s): EDUC7004.

Offered at Providence

3 Semester Credits

**EDUC8150 The Contemporary College Student**

This course examines the intersection between the characteristics of contemporary student populations and the campus environments in which they operate – with a focus on how this intersection contributes to or detracts from their experiences and success in higher education. The course explores the ways in which higher education institutions support the students to ensure academic achievement, personal growth, persistence, and successful completion of their degree programs. The trends and changes in the demographics and characteristics of students who enroll in college are examined, along with current best practices for serving diverse student populations in all aspects of community life. Theoretical and research literature and current discourse on the college student experience from the perspective of various stakeholders are foundational to the learning. The course is guided by three questions: Who attends college today? What is each college's responsibility to their students to ensure their success and growth? And how does each college ensure that as a result of their experiences while in college, each student becomes a productive and contributing citizen of our world?

Prerequisite(s): EDUC7004.

Offered at Providence

3 Semester Credits

**EDUC8240 Law and Policy in Elementary and Secondary Education**

Students examine the relevant legal principles that affect the operation, organization and leadership of American public schools and gain knowledge about legal issues that support the use of effective and ethical engagement in leadership practices within the boundaries of constitutional, statutory and case law. Students examine the theoretical foundations (economic, political and institutional) to identify what influences, shapes and explains the development, implementation and evaluation of public policy.

Prerequisite(s): EDUC7004.

Offered at Providence

3 Semester Credits

**EDUC8270 Law and Policy in Higher Education**

This course examines current legal and policy issues in higher education, including policy, analysis, research and development, implementation, refinement, and monitoring mechanisms. Emphasis is placed on the use of policy as a tool for continuous improvement and development of higher education institutions and systems. The role of consultation with stakeholders in policy and regulatory development and refinement is stressed. The course emphasizes the knowledge, skills and attitudes relating to policy, the application of legal constructs and standards, and the understanding of governance structures and functions. Students learn about relevant statutory and case law for postsecondary leaders and policy makers with particular emphasis on employment, affirmative action, torts, public and private law, academic freedom, contracts, tenure, free speech, privacy rights, civil rights, due process, and student rights. Emphasis is placed on what postsecondary leaders need to know about the law and policy.

Prerequisite(s): EDUC7004.

Offered at Providence

3 Semester Credits

**EDUC9005 Doctoral Dissertation I**

Doctoral Dissertation I provides guidance and practical support for doctoral candidates in the initial phases of the dissertation project with emphasis on refining the problem of practice and grounding the study; developing a dissertation proposal; submitting an application to the JWU Institutional Review Board (IRB) for permission to conduct the study; completing the ELP External Review Process; completing any other ethical research practices and protocols in accordance with the protection of human subjects and informed consent procedures; piloting instruments for data collection; conducting data collection for the approved study; transforming the dissertation proposal into chapters 1 and 3 for the dissertation; and outlining/developing the literature review (chapter 2) for the dissertation. Workshops are provided on special topics related to data collection, instrument design and sampling strategies, as well as scholarly writing support and APA formatting/guidelines sessions.

Prerequisite(s): Successful completion of all required coursework at the 7000 and 8000 levels, passing score on Comprehensive Assessment.

Offered at Providence

6 Semester Credits

**EDUC9010 Doctoral Dissertation II**

Doctoral Dissertation II provides guidance and practical support for doctoral candidates in the final phases of the dissertation with emphasis on data collection, analysis, and presentation of the study findings, conclusions and recommendations. Workshops are provided on special topics related to data collection, instrument design, data analysis, as well as scholarly writing support and APA formatting/guidelines sessions.

Prerequisite(s): Successful completion of all required coursework at the 7000 and 8000 levels, passing score on Comprehensive Assessment.

Offered at Providence

6 Semester Credits

**EDUC9011 Doctoral Dissertation Advisement**

This noncredit-bearing course is provided to students after the third year to provide ongoing dissertation advisement and continuous enrollment.

Prerequisite(s): Successful completion of all required coursework at the 7000 and 8000 levels, passing score on Comprehensive Assessment.

Offered at Providence

0 Semester Credits

**EMGT5005 New Product Development**

The focus of this course comprises the factors to be considered when developing new products and/or technologies. Topics include the development of new product strategy and policy, product market strategies and market research, application of new product development processes, product development tools and metrics, and organizational issues associated with the product development process. Case studies are utilized to examine the five key phases in the NPD process, opportunity identification/selection, concept generation, concept/project evaluation, development and launch. Emphasis is placed on the role the product development/engineering manager has in leading product strategy and product development teams in the NPD process.

Offered at Online

3 Semester Credits

**EMGT5010 Engineering Leadership & Innovation Management**

The concepts, theory and practice in engineering leadership are introduced. Topics introduced and examined are team building, communication, leadership styles, ethical behavior, conflict resolution, and managing change as they apply in technical settings within a global business environment. Strategies to develop effective teams to achieve optimum results are examined. Methods for developing effective written and oral communication for product or process proposals are covered. Leading innovation and developing and managing creativity in the engineering design and development process is explored.

Offered at Online  
3 Semester Credits

**EMGT5020 Economics & Finance for Engineering Management**

This course is a survey of material relevant to financial decision-making for engineering management. Topics presented include financial statements, the budgeting process, financial forecasting, and economic planning for future growth or decline. The course introduces economic models and methods used in the analysis of decision-making by engineering managers.

Prerequisite(s): DATA5100.

Offered at Online  
3 Semester Credits

**EMGT6010 Engineering Decision Management and Risk Analysis**

This course covers the fundamentals of decision analysis and risk management with applications in engineering. Emphasis is placed on quantitative and qualitative tools (such as MS Excel Solver, Analytic Solver Platform, and decision trees). This course introduces decision modeling techniques by focusing on the development and analysis of models for a variety of engineering management problems and includes elements of decision problems and organizational use of decision analysis.

Prerequisite(s): DATA5100, EMGT5020.

Offered at Online  
3 Semester Credits

**EMGT6020 Engineering Management Capstone**

The engineering management capstone is a team-based multidisciplinary project that addresses an engineering management problem. The project requires the integration of principles, theories, methods and tools utilized and presented in the engineering management program coursework. Students analyze, synthesize and evaluate learned knowledge and create deliverables which include a written report and oral presentation to support the solution to the project problem.

Prerequisite(s): Completion of 12 credits of Engineering Management courses.

Offered at Online  
3 Semester Credits

**ENG0001 Writing Workshop**

Students are assigned to this course based on a placement test given prior to registering for ENG1020. In this course, taken in conjunction with ENG1020, students review focus, purpose, development and conventions to successfully respond to an on-demand writing prompt.

Offered at Charlotte, Online, Providence  
0 Semester Credits

**ENG1020 Rhetoric & Composition I**

This course introduces students to the skills required for college-level expository writing: critical reading, analysis, evaluation and synthesis. While gaining an understanding of college-level rhetorical theory, critical thinking and composing, students apply appropriate strategies and techniques to a variety of written communication tasks. A process approach empowers students to become flexible thinkers and problem solvers. Class work includes active participation in group discussion and peer critique workshops.

Course requirements include several multi-phase composition projects (with significant work on planning, revising and editing) and a final reflective analytical essay exam.

Prerequisite(s): ENG0001 with concurrency or placement.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**ENG1021 Rhetoric & Composition II**

Building on the strategies of rhetoric and composition introduced in ENG1020, students work both individually and collaboratively to create more complex and rhetorically advanced compositions. Students participate in writing workshops enabling them to engage critically with scholarly texts for problem-solving and to consider diverse rhetorical situations when composing academic and non-academic original works. Course requirements combine several multi-phase individual and collaborative composition projects.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**ENG1024 Honors Composition: Writing in the Academy**

This Honors composition course introduces students to academic writing by exposing them to various discipline-specific ways of knowing, all of which stress critical thinking, research skills and the writing process. Students gain access to multiple perspectives on issues that cut across the curriculum, allowing them to analyze, synthesize, and evaluate these issues in ways that promote academic rigor, readiness for success throughout their academic program, and the skills critical to writing an engaging Honors Thesis. Students will write summaries and analyses of individual readings, expositions of interdisciplinary approaches, and a proposal for a project that comprises an academic research paper and oral presentation.

Prerequisite(s): Honors status.

Offered at Charlotte, Providence

3 Semester Credits

**ENG1027 Honors Advanced Composition and Communications: Civic Discourse**

This advanced course in composition and communications builds on the skills developed in Honors Composition: Writing in the Academy (ENG1024) by introducing the element of civic discourse into academic writing in the disciplines. Having studied the conventions of academic writing in multiple disciplines, students now consider issues from the perspective of citizen-scholars. They examine controversial issues in the public sphere by studying rhetorical strategies of persuasion, and determining how classical rhetorical theories inform current socio/political debates. Students are required to participate in these debates as writers, researchers, and public speakers who can make effective persuasive arguments. The culminating assignment is a research/persuasive project comprised of an academic paper and a multimedia campaign.

Prerequisite(s): ENG1024 or English placement, honors status.

Offered at Charlotte, Providence

3 Semester Credits

**ENG1030 Communication Skills**

This introductory course focuses on communication skills essential to career and personal success. Emphasis is placed upon awareness of and adaptation to the audience, ethical responsibility and cultural diversity. Students progress in gradual stages, gaining an understanding of the communication process along with confidence and experience in numerous speaking, listening and small group interactions.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG2010 Introduction to Technical Communication**

Commonly defined as workplace communication that enables people to make decisions and perform tasks, technical communication spans a broad range of fields in which individuals and teams create a range of compositions including reports, proposals and instructions for a variety of audiences, purposes and circumstances. In this introductory course, students combine individual and collaborative work to advance their skill in analyzing rhetorical situations to enable planning and executing compositions for a variety of workplace audiences, purposes, and circumstances for delivery in multiple media.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG2030 Newswriting**

This course provides students with a practical overview of basic news and feature writing for a variety of fields. Emphasis is placed on the role of journalists in contemporary society, soft and hard news, editorials, leads, the inverted pyramid, accurate interview quotes, ethics and AP style, among other topics.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Online, Providence

3 Semester Credits

**ENG2100 Introduction to Linguistics**

This course provides an introduction to linguistics, the scientific study of language. Students gain an understanding of the core areas of linguistics including morphology, phonetics and phonology, syntax and semantics. Students explore the components of grammar and how to characterize language and become familiar with linguistic research.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**ENG2135 Honors Seminar: Voice to Power — Public Speaking and Civic Responsibility**

This course focuses on developing oral and written communication skills in the context of civic communication and communication in the public sphere. Students not only learn oral communication skills involving diction, body language, audience awareness and delivery, but also demonstrate understanding of rhetorical theory and analysis. Using memorable speeches from history and the current day, students identify the rhetorical strategies used and learn how to apply these skills to their own public speaking. Emphasis is on informative and persuasive speaking occasions and on learning from successful public speakers of past and present.

Prerequisite(s): Honors or SHARP status.

Offered at Providence

3 Semester Credits

**ENG2401 Creative Writing**

This course offers students the opportunity to practice various forms of expressive writing. Students study models and learn techniques for writing effective poetry and prose. Instructors may also incorporate drama into the course work. Most of the daily class periods consist of discussion, lecture, in-class writing and workshops of student writing.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3010 Technical Editing**

This course prepares students for the responsibilities of an editor of common technical documents such as manuals/instructions, websites, reports or proposals delivered in print or online. Topics include copyediting, substantive (comprehensive) editing, and document design for final production. The principle of contextual editing for a range of purposes and audiences is emphasized, as well as the role of the editor as a team member in organizational settings. The student's command of grammar, sentence construction, and style is advanced and refined.

Prerequisite(s): ENG1021 or ENG1027, ENG2010 or ENG2030.

Offered at Online, Providence

3 Semester Credits

**ENG3016 Advanced Business Communication**

This course prepares students to perform high-stakes written and oral communication tasks in organizational or entrepreneurial settings in a 21st-century global economy. Building on skills introduced in earlier composition and communication courses, students plan, compose and deliver documents and presentations for a diverse range of external and internal audiences. The course requires the highest level of professionalism not only in producing quality documents but also in interacting with external and in-house contacts.

Prerequisite(s): ENG1021 or ENG1027, ENG1030.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3030 Food Writing**

This course provides students with an opportunity to concentrate on food writing for cookbooks, magazines, newspapers and websites. In addition to becoming familiar with the genre, students are introduced to the protocol for getting published. Students learn how to develop and compose food features and restaurant reviews, as well as construct and edit recipes. Interview techniques, query letters and tailoring work to various publications are also taught.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3050 Travel Writing**

This course provides students with an opportunity to concentrate on travel writing for books, magazines, newspapers and websites. In addition to becoming familiar with the genre, they are introduced to the protocol for getting published. Students learn how to develop and compose travel features and guidebook entries. Interview techniques, query letters, and tailoring work to various publications are also taught.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ENG3130 Sports Writing**

This course provides students with the opportunity to pursue the evolving world of sports writing. Students explore the history of sports writing from its early days to its current incarnation. Students study the masters, past and present, and then produce their own articles in print and online. The course further covers the genre's societal significance and how new media have changed coverage. Course work includes lectures, writing workshops and critiques.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**ENG3150 Fashion Writing**

This course allows students to delve into the unique world of fashion writing, focusing both on the history and practice as they learn to craft compelling prose. Students explore past and current coverage, honing their journalism and multimedia skills, including blogging, photography and video. This course further examines the genre's role in popular culture and its commercial aspects. Course work includes lectures, writing workshops and critiques.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENG3210 Food Media Presentation Skills**

This course provides students the opportunity to develop media performance skills, specifically related to the culinary field, to effectively disseminate information and educate food and beverage consumers in the 21st century. Students are introduced to various forms of digital food media communication by analyzing and critiquing existing audio-visual media. Students also learn and practice food styling, writing and audio-visual performance techniques and are instructed in the creative and technical aspects of food media. This course affords students the opportunity to practice a variety of communication skills, including written communication (encompassing grammatical and organizational skills), oral communication (including content delivery, vocal dynamics and body language) and technical skills (including creating blogs and performing podcasts and video segments).

Prerequisite(s): ENG1021 or ENG1027, ENG1030.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENG3300 Literary Editing and Publishing**

This course combines the study of contemporary literary publishing and the practical skills of magazine production in literary creative arts. This course is a production class with the aim of producing a publication for public distribution, either hard-copy or electronically via a website or blog, thus providing students with the practical experience of producing a journal for a real-world audience that exists beyond the classroom. Focus is on improving students' artistic appreciation of writing, art and/or photography. Students are exposed to all levels of the editorial process with special attention given to soliciting and reviewing submissions of poetry, fiction, drama, creative essays and art; fundamentals of style; copy editing; proofreading; and the principles and practices of design. Additional benefits include experience in teamwork, project leadership, communications, analysis of literature and art, marketing, and technology. Students learn to use software such as Adobe InDesign and Adobe Photoshop, or make use of other online platforms to analyze noteworthy print and digital literary journals as their texts for the course.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

### **ENG4530 Advanced Food Writing: The Food Memoir**

This advanced course introduces students to food memoirs for discussion, analysis and evaluation. Students examine the relationship of food to a number of relevant issues (culture, history, politics, family) as described in the food memoir and write about their own food memories and experiences, exploring how those memories and experiences reflect and comment upon culture, society and contemporary issues.

Prerequisite(s): ENG2401 or ENG3030.

Offered at Charlotte, Providence

3 Semester Credits

### **ENG4602 Advanced Nonfiction Writing Workshop**

This course allows students to develop their habits and skills as critical readers and writers, reading extensively in contemporary nonfiction and writing in a variety of forms. 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, purpose and audience; working through a number of drafts, students further develop their skills as critical readers and thoughtful, careful writers.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

### **ENGN1015 Introduction to Engineering**

This first-year engineering course is designed as an introduction to engineering and the techniques and tools used in solving engineering problems. The engineering design process is utilized in the development of solutions to problems. Data analysis, formula construction and graphing techniques are developed through the use of software applications. Programming in MATLAB and Python are included. Individual as well as team problem-solving activities are required with written technical documentation. The nature of engineering ethics and professional responsibility are discussed and the impact of engineering solutions in a global, economic, environmental and societal context are addressed.

Offered at Providence

3 Semester Credits

### **ENGN2001 Digital Logic Design**

This course focuses on the fundamental theory of combinational and sequential logic, including the analysis and design of digital circuits. Topics include numbering systems, logic gates, Boolean algebra, minimization of logic functions, timing diagrams, flip-flops, finite state diagrams, counters and registers. This course includes the use of FPGA software and tools for minimization, simulation, and schematic capture of combinational and sequential digital circuits.

Offered at Providence

4 Semester Credits

### **ENGN2009 C Programming for Engineering**

This programming course teaches students the fundamental principles of programming and using the C programming language to solve engineering problems. Students are familiarized with the process of design and development of computer programs to solve engineering problems using standard strategies and techniques used in industry. Topics covered include how programs are structured, how arrays and strings are processed, and how files are manipulated. Students gain experience with industry-specific hardware to interface with their programs.

Prerequisite(s): ENGN1015.

Offered at Providence

4 Semester Credits

### **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): ENGN2101, ENGN2102, MATH2040.

Offered at Providence

3 Semester Credits

### **ENGN2025 Mechanics I: Statics**

This course is an introduction to the fundamental concepts of engineering mechanics. Topics include terminology, two and three dimensional force systems, determination of the resultant force of force systems, analysis of coplanar systems in equilibrium, centroids, and moments of inertia and friction.

Prerequisite(s): MATH1040 (or concurrent), ((PHY1011 and PHY1016) or (PHY2011 and PHY2016)).

Offered at Providence

3 Semester Credits

### **ENGN2035 Programmable Logic Controllers**

This course is an introduction to programmable logic controllers (PLCs). It focuses on how PLCs perform process control and motor control functions. Topics include PLC architecture, working principles, programming techniques, ladder logic programming, data manipulation, data highway, and various input/output modules and their interface for actuation signal control.

Prerequisite(s): ENGN2101, ENGN2102.

Offered at Providence

3 Semester Credits

### **ENGN2062 Artificial Intelligence**

This course introduces students to the basic concepts of artificial intelligence, including some applications. The course first introduces the different methods of representing knowledge and inference methods. It is then followed by the study of rule based expert system, fuzzy expert systems and artificial neural networks. There is also a brief introduction to the area of evolutionary computation and genetic programming. Basic method of shape recognition and classifiers may be discussed. Some probability theory and Bayesian analysis are also covered in the course.

Prerequisite(s): CSIS1020 or CSIS1101 or ENGN2009, MATH1030 (or higher).

Offered at Providence

3 Semester Credits

### **ENGN2085 Introduction to Embedded Systems**

This is an introductory project-oriented design course in embedded systems. Topics include embedded system architectures, memory systems and managements, sensors integrations, power managements, software development tools and platforms, and real-time operating systems.

Prerequisite(s): (ENGN2009 and ENGN2014 (or concurrent)) or (CSIS2023 and ENGN2014 (or concurrent)) or (CSIS2023 and CYB2010 (or concurrent)) or (ENGN2009 and ENGN2205 (or concurrent)).

Offered at Providence

3 Semester Credits

**ENGN2101 Linear Circuit Theory**

This course provides a firm foundation in DC and AC circuit analysis. Emphasis is upon the understanding and application of Ohm's law and Kirchhoff's Voltage and Current Laws in RC, RL and RLC circuits. Methods of linear systems analysis are introduced including Thevenin's and Norton's theorems and the superposition principle. The use of complex numbers and phasor analysis are used to analyze AC passive network circuits. The concepts of maximum power transfer, resonance and passive filters are also covered. Developing an ability to solve engineering problems to design, implement and test circuits to meet design specifications is a focus of the course.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: ENGN2102.

Offered at Providence

3 Semester Credits

**ENGN2102 Linear Circuit Theory Lab**

The course includes laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in ENGN2101 Linear Circuit Theory.

Prerequisite(s): MATH1040 (or concurrent), Corequisite: ENGN2101.

Offered at Providence

1 Semester Credit

**ENGN2205 Microcontrollers**

This course covers introductory and advanced topics in microcontrollers. Topics covered include microcontroller architecture, assembly instruction set, machine code, assembly and high level programming, subroutines, interrupts, basic microcontroller peripherals and co-processors. Various memory technologies and basic memory design for microcontrollers, the interdependence of hardware and software, input/output, and microcontroller applications development tools and platforms are studied.

Prerequisite(s): ENGN2001, ENGN2009.

Offered at Providence

3 Semester Credits

**ENGN3005 Operational Amplifiers and Linear Circuits**

This course focuses on the characteristics and application of operational amplifiers (OpAmps) The principles of feedback, open and closed loop operation, and inverting and non-inverting operation of operational amplifiers are explored as is the linear and non-linear operation of the OpAmp. Applications utilizing op-amps including its use as an integrator, differentiator, comparator and active filters are also included. Laboratory projects, both hands-on and simulation, are integrated to reinforce the theory presented in lecture with practical applications to determine device/component performance and operating conditions.

Prerequisite(s): ENGN2101, ENGN2102, MATH2040.

Offered at Providence

3 Semester Credits

**ENGN3022 Digital Image Processing**

This course introduces the basic elements of digital image processing. Emphasis is placed on the applications and practical aspects of digital image processing as well as their mathematical formulations and theory. This course involves intensive hands-on computer lab work using modern programming languages and packages. Topics in the course focus on image formations, image processing, image manipulation, and detection.

Prerequisite(s): CSIS1101 or ENGN2009, MATH1030 (or higher).

Offered at Providence

3 Semester Credits

**ENGN3025 Mechanics II: Dynamics**

This course introduces the fundamental concepts in kinematics and dynamics that are necessary to understand and analyze mechanisms and machines. Newtonian mechanics including kinematics and kinetics principles of rigid-body dynamics are introduced. Emphasis is on the analysis of bodies in plane motion.

Prerequisite(s): ENGN2025, MATH1040 (or concurrent), ((PHY1011 and PHY1016) or (PHY2011 and PHY2016)).

Offered at Providence

3 Semester Credits

**ENGN3045 Electricity & Magnetism**

This course is a study of the laws of electromagnetism including electrostatics, magnetostatics and electrodynamics. Maxwell's equations and the mathematical foundations of vector analysis are presented. The course also covers the basic topics in electronic communication: basic principles of antenna, signal transmission and reception; methods of modulations (AM, FM, PM, including DSB and SSB); and spectrum analysis of each method.

Prerequisite(s): ENGN2101, ENGN2102, MATH2043, PHY2022, PHY2026.

Offered at Providence

3 Semester Credits

**ENGN3053 Strength of Materials**

Introduction to the fundamental principles of strength, stiffness, and stability as they apply to mechanical components.

Prerequisite(s): ENGN2025, MATH1040.

Offered at Providence

3 Semester Credits

**ENGN3077 Fluid Mechanics**

This course is an introduction to topics in fluid mechanics. Topics include pressure, fluid kinematics, control volume analysis, dimensional analysis, differential analysis, and fluid flow inside piping.

Prerequisite(s): ENGN3025, MATH2040, ((PHY1011 and PHY1016) or (PHY2011 and PHY2016))

Offered at Providence

3 Semester Credits

**ENGN3100 Parametric Engineering Design**

This course explores the relationship between 2D representational drawings and 3D virtual and physical objects. Multi-view representation standards and techniques are presented and implemented through practice of traditional hand drawing. Parametric modeling software is employed to create virtual parts and assemblies from these drawings. Open-ended design problems are accomplished by utilizing multiple materials and methods of rapid prototyping, including laser cutting and 3D printing.

Offered at Providence

3 Semester Credits

**ENGN3150 Solid State Devices**

This course focuses on the characteristics and application of semiconductor devices in circuit design. The terminology, symbols, and applications of switching and rectifier diodes, Zener diodes, bipolar (BJT) transistors and Field effect (FET) transistors are examined. Circuit applications of power supplies, voltage regulation, small-signal amplifiers and power amplifiers are included.

Prerequisite(s): ENGN2101, ENGN2102, MATH1040, Corequisite: ENGN3151.

Offered at Providence

3 Semester Credits

**ENGN3151 Solid State Devices Lab**

This course includes laboratory project activities requiring design, simulation, implementation, measurement and testing of circuits to meet design specifications. Labs are designed to reinforce concepts discussed in Solid State Devices, ENGN3150.

Prerequisite(s): ENGN2101, ENGN2102, MATH1040, Corequisite: ENGN3150.

Offered at Providence

1 Semester Credit

**ENGN3180 Microelectronics Design**

This is a project-oriented design course. Topics covered include contemporary design methodologies, prototyping platforms, programmable devices, hardware description language, as well as design, verification, realizations of digital systems and their building blocks. This course also covers the process of development and prototyping of electronic systems starting from problem statement to final fabrication at system and board level.

Prerequisite(s): ENGN2085, ENGN2014 or ENGN2205.

Offered at Providence

3 Semester Credits

**ENGN3302 Robotics**

This course introduces students to the fundamental concepts and applications of robotics including the supporting disciplines of mechanics, motors, microprocessors, and the use of various sensors in robotic systems. Real-time programming and theoretical analysis of electrical, pneumatic and hydraulic servo control systems are covered as well as the theory and application of various sensors such as proximity, light, infrared, ultrasonic and vision. Students utilize microprocessor and microcontroller interfacing and engineering problem-solving skills in the creation of robotic projects in the course. Other topics of discussion and analysis include industrial applications in areas of automotive, semiconductor manufacturing, medical and aerospace.

Prerequisite(s): CSIS2023 or CSIS2050 or ENGN2009.

Offered at Providence

3 Semester Credits

**ENGN3303 Industrial Robotics**

This course includes an introduction to industrial robots, work cell integration, and manufacturing concepts with an emphasis on the implementation of Lean Manufacturing through design, integration and operation. Students explore how assembly line robots integrate into industrial production and how communications among Computer Numerical Control (CNC) machines, sensors, and pneumatic devices combine to make work cells. Simulated exercises and demonstrations reinforce the theory presented in lecture with practical applications.

Prerequisite(s): ENGN2101, ENGN2102, ENGN3302.

Offered at Providence

3 Semester Credits

**ENGN3355 Mechatronics**

This course introduces students to designing mechatronic systems. Topics include design of circuits with passive and active elements, communication between user interfaces and microcontrollers, integration of sensors and actuators, and control systems.

Prerequisite(s): ENGN2009, ENGN2035, ENGN2205.

Offered at Providence

3 Semester Credits

**ENGN4010 Configuration Management**

This course is an introduction to Configuration Management (CM) as a solution to engineering problems. Students are introduced to project management, change orders, documentation revision, product and project flow processes. Applications of CM are applied to the private corporate sector as well as to government agencies.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

**ENGN4030 Digital Signal Processing**

This course involves the study of Fourier analysis for discrete-time and continuous-time signals and systems, difference equation, Z-transforms, digital filter structures and transfer functions. Analysis of sampling and aliasing effects are also presented with design algorithms for IIR and FIR Digital filters. Digital signal processing functions are also discussed. In addition, the course covers selected, basic concepts in electronic communications such as the electromagnetic spectrum, modulation and demodulation, and transmission and reception of signals.

Prerequisite(s): MATH2001 or MATH2010, MATH2043.

Offered at Providence

3 Semester Credits

**ENGN4075 Robotics & Automation I**

This course introduces students to the concepts and applications of robotics and automation. The study of robotics includes the supporting disciplines of mechanics, motors, microcontrollers, various sensors and artificial intelligence. The course covers the concepts of work envelope, real-time programming, and the theory of electrical, pneumatic and hydraulic servo control systems. Also, the theory and application of various sensors including temperature, proximity, ultrasonic and vision sensors, the use of microcontrollers, microcontroller interfacing, and artificial intelligence in robotic systems are addressed. Concepts in automation are covered, including manufacturing systems and elements in work cell.

Prerequisite(s): ENGN3350 or ENGN3355.

Offered at Providence

3 Semester Credits

**ENGN4080 Robotics & Automation II**

This is a design course incorporating the material studied in the areas of mechatronics, artificial intelligence and computer vision. The course integrates areas of knowledge in microcontroller interface for data acquisition of discrete, digital and analog data, robot kinematics, sensor design and sensor interfacing, communication, basic concepts in navigation and real-time programming.

Prerequisite(s): ENGN4075.

Offered at Providence

3 Semester Credits

**ENGN4140 Capstone Design I**

This is the first design course in a two-course capstone design sequence. This is a project-oriented course in which engineering students participate as a member of an engineering design team to apply engineering principles acquired through their academic and project experiences to complete a project plan for a design project. The design project includes real-world constraints, engineering standards and codes, and the implementation of various hardware and software engineering and/or other science disciplines. Team members employ various interpersonal and research skills in executing the project plan which includes considerations for social, environmental, global impact, and other relevant factors. Student teams demonstrate proof of concept and prepare and deliver a written and oral presentation on the design proposal. Student teams work closely with faculty to regularly assess the progress of the project through interim reporting.

Prerequisite(s): ENGN3180, senior status.

Offered at Providence

3 Semester Credits

**ENGN4145 Capstone Design II**

This is the second design course in a two-course capstone design sequence. This course is a continuation of ENGN4140. This is a project-oriented course in which engineering students participate as a member of an engineering design team to apply engineering principles acquired through their academic and project experiences in the implementation and materialization of the design project and the building of a prototype. Student teams focus on various engineering tasks while executing project activities, including design of digital intellectual property for embedded systems, hardware and software design testing, implementation, validation, reviewing, refining, and demonstration of the results of project activities. Student teams document their final design solution (which includes real-world constraints, engineering standards and codes) in a written report and make a final oral presentation where they demonstrate a functional prototype. Student teams work closely with faculty to regularly assess the progress of the design project through interim reporting.

Prerequisite(s): ENGN4140.

Offered at Providence

3 Semester Credits

**ENTR2001 Introduction to Entrepreneurship**

This is an introductory course in entrepreneurship. The course demonstrates how entrepreneurs recognize business opportunities, develop ideas and identify markets. Students experiment with different methods of opportunity identification and ideation. Special focus is given to the application of design thinking to solve everyday problems. Students use this course to identify several alternative business ideas, assess their feasibility and choose the idea they wish to develop throughout their entrepreneurship studies. Students identify resources within and outside the university to help with their business development.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ENTR2005 Introduction to Cannabis Entrepreneurship**

This is an introductory course in entrepreneurship with a focus on the legal cannabis industry. The course demonstrates how entrepreneurs recognize business opportunities, develop ideas and identify potential gaps within the fast growing cannabis industry. Students experiment with different methods of opportunity identification and ideation. Special focus is given to identifying niches within the evolving market and developing scalable product lines. Students use this course to identify several alternative business ideas, assess their feasibility and choose the idea they wish to develop throughout their entrepreneurship studies. Students identify and engage with resources within and outside the university to help with their business development.

Offered at Providence

3 Semester Credits

### **ENTR2030 Pitching & Planning New Ventures**

This course teaches students how to develop and present a business plan to pursue the opportunities they identified in ENTR2001 or ENTR2005. Students conduct a business plan canvas to gather information and validate their ideas. Students utilize a web-based business-planning platform to help them organize and format their plans in a professional manner. Students prepare an executive summary, a 30-second elevator pitch and short presentation to "sell" their business concept to investors.

Prerequisite(s): ENTR2001 or ENTR2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3015 Small Business Management**

This course helps students put their business ideas into action by developing an operations plan and project schedule for new and existing small business owners. Classroom study focuses on the foundational aspects of running a new or existing small business, looking at operational, legal, risk management, and human resource issues throughout the start-up phase and the first few years of a business. Finance and Marketing issues are briefly addressed but will be studied in-depth in other courses. Project work focuses on drafting a project plan, and classroom learning is incorporated into the plan. Case studies that highlight the various challenges faced by new and existing small businesses are analyzed and discussed and creative problem solving is encouraged.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3025 Growth and Sustainability for Small Business**

This course covers the different methods emerging companies use to expand nationally and internationally. Emphasis is on the use of each strategy to accomplish growth and sustainability objectives and initiatives. Topics include methods for growing an emerging company, evaluating franchising systems, expansion tactics for small and large corporations, careers in emerging companies, and financing the expansion of a company. This course is relevant for any student interested in working as a change agent in an established company or starting and/or expanding his or her own company.

Prerequisite(s): ENTR2030 or ENTR3015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3030 Marketing for Entrepreneurs**

This course teaches future entrepreneurs how to market products and services effectively with limited resources. Entrepreneurs need to market to all constituents including customers, suppliers, lenders/investors and the community in which they operate. Students learn to interview potential customers, select their target market, construct basic web sites and social media pages and analyze marketing results. Special focus is placed on helping entrepreneurs build their brand.

Prerequisite(s): ENTR2030 or ENTR3015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3060 Financing New Ventures**

This course covers the financing of new business ventures. In this course students develop the financial portion of a business plan to include revenue estimates, expense projections, and an evaluation of their break-even point. Students construct professional Pro-Forma financial documents including the Income Statement, Balance Sheet, and projected cash flows. This is followed by a comparison of debt and equity financing options. Upon evaluation of the alternatives students recommend a financing plan for their business.

Prerequisite(s): ENTR2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR3120 Small Business Management — Cannabis Operations**

This course helps students put their cannabis business ideas into action by developing an operations plan and project schedule for new and evolving businesses. Classroom study focuses on the foundational aspects of running a new or evolving small business, looking at operational, legal, financial risk management, and human resource issues throughout the startup phase and the first few years of a new business in an emerging industry. Cannabis industry specific issues pertaining to finance and marketing are addressed and studied in-depth. Semester project work focuses on drafting a cannabis centered business plan, and classroom learning incrementally incorporates current cannabis industry issues into the plan. Case studies that highlight the various challenges faced by new and evolving small cannabis businesses are analyzed and discussed and creative problem solving is guided by the instructor.

Prerequisite(s): ENTR2005.

Offered at Providence

3 Semester Credits

### **ENTR4010 Change and Innovation Management**

This course explores the process of change and innovation as it relates to the development and implementation of knowledge to improve organizational competencies and enhance business performance. Change, both incremental and disruptive, is related to innovation through the analysis of its effect on the organization's ecosystem to include its customers, employees, suppliers, etc. Topics include knowledge as a meaningful resource and competitive advantage; the innovation gate process; the difference between a knowledge creation organization and an information processing one; change as an instrument of innovation; and the various concepts and strategies of change to include Lewin's Three Step Theory, Lippett's Phases of Change Theory and the Disruptive Innovation Theory.

Prerequisite(s): ENTR2030 or ENTR3015.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ENTR4055 Entrepreneurship Seminar**

In this Entrepreneurship capstone course, students are required to synthesize knowledge gained from previous coursework to finalize their business plan and prepare to launch their businesses. Students finalize their business plans, prepare to pursue financing for the businesses, and either launch their business, create an MVP (Minimally Viable Product) of their business, or run a meaningful market test in this course. It is a hands-on, action-focused course that enables students to make final preparations to launch their business upon graduation.

Prerequisite(s): ENTR2030 or ENTR3015 or ENTR3060.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **EQN1001 Introduction to Equine Studies**

This course covers a wide range of topics important to the fundamental understanding of the horse industry. Topics include the evolution, history and development of the horse; modern breeds and their current uses in sport; and equine identification. The roles of the psychology of the horse, learning theory, and equine behavior as they relate to the ethical training of the horse are explored. Students identify their personal and professional goals as they relate to careers in the equine industry.

Prerequisite(s): Corequisite: EQN1006.

Offered at Providence

3 Semester Credits

### **EQN1006 Introduction to Equine Studies Laboratory**

This laboratory companion course, coordinated with EQN1001, develops skills in barn management, including barn safety, basic horse handling and care, feeding practices, grooming, stall maintenance, waste management, and taking vital signs. Managerial skills in organizing and developing horse care schedules and records are explored. Students observe learning theories, how horses learn, and ethical training methods to shape horse behavior and performance in relation to stabled horses. Students work at a variety of off-campus sites during this course.

Prerequisite(s): Corequisite: EQN1001.

Offered at Providence

1 Semester Credit

### **EQN1030 Equine Anatomy and Physiology**

This course examines the structure and functions of the horse's body. Anatomy and physiology of cell, tissue, organ and systemic body structures are explored. Emphasis is placed on the musculoskeletal, respiratory, circulatory, endocrine, immune, digestive and urinary systems. Exercise physiology and the scientific conditioning of the horse for sports activities are studied with particular attention to sports medicine and the prevention of stress and injury of equine athletes.

Offered at Providence

3 Semester Credits

### **EQN1410 Collegiate Horseback Riding**

This course allows students to learn the fundamental skills and improve upon existing skills in the student's chosen horseback riding discipline, according to individual interest or background. The course consists of a minimum of 15 weekly horseback riding lessons at an approved/partner facility within the semester with concurrent registration in this course. Students choose from partner facilities offered through the Experiential Education and Career Services online platform and are responsible for fees paid to the partner for services. Weekly journals and reading are available on the ulearn course page. Through reflective assignments, students gain insight regarding their own riding.

Offered at Providence

1 Semester Credit

### **EQN2000 Equine Diseases and Conditions**

This course develops knowledge of the common diseases and disorders of the horse. Identification of disease-producing organisms, signs of illness along with knowledge of vaccination and common disease prevention schedules prepare the student to recognize and prevent health problems. Common pharmaceuticals, emergency health care, parasitology and anthelmintic programs are studied.

Prerequisite(s): EQN1030 or (EQN2020 and EQN2025).

Offered at Providence

3 Semester Credits

### **EQN2001 Foundations of Horsemanship and Riding Theory**

This course studies the history and development of horsemanship and classical modern riding theories. The early domestication and utilization of the horse is studied along with the development of horsemanship and riding theory from Xenophon through Caprilli. Modern classical horsemanship is studied including the biomechanics of the rider in a variety of disciplines. Competition regulations from the U.S. Equestrian Federation are discussed.

Prerequisite(s): EQN1001.

Offered at Providence

3 Semester Credits

### **EQN2030 Equine Lameness and Sports Therapy Laboratory**

This laboratory course introduces students to techniques and equipment used in assessing equine soundness and to methods and modalities of first aid, lameness management, and injury prevention. Skills essential to prevention, recognition and treatment of common unsoundness and blemishes are introduced and applied. Students practice lameness recognition and assessment as well as equine first aid techniques. Current therapeutic modalities are explored through demonstrations and discussions.

Prerequisite(s): EQN1030.

Offered at Providence

1 Semester Credit

### **EQN3001 Methods of Horseback Riding Instruction**

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. The role of therapeutic riding in the equine industry is discussed. Students further develop observational and critical thinking skills by attending relevant clinics.

Prerequisite(s): EQN2001.

Offered at Providence

3 Semester Credits

### **EQN3010 Equine Reproduction and Genetics**

This course is an advanced-level course in equine reproductive physiology and breeding management. Topics include the anatomy and physiology of the stallion's and mare's reproductive systems, conception, gestation, the birth process and care of the healthy and compromised neonatal foal. Techniques in artificial insemination, semen shipment and embryo transfer are studied. Field trips enable students to observe breeding and management techniques at selected farms and specialty reproduction veterinary clinics. Genetic inheritance of coat color and abnormalities pertinent to the horse breeding industry are studied.

Offered at Providence

3 Semester Credits

### **EQN3025 Equine Nutrition**

This course studies the science and art of feeding horses. Digestive anatomy and physiology are discussed and dietary requirements of both healthy and compromised horses analyzed. Hay evaluation, types of concentrates and by-product feeds are discussed. Students produce a ration formulation project for horses with various nutrient requirements.

Prerequisite(s): (EQN1001, EQN2020, EQN2025) or EQN1030.

Offered at Providence

3 Semester Credits

### **EQN3030 Equine Competition Management and Course Design**

This course covers the management of horse shows from selection of sites and types of shows to implementation of the general rules as outlined in the United States Equestrian Federation (USEF) Rule Book. Students develop a management plan for a competition from a division in the USEF Rule Book and actively participate in running a show, including facility preparation, development of a prize list, scheduling, scoring, and running a dressage and jumping competition. Weekend laboratories are scheduled to assist at competitions.

Offered at Providence

3 Semester Credits

### **EQN3040 Sport Horse Evaluation and Judging**

This course covers the relationship of form to function in the horse. Judging sport horses in hand with respect to conformation and movement is a major area of concentration. A competitive judging format is utilized to place classes of horses and provide written justifications. Performance horse judging emphasizes the basic gaits of the dressage horse and analysis of jumping technique. Ethical business practices of horse sales are discussed.

Prerequisite(s): (EQN1020, EQN1025, EQN2000) or EQN1030.

Offered at Providence

3 Semester Credits

### **EQN3280 Introduction to Equine-Assisted Services**

This course introduces students to the concepts and practices of Equine-Assisted Services (EAS). The history of the use of equines for therapeutic purposes is explored and current studies performed within the industry are examined. Ethics and confidentiality as well as standards for a variety of equine therapeutic programs and instructors are discussed. Volunteering and observing classes at a therapeutic riding, hippotherapy and/or equine facilitated learning center throughout the course provide students with firsthand experience and insight into the field of therapeutic horsemanship.

Offered at Providence

3 Semester Credits

### **EQN3290 Application of Equine-Assisted Services**

This course focuses on concepts and skills essential to teaching individuals with disabilities in professional Equine-Assisted Services (EAS) programming. Students explore teaching techniques and strategies based on the content learned in Introduction to EAS. Students create detailed lesson plans and assessment forms. The selection of therapy horses and equipment is examined and facility, volunteer and risk management are discussed. Students gain experience by observing therapeutic sessions and volunteering at therapeutic riding, hippotherapy and/or equine facilitated learning centers throughout the course.

Prerequisite(s): EQN3280.

Offered at Providence

3 Semester Credits



**EQN3350 Equine Facility Design and Operation Management**

This course covers a wide range of topics important to developing and managing an equine facility and maintaining a horse herd. Equestrian facility designs are analyzed and developed for efficient layout. Students create an operations plan based on the facility designed. The relationship between facility design, management practices, and their impact on environmental issues is explored.

Prerequisite(s): EQN2000.

Offered at Providence

3 Semester Credits

**EQN4050 Horse Farm Management and Business Planning**

This course emphasizes the business aspects of managing a horse farm and includes such topics as personnel, contracts, taxes, insurance, marketing and record-keeping. Horse equipment and services are discussed as they relate to management efficiency and environmental sustainability. Students participate in an extensive individual project on the development of an equine business plan.

Prerequisite(s): EQN3350, FIT1040.

Offered at Providence

3 Semester Credits

**EQN4087 Equine International Experience**

This course is designed to allow students to pursue advanced work in the equestrian discipline in an international setting. Students study at a selected host equestrian center in Germany to develop their riding skills using the 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, auction and breeding farms. Students should be riding at first-level dressage prior to application to this program.

Offered at Providence

3 Semester Credits

**EQN4115 Special Topics in Equine Studies I**

This course is designed to allow students to pursue advanced work in specialized equine studies topics, such as advanced teaching techniques, and advanced stable management strategies. The course may be a practical application of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Prerequisite(s): Permission of department chair.

Offered at Providence

1 Semester Credit

**EQN4145 Special Topics in Equine Studies II**

This course is designed to allow students to pursue advanced work in specialized equine studies topics; examples of potential topics: Advanced Teaching Techniques, Veterinary Techniques, and Advanced Stable Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Prerequisite(s): Permission of department chair.

Offered at Providence

3 Semester Credits

**EQN4215 Special Topics in Equine Studies III**

This course is designed to allow students to pursue advanced work in specialized equine studies topics; examples of potential topics: Advanced Teaching Techniques, Veterinary Techniques, and Advanced Stable Management Strategies. The course may be a combination of practical applications of knowledge and advanced research. All potential topics must be presented for faculty approval. Final presentation is required.

Prerequisite(s): Permission of department chair.

Offered at Providence

1 Semester Credit

**EQN4310 Equine Industry Experience**

This course exposes students to the diversified disciplines within the equine industry and equine-related professional specialties by visiting a region with a strong horse industry and experiencing it firsthand. Through direct contact with different aspects of the equine industry in a global setting, students develop goals that guide their future career paths in the equine industry. The course maximizes student potential by enriching them academically with experiential and work-integrated learning. This trip promotes global citizenship, community engagement and networking through exposure to many international aspects of the equine industry.

Prerequisite(s): Acceptance into Study Abroad program.

Offered at Providence

1 Semester Credit

**EQN4410 Equine Behavior and Training**

This course develops an understanding on equine ethology and ethical trainings techniques. Students study the effects of anthropomorphism, non-associative learning, and associative learning and how these topics influence horse behavior and training. The scientific principles of equitation science and their influence on horse well-being and biomechanics during training are explored. Observation of training principles takes place on field trips.

Offered at Providence

3 Semester Credits

**ESL1110 Beginner Level Oral Communication for Academic Purposes**

This course provides students with the opportunity to build aural/oral skills and confidence at the beginner to advanced-beginner level. Students use text and audio materials to develop vocabulary and speech patterns and practice basic dialogs. Discrete listening is reinforced through exercises.

Prerequisite(s): Placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1120 Beginner Level Grammar for Academic Purposes**

This course introduces present, past and future forms of verbs, including the verb "be." Other grammatical components include nouns and pronouns, prepositions of location, and sentence structure.

Prerequisite(s): Placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1130 Beginner Level Reading for Academic Purposes**

This course provides students the opportunity to develop reading skills and an awareness of context clues. Students are introduced to skimming and scanning skills while increasing their vocabulary and comprehension.

Prerequisite(s): Placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1140 Beginner Level Writing for Academic Purposes**

This course presents the elements of composing, revising and editing paragraphs on a variety of topics using a process writing approach. Sentence construction, syntax and punctuation are emphasized. Students are introduced to critiquing paragraphs using model rubrics. Constructive feedback through peer and teacher conferencing is provided.

Prerequisite(s): Placement exam.

Offered at Online, Providence

6 Semester Credits

**ESL1210 Intermediate Level Oral Communication for Academic Purposes**

This course provides students the opportunity to develop language, vocabulary and listening, and note-taking skills. Students create presentations with a focus on topic choice and idea development. Through classroom discussions, students also begin to apply critical-thinking skills to formulate and express their own opinions and explore their own and other points of view on a variety of relevant topics.

Prerequisite(s): Successful completion of ESL1110 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1220 Intermediate Level Grammar for Academic Purposes**

This course reviews simple and progressive forms in present, past and future tenses and introduces the perfect in present and past tenses. An introduction to modals as well as a variety of structures such as clauses and question format are included. Through pair work, group work and grammar exercises, students work on perfecting their oral and written grammatical abilities in order to become more fluent in the English language.

Prerequisite(s): Successful completion of ESL1120 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1230 Intermediate Level Reading for Academic Purposes**

This course allows students to practice intermediate reading skills so they are able to read more accurately and fluently. Students learn to read from a critical perspective. In addition, students focus on understanding new vocabulary in context and vocabulary building. The basic elements of fiction are introduced.

Prerequisite(s): Successful completion of ESL1130 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1240 Intermediate Level Writing for Academic Purposes**

This course develops students' ability to create, revise and edit paragraphs, essays and business documents using a process-writing approach. Students are introduced to using outside sources. In addition, students utilize and enhance APA format. Peer and teacher conferencing provides constructive feedback.

Prerequisite(s): Successful completion of ESL1140 or placement exam.

Offered at Online, Providence

6 Semester Credits

**ESL1310 Advanced Level Oral Communication for Academic Purposes**

This course focuses on communication skills essential to academic success. Emphasis is placed on developing listening skills critical to understanding classroom lectures as well as developing the ability to present information clearly in academic presentations and classroom communication. Concepts from thematic units and outside research are critically integrated into discussions.

Prerequisite(s): Successful completion of ESL1210 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1320 Advanced Level Grammar for Academic Purposes**

This course develops students' grammar skills through contextualized exercises. Emphasis is on developing grammatical structures used in students' academic studies. Instruction begins with an overview of the verb tenses followed by use of the verb forms in various grammatical structures. Grammatical skills are reinforced in both spoken and written form.

Prerequisite(s): Successful completion of ESL1220 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1330 Advanced Level Reading for Academic Purposes**

This course prepares students for graduate academic reading and reading for research purposes. Using a variety of materials from textbooks, professional articles and journals to fiction and non-fiction books, students build comprehension skills and engage critically with the readings. Vocabulary building and application are also emphasized.

Prerequisite(s): Successful completion of ESL1230 or placement exam.

Offered at Online, Providence

3 Semester Credits

**ESL1340 Advanced Level Writing for Academic Purposes**

This course provides students with the skills necessary to compose, revise and edit essays, summaries and business documents, as well as to collaborate on work using a process-writing approach. Emphasis is placed on various academic rhetorical strategies including narrative, comparison/contrast, cause and effect, and/or problem/solution. Research techniques and APA documentation are utilized. Constructive feedback through peer and teacher conferencing is provided throughout the course.

Prerequisite(s): Successful completion of ESL1240 or placement exam.

Offered at Online, Providence

6 Semester Credits

**ESS2010 Kinesiology**

This course provides an introduction to the structure and function of the human body. It is designed to be a first course for exercise and sports science majors and to provide a foundation for more advanced courses. Topics include the neuromusculoskeletal, cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This course emphasizes the study of human posture and movement, specifically focusing upon the musculoskeletal system and dynamics of stability and mobility.

Prerequisite(s): Corequisite: ESS2015.

Offered at Charlotte, Providence

3 Semester Credits

**ESS2015 Kinesiology Laboratory**

This is a laboratory companion course coordinated with Kinesiology (ESS2010) that introduces students to techniques and equipment used in kinesiology. Students take an inquiry-based, self-guided learning approach to the discovery of the structure and function of the human body with emphasis on the neuromusculoskeletal, cardiovascular, pulmonary, gastrointestinal and genitourinary systems. This lab emphasizes the study of human posture and movement, specifically focusing upon the musculoskeletal system and dynamics of stability and mobility. Additionally, this laboratory course provides students with the opportunity to practice laboratory safety, design experimental procedures, collect data, analyze results and discuss conclusions.

Prerequisite(s): Corequisite: ESS2010.

Offered at Charlotte, Providence

1 Semester Credit

**ESS2320 Exercise Physiology**

This course examines the human body's physiological response to acute physical activity and its adaptations to chronic exercise training. The course addresses how major body systems, including nervous, endocrine, cardiovascular, respiratory, skeletal and muscular, function in cooperation with energy production to support physical activity and exercise. Also included is the role of exercise in maintaining a healthy body composition and weight, and how physical activity and exercise act to improve physical fitness and overall health and wellness over the long term.

Prerequisite(s): BIO1011, BIO1016, BIO1022, BIO1026.

Offered at Charlotte, Providence

3 Semester Credits

**ESS3010 Exercise Assessment and Prescription**

This lecture and accompanying laboratory course introduces the concepts of health screening and various types of exercise and fitness assessments needed to implement short- and long-term fitness programs for healthy populations. Many of the concepts and topics in this course help to prepare students to take the American College of Sports Medicine (ACSM)'s Certified Exercise Physiologist (EP-C) Exam, but this is NOT considered to be a preparation class for that exam.

Prerequisite(s): ESS2010, ESS2015, ESS2320, Corequisite: ESS3015.

Offered at Charlotte, Providence

3 Semester Credits

**ESS3015 Exercise Assessment and Prescription Laboratory**

This is a laboratory companion course coordinated with ESS3010 Exercise Assessment and Prescription. Students conduct and interpret clinical and field assessments in the areas of health screening, body composition, cardiorespiratory fitness, muscular fitness and flexibility. Students in the class serve as subjects for other class members in order to facilitate learning.

Prerequisite(s): ESS2010, ESS2015, ESS2320, Corequisite: ESS3010.

Offered at Charlotte, Providence

1 Semester Credit

**ESS4010 Human Performance**

This course and its accompanying laboratory component explore the theory and practice of human performance. The course is designed to provide a comprehensive overview of the principles of human performance. Emphasis is placed on the human body's reaction to advanced training methods, exercise technique, program design, and testing and evaluation. Students also explore the principles of supervising a safe training environment according to National Strength & Conditioning Association (NSCA) guidelines. Many of the concepts and topics covered in this course help to prepare students to take the NSCA's Certified Strength & Conditioning Specialist (CSCS) exam, but this is NOT considered to be a preparation class for that exam.

Prerequisite(s): DIET2020, ESS3010, ESS3015, Corequisite: ESS4015.

Offered at Charlotte, Providence

3 Semester Credits

**ESS4015 Human Performance Laboratory**

This is a laboratory companion course coordinated with ESS4010 Human Performance. Students learn and practice techniques and coaching instruction for resistance training, plyometric, speed mechanics, aerobic and nontraditional exercises for human performance. Students conduct and interpret various methods to analyze sport performance, including timing gates, video analysis, and the use of GPS technology. Students in the class serve as subjects for other class members in order to facilitate learning. Students also explore the principles of supervising a safe training environment according to National Strength & Conditioning Association (NSCA) guidelines. Many of the concepts and topics covered in this course help to prepare students to take the NSCA's Certified Strength & Conditioning Specialist (CSCS) exam, but this is NOT considered to be a preparation class for that exam.

Prerequisite(s): DIET2020, ESS3010, ESS3015, Corequisite: ESS4010.

Offered at Charlotte, Providence

1 Semester Credit

**ESS4030 Exercise for Special Populations**

This course builds on the skills learned in Exercise Assessment and Prescription and extends those skills to meet the needs of populations across the lifespan and individuals with controlled cardiovascular, pulmonary, metabolic and other disorders. This course provides practical information on exercise for persons with a wide range of special diseases and disabilities. An overview of each unique condition, effects of the condition on the exercise response, effects of exercise training on the condition, and recommendations for exercise testing and programming are presented in a selected topics format.

Prerequisite(s): ESS3010, ESS3015.

Offered at Charlotte, Providence

3 Semester Credits

**EVNT1001 Introduction to Event Management**

This course introduces students to the event management field. The historical development and organizational structure of the event industry are discussed. Focus is on acquiring knowledge pertaining to the breadth and depth of the event industry including social life cycle events, corporate, private and nonprofit. The course is also designed to provide first-year and transfer students in the Event Management program educational experiences and information about university resources and academic tools available to them that will help support academic success at JWU.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT2020 The Business of Event Management**

This course introduces students to the methods utilized in researching, planning, organizing and delivering sustainable major events. The roles of global events in sub-fields such as sports, tourism, entertainment, celebrations, civic and hallmark events are also explored.

Prerequisite(s): BUS1001 or EVNT1001 or FSM1001 or HOSP1001 or SEE1001 or SPM1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT2210 Event Technology & Access Management**

This course investigates the new and emerging trends in event technology and access management. Students explore the event technology that helps planners complete tasks pertaining to their work as event organizers. Types of event technology include, but are not limited to, event management software, mobile event apps, credentialing, ticketing software and event analytics. The role technology plays in event access management to provide the attendees with a safe and secured event is also explored.

Prerequisite(s): EVNT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT3005 The Business of Meeting Management**

Meeting management is a significant branch of the event industry. This course investigates the importance of researching, planning, promoting, executing and evaluating for-profit and nonprofit meetings and conventions. This course examines the necessary business, content development, budgeting, contracts, marketing, public relations, transportation, and management skills needed to produce effective events within the meeting industry. Students explore the process of obtaining, building and retaining internal and external stakeholders necessary to meeting overall company goals and objectives. Additionally, the course examines the future of meetings and career opportunities.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT3030 Fairs and Festivals**

Fairs and festivals are significant recurring hallmark community events that become synonymous with a destination. Fairs and festivals represent tradition, image and attractiveness to a town, city or region. This course investigates the importance of fairs and festivals to local culture and arts, economic development, sociocultural and environmental outcomes and stakeholder relationships. This course examines the unique event planning aspects to meet stakeholder and community goals in the global marketplace. Additionally the course examines future trends in the fair and festival industry.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT3050 Global Mega Events**

This course explores the lure of hosting mega events and examines the bidding process, the involvement of governing bodies, and the plan for legacy and leveraging of the host nation. Students are exposed to the political, economic, sociocultural and environmental impact associated with hosting a large-scale event. Events such as the Olympic Games, the World Cups, World Expos, bicentennials, global music festivals, concerts and other civic and hallmark events are analyzed. The culmination of the course is a trip to an international destination where students engage with key stakeholders from the host nation.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**EVNT3220 Sales and Business Development**

This course examines the sales strategies used to leverage relationships and satisfy the needs of the consumer in the event management industry. Emphasis is placed on the integration of relationship-centric best practices in the design of an event in the areas of human resources, supply chain and client needs. Additionally, the importance of developing an internal culture of business development and relationships are explored.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT4025 Event Sustainability**

This course examines sustainability issues and standards as they relate to the events industry. Students analyze current environmental, social and economic practices within the events industry. Students design effective sustainability plans to integrate into a public or private event. Students develop impactful sustainable practices and analyze the proposed solutions within the various segments of the event industry. Corporate social responsibility and the impact of sustainability on international events are discussed.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT4110 Advanced Event Production: Special Events**

This advanced course is designed to explore the complex area of event management. This class analyzes large scale events and their impact on a global media audience. The course provides students with a basis for using research as a tool to organize and plan a special events project. This class works toward the understanding of practicing and executing the elements of successful project management and logistics. This is a project-based course and requires the execution of a successful event.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**EVNT4120 Advanced Event Production: Trade Show**

This advanced course is designed to explore the complex area of event management. The course provides students with a basis for using research as a tool to organize and plan a trade show. This class works toward the understanding of practicing and executing the elements of successful project management and logistics. This is a project-based course and requires the execution of a successful trade show event.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

**EVNT4130 Advanced Event Production: Concert**

This advanced course is designed to explore the complex area of event management. The course provides students with a basis for using research as a tool to organize and plan a concert. This class works toward the understanding of practicing and executing the elements of successful project management and logistics. This is a project-based course and requires the execution of a successful concert event.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

**EVNT4250 Contemporary Issues in Event Management**

This course examines the operational and strategic issues in the event management industry through directed case studies, round-table discussions and industry-related readings. Students critically evaluate case studies exploring topics related to event management in areas of event strategy, financial management, event operations, stakeholder development, event design, marketing, and other event topics.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV2000 Finance**

This course is an introduction to the fundamental principles of finance, with a focus on financial statement analysis and decision making. The course encourages active learning through cases, class discussion and problem-solving. Students use traditional financial statements as well as managerial financial reports for use in learning essential decision-making processes. Major topics include financial statement analysis, fundamentals of risk and return, time value of money, various budgeting models, and alternative forms of financing. Excel and other decision support tools are used extensively throughout this course.

Prerequisite(s): ACCT1210 or ACCT2150, FIT1040 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV2140 Financial Markets and Institutions**

The purpose of this course is to provide the student with knowledge of a broad range of topics related to financial markets, capital markets, the nature and functions of money and credit, the role of monetary policy, and the role and functions of financial institutions. This course emphasizes the factors and key ratios in analyzing financial institutions, including the CAMELS approach. Types and functions of markets and institutions of today are discussed, along with their differences. Money creation, the demand for money and the relation of money to inflation and financial flows, the role and functions of financial institutions, and consumer financing and business capitalization are each examined. This course emphasizes the changing role of competitive financial institutions, the effects of these changes on the flow of funds, and the Federal Reserve System's monetary policy implementation to regulate and control money and financial institutions. Real-world examples are used to focus student learning to applications of theory and consequential economic impacts both nationally and internationally.

Prerequisite(s): ECON1001, FISV2000.

Offered at Online, Providence

3 Semester Credits

**FISV3001 Investments**

This course introduces students to investing and financial planning. Topics include the nature of capital markets and the roles that investment companies play between the investor and the corporation. Different asset classes, including equities and bonds, are covered. The role of the financial planning process, taxes and regulations are also considered.

Prerequisite(s): FISV2000.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3005 International Finance**

This course provides students with an overview of international banking and finance. Topics include the international dimensions of finance, foreign exchange rates, international sources of funds, international banking regulations, and the contrasts between European, Asian and American banking.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3010 Credit Risk Analysis and Management**

This course examines the role of credit and analyzes its impact on the economic and social environments. Both consumer credit and business credit are studied in-depth, with emphasis placed on sources and uses of credit, credit reporting and credit analysis.

Prerequisite(s): ACCT1210.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3015 Fundamentals of Financial Planning**

This course introduces students to the financial planning process, client/planner interactions and personal financial statements development and assessment. Topics include cash flow and debt management, education planning, planning elements of risk management, investment planning and retirement planning. This course is specifically of interest to those students who wish to pursue careers as financial planners.

Prerequisite(s): FISV2000.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3080 Financial Statement Analysis**

This course includes the analysis and interpretation of external financial statements for various business entities as seen through the eyes of professional investors and creditors. The course explores various analytical techniques including comparative financial statement, trend and ratio analyses.

Prerequisite(s): ACCT2210, FISV2000.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FISV3199 Experiential Education Projects in Financial Modeling and Valuation**

This course provides students with the skills and knowledge required to be successful in today's fast-paced and highly regulated financial environment. In this course, students develop a comprehensive three-statement financial and valuation model using various supporting schedules. Students complete advanced Excel, financial modeling and valuation training. Students develop leadership and collaborative abilities and refine critical thinking, problem-solving and active citizenship skills. The course culminates in a formal presentation. This course uses experiential learning as a primary method of achieving the course objectives.

Prerequisite(s): FISV3001.

Offered at Online, Providence

3 Semester Credits

**FISV4010 Bank Management**

This course examines the banking industry from the perspective of both a bank customer and a bank manager. Focus is on policies developed and procedures used to make decisions on providing loans to businesses and consumers. Additional topics addressed include risk management, interstate banking, technological advancements and the regulatory environment.

Prerequisite(s): FISV3005.

Offered at Providence

3 Semester Credits

**FISV4015 Fundamentals of Estate Planning**

This course focuses on the efficient conservation and transfer of wealth, consistent with the client's goals. It is a study of the legal, tax, financial and non-financial aspects of this process, covering topics such as trusts, wills, probate, advanced directives, charitable giving, wealth transfers and related taxes.

Prerequisite(s): FISV3015.

Offered at Online, Providence

3 Semester Credits

**FISV4020 Risk Management and Insurance**

This course provides an understanding of the procedures and concepts of risk management as a precedent to the study of insurance, which is an important tool in risk management. The balanced treatment of both risk management and insurance provides a broad introduction to the field. Students learn risk identification, analysis, measurement, control and financing, and study insurance markets, functions, coverage and benefits.

Prerequisite(s): ACCT1210.

Offered at Online, Providence

3 Semester Credits

**FISV4025 Corporate Finance**

This course expands on previous finance courses by introducing more advanced topics, including capital structure, working capital management, capital budgeting and forecasting. Additional topics include operating and financial leverage, working capital management, capital budgeting, leasing and long-term financing.

Prerequisite(s): ACCT2210, FISV2000.

Offered at Online, Providence

3 Semester Credits

**FISV4030 Real Estate**

This course is designed for students seeking a clear presentation of the numerous investment decisions involved in real estate. Topics include how to lease, buy, sell or mortgage a property; how to analyze and predict the forces in the market and determine real estate values; whether and when to renovate, rehabilitate or demolish; and when and how to divest of property.

Prerequisite(s): FISV2000, junior status.

Offered at Online, Providence

3 Semester Credits

**FISV4040 Futures and Options**

This course includes a thorough foundation of options, futures, swaps, and other derivative securities. Topics include theoretical and normative pricing methods as well as the use of derivatives in portfolio and corporate risk management.

Prerequisite(s): FISV3001, MATH2001.

Offered at Providence

3 Semester Credits

**FISV4050 Portfolio Management and Analysis**

This course includes a thorough foundation in the process of portfolio management, from individual security evaluation to broad asset allocation decision making. Topics covered include the portfolio management process including asset allocation, benchmarking, evaluation and reporting, as well as the manner in which trading takes place. An analysis of alternative assets is also explored including real estate, investment companies, private equity and venture capital, hedge funds, closely-held securities, distressed securities, tangible assets, commodities and derivatives.

Prerequisite(s): FISV3001, MATH2001.

Offered at Providence

3 Semester Credits

**FISV4060 Fixed Income Analysis**

This course includes the analysis of fixed income securities and all securities whose valuation and hedging are related to interest rates. Topics include the bond market and its various instruments including U.S. treasuries, corporate bonds, mortgage-backed securities and emerging market bonds. The course also covers bond portfolio management techniques such as interest rate forecasting, yield curve anticipation and security selection. This course is appropriate for students interested in financial analyst careers.

Prerequisite(s): FISV3001.

Offered at Providence

3 Semester Credits

**FISV4080 Finance Seminar**

This course gives students the opportunity to analyze and report on contemporary issues in finance using knowledge obtained through previous finance and related course work. Case work and simulation software is used extensively throughout the course to allow students to incorporate various financial concepts and techniques in making financial decisions.

Prerequisite(s): ACCT2210, FISV2140, FISV3001, FISV4025, senior status.

Offered at Online, Providence

3 Semester Credits

**FISV5410 Personal Financial Planning**

This course introduces students to comprehensive personal financial planning, which is the process of designing, implementing and monitoring financial decisions that help an individual or family accomplish their financial objectives.

Offered at Online, Providence

3 Semester Credits

**FISV5420 Estate Planning**

This course focuses on the efficient conservation and transfer of wealth, consistent with the client's goals. It is a study of the legal, tax, financial and non-financial aspects of this process, covering topics such as trusts, wills, probate, advanced directives, charitable giving, wealth transfers and related taxes. The course explores the taxation of gifts, estates and generation skipping transfers, and includes the calculation of the gift tax, estate tax and generation skipping transfer tax in consideration of applicable exclusions and deductions. Students are exposed to estate planning techniques such as lifetime transfers and gifting, charitable gifting, the utilization of trusts and partnerships, and postmortem planning. The course emphasizes solving a client's estate planning problems by providing students with the tools to develop practical strategies that focus on a client's goals and objectives and apply current tax law to develop an effective estate plan.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV5430 Principles of Risk and Insurance**

This course explores the financial risks that individuals and businesses face and how they can manage these risks, including the utilization of insurance solutions. Students are exposed to the purpose, structure and coverage options of the following types of insurance: health, disability, long-term care, life, property and casualty, and more. This course also reviews the taxation of insurance benefits and how taxation should affect a financial planner's decision to recommend insurance solutions under certain circumstances. After completing the course, students are able to determine a client's risk exposure and develop a comprehensive insurance and risk management plan for the client based on the client's goals and objectives.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV5440 Retirement Planning**

This course explores the nature and function of retirement plans and surveys the more common employee benefits presently offered by companies. The course outlines the various retirement plans available, including government and private plans, pension plans, individual retirement accounts, and other qualified and non-qualified retirement plans. Students learn to determine a client's eligibility to participate in a retirement plan, calculate a client's tax deductible contribution limits, and calculate the taxation of retirement plan benefits upon distribution. The course includes a complete needs analysis to determine a client's expected monetary needs and the associated cash flow required in a client's retirement years. Students recommend an appropriate plan of action including retirement plan options that achieve the client's goals and objectives and complement the client's comprehensive financial plan. Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV5600 Financial Management**

This course provides the student with sufficient analytical skills to interpret and act upon financial data and information that lead to sound financial decisions for business organizations. Topics include the time value of money, capital budgeting methods, financial statement analysis, breakeven analysis, short and long term financing methods, and topics in international financial management. Contemporary financial management techniques are discussed throughout the course.

Prerequisite(s): ACCT5000 or EMGT5020 or FISV5000.

Offered at Online, Providence

3 Semester Credits

**FISV5720 Financial Reporting and Control**

This course offers students a practical approach to understanding financial reporting. Students learn the requirements of generally accepted accounting principles in financial statement preparations by researching and analyzing publicly traded companies. Emphasis is placed on how the financial statements translate into stock prices and how they can be used as a barometer of a company's financial position. Students explore how companies in trouble can benefit from implanted controls, via the financial reporting process, to ensure earlier and better insight in making difficult decisions.

Prerequisite(s): FISV5600.

Offered at Online, Providence

3 Semester Credits

**FISV6050 Strategic Financial Planning**

This course offers students a practical approach to understanding the budgeting process. Students are exposed to the complete cycle of budgeting, from understanding the strategic plan that initiates the budget process to auditing the results. Students see the interrelating components of the operational budget to the capital budget and how these build to the cash flow budget. Students are able to translate the cash flow necessary to support the strategic plan to financing requirements that need to be met by banking or other sources. Students apply research techniques in coordinating a comprehensive strategic plan with a particular industry.

Prerequisite(s): EMGT5020 or FISV5720.

Offered at Online, Providence

3 Semester Credits

**FISV6056 Fundamentals of Investment and Portfolio Management**

This course introduces student to the fundamentals of investment and portfolio management. It focuses the student's attention on the impact that asset diversification has on expected portfolio outcomes. Students should complete the course with a thorough understanding of most investment vehicles and how they can be used in varying weights to influence the short and long-term returns of an investment portfolio. Students apply the basic tenets of FISV5600 by applying ratio analysis in the course of investment decision-making. Upon completion of the course, students are better prepared to make prudent investment decisions in both their professional careers as well as their own personal financial planning.

Prerequisite(s): FISV5600.

Offered at Online, Providence

3 Semester Credits

**FISV6410 Equity Analysis**

This course covers several valuation techniques used in equity investment analysis. Equity (i.e., stocks) typically comprises the largest asset class in a majority of individual and institutional portfolios. Topics include the various types of analytical tools used to value equity securities, along with their respective strengths and weaknesses. In addition, students gain perspective on when to choose the best technique as well as private company valuation methodologies. This course is appropriate for students interested in becoming a portfolio manager or investment analyst on the institutional or consumer side of the financial services industry.

Prerequisite(s): FISV6056.

Offered at Providence

3 Semester Credits

**FISV6420 Bond Market Analysis**

This course covers the bond market as well as other fixed income securities. Bonds are a pivotal asset class in institutional and individual investing. Topics include the various types of fixed income securities, including government debt, corporate debt, and securitized debt such as mortgage-backed securities and international bonds. The course covers various valuation and portfolio management methodologies. This course is appropriate for students interested in becoming a portfolio manager or investment analyst on the institutional or consumer side of the financial services industry.

Prerequisite(s): FISV6056.

Offered at Providence

3 Semester Credits

**FISV6430 Applied Behavioral Finance**

This course is an applied behavioral finance course examining the intersection of behavioral finance, financial therapy, and personal financial planning theory, practice and research. It reviews the research on behavioral finance and investor psychology, exploring the effects of human emotions and cognitive errors on financial decisions. This course focuses on the application of behavioral finance theory and research to the practice of financial therapy to help professionals improve the financial health of their clients.

Prerequisite(s): FISV5410.

Offered at Online, Providence

3 Semester Credits

**FISV6450 Derivatives and Risk Management**

This course reviews various types of derivatives such as options, forward contracts, futures contracts and swaps. Topics include the use of derivatives as risk management tools on an investment institutional level as well as the analysis of various derivative pricing models.

Prerequisite(s): FISV6056.

Offered at Providence

3 Semester Credits

**FISV6490 Institutional Portfolio Management**

This course presents the ways investment management firms build and manage portfolios for their clients. The process of portfolio management is studied in detail, from the nuances of individual security selection to asset allocation decisions made across a broad range of investment choices. Specific topics include asset allocation, benchmarking, trading and regulatory reporting.

Prerequisite(s): FISV6056.

Offered at Online, Providence

3 Semester Credits

**FISV7005 Contemporary Issues in Finance and Accounting**

This course covers the interpretation and analysis of real-world company financial data for the purpose of making informed business decisions. Topics include the examination of financial statements, evaluation of a firm's performance, exploration of a public company's financing including debt and equity, study of the statement of cash flows, the assessment of capital investment opportunities, and the exploration of the forward-looking framework for security valuation.

Offered at Online

3 Semester Credits

**FIT1040 Spreadsheet Design for Business Solutions**

This course provides students with a working knowledge of spreadsheet skills and apply those skills to problem-solving cases. Computer-based assessment software may be used as both a learning and skills measurement tool.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FOOD5001 Introduction to Food Safety Systems**

This course provides the students with the voluntary and regulatory frameworks that exist to support a safe domestic food supply. Students explore food safety systems that address the biological, chemical and physical hazards as they relate to various aspects of the food industry. In this course students are presented with an overview of food safety systems and practical approaches at the retail level. Students dissect the complex challenges in today's food supply chain. Students are introduced to a variety of quality assurance programs as well as discuss global food safety initiatives.

Offered at Online  
3 Semester Credits

**FOOD5030 Shaping the Future of Food**

This project-based course provides students with the opportunity to explore the local food system from the unique perspective of a chef. Students meet local food producers, sample products, and investigate systemic issues related to the long-term viability of local food systems. Students analyze the impact chefs have within the food web and begin to research approaches to creating local, sustainable and more regenerative food systems.

Offered at Providence  
3 Semester Credits

**FOOD5100 Foodborne Disease and Pathogen Control**

This course provides students with an introduction to foodborne pathogens that impact public health. Students research outbreak investigations that relate to these foodborne pathogens analyzing the cause and method of control to reduce the likelihood of a foodborne outbreak.

Prerequisite(s): BIO2220 or BIO2201.  
Offered at Online  
3 Semester Credits

**FOOD6010 Food Safety Capstone**

This project-based course provides students with the opportunity to resolve a relevant food safety concern. Students design a comprehensive food safety plan or evaluate current and emerging food safety issues with the culmination of a project that addresses a research, applied or theoretical opportunity. A written report that is suitable for publication is required.

Prerequisite(s): FOOD5001, FOOD5100, LAW5410.  
Offered at Online  
3 Semester Credits

**FOOD6030 Food Innovation & Technology Capstone**

This action research-based course provides students the opportunity to investigate a systemic food system issue encompassing social, political, industrial or environmental constructs within their professional practice or area of choice. Students employ a critical lens to research and evaluate wicked problems in order to test and determine viable solutions to systemic challenges. This course builds an epistemological framework of inquiry, understanding of multiple perspectives, critical adaptive thinking, and responsible action.

Prerequisite(s): FOOD5030, IDES5030.  
Offered at Providence  
3 Semester Credits

**FOOD6050 Regulatory Affairs Processing/ Retail**

This course explores the United States regulatory framework governing the domestic food system. Students examine federal, state and local agencies that are responsible for food regulation. Students also investigate the influence of industry, nongovernmental organizations (NGOs), consumers, and advocacy groups on the development of regulations.

Prerequisite(s): FOOD5001, LAW5410.  
Offered at Online  
3 Semester Credits

**FOOD6100 Global Food Safety and Sustainability**

This course investigates the biological, physical and chemical hazards that impact the global marketplace. Students examine the social, cultural, economic and environmental impacts in regards to foodborne disease control and prevention. Topics include the exploration of emerging agricultural solutions as a result of climate and population change.

Prerequisite(s): FOOD5001.  
Offered at Online  
3 Semester Credits

**FOOD6150 Food Defense and Adulteration Prevention**

This course explores strategies, best practices, and regulations designed to protect food from acts of intentional and economic adulteration, as well as emergency management planning for the food industry. Topics include ALERT training, which examines the five key points that industry and business can utilize to decrease the risk of intentional food contamination at their facility. Students develop a food emergency response plan that prepares for early threat detection and rapid response designed to minimize impact while coordinating recovery efforts across federal, state and local government agencies.

Prerequisite(s): FOOD5001, LAW5410.  
Offered at Online  
3 Semester Credits

**FOOD6200 Produce Food Safety**

This course provides students with the standards for growing, harvesting, packing and holding produce as established by the Food Safety Modernization Act (FSMA). Students develop specifications for produce procurement that account for food safety and sustainability concerns navigating the complexity of supply chain coordination with the increased demand for greater transparency.

Prerequisite(s): FOOD5001.  
Offered at Online  
3 Semester Credits

**FREN2020 French Language Immersion**

This course, delivered overseas by international postsecondary schools, is designed to develop both fluency in the target language and an in-depth understanding of the historical cultural contexts in which the language is spoken. Students acquire vocabulary through classroom lectures, discussions, required excursions and activities. Students also partner with native speakers of the target language to improve comprehension and communication skills.

Offered at Charlotte, Providence  
6 Semester Credits

**FSC3010 Food Quality Assurance**

Principles of quality management as they pertain to manufacturing, processing, and/or testing of foods, with a major emphasis on food regulations, food plant sanitation and Hazard Analysis of Critical Control Points. Food quality assessment methods, good manufacturing practices and statistical process controls are discussed.

Prerequisite(s): FSM1165 or approved sanitation certificate, junior status.  
Offered at Charlotte  
3 Semester Credits

**FSC3020 Food Chemistry**

Food chemistry applies basic scientific principles to food systems and practical applications. Chemical/biochemical reactions of carbohydrates, lipids, proteins and other constituents in fresh and processed foods are discussed in respect to food quality. Reaction conditions and processes that affect color, flavor, texture, nutrition and safety of food are emphasized. Laboratory experiments reinforce class discussions. These include activation and control of non-enzymatic browning and food emulsions. This course is conducted within both a lecture and laboratory environment.

Prerequisite(s): CHM2040 (or concurrent), junior status.  
Offered at Charlotte  
3 Semester Credits

**FSC3040 Food Ingredients & Formulations**

This course applies food science principles to ingredient substitutions in food products. Students explore practical applications of various carbohydrate, lipid and protein food ingredients and their impact in food systems. Legal and regulatory restrictions in respect to ingredients, package materials, processes and labeling statements are introduced. Laboratory procedures for standard formulations and instrumental evaluation, with an emphasis on problem solving and critical thinking, are studied in a laboratory setting.

Prerequisite(s): Junior status.  
Offered at Charlotte  
3 Semester Credits

**FSC3050 Fermentation Science & Functional Foods**

This course explores various fermented food systems with particular emphasis on their development and continued manufacturing. Additionally, this course covers a range of functional foods and food components, their health conferring benefits, mechanisms of actions, and possible applications in the food industry.

Prerequisite(s): Junior status.

Offered at Charlotte

3 Semester Credits

**FSC3060 Principles of Food Microbiology**

This course introduces students to various aspects of food microbiology, organisms associated naturally with foods and those responsible for spoilage. The role and significance of food microorganisms including food pathogens are discussed. Additionally, students investigate various sources of contamination and the influence of food formulation and processing on microbial growth. Control techniques and methodology to detect and enumerate microorganisms in food products are studied.

Prerequisite(s): BIO2201, BIO2206, Corequisite: FSC3065, junior status.

Offered at Charlotte

3 Semester Credits

**FSC3065 Principles of Food Microbiology Laboratory**

This course is the laboratory companion for Principles of Food Microbiology. The laboratory focuses on practical application of microbiological principles to food and food ingredients. Students develop skills in using commonly employed microbiological techniques in research laboratories and quality control. Emphasis is on investigating food contamination, the techniques and methods to detect and enumerate microorganisms, and evaluating the efficacy of control efforts.

Prerequisite(s): BIO2201, BIO2206, Corequisite: FSC3060, junior status.

Offered at Charlotte

1.5 Semester Credits

**FSC4010 Sensory Analysis**

Application of sensory science principles and practices to food and beverage systems including an understanding of consumer sensory techniques and the use of various instrumental testing methods.

Prerequisite(s): FSC3020, MATH2001, junior status.

Offered at Charlotte

3 Semester Credits

**FSC4020 Principles of Food Processing**

Principles and practices of food processing including, extrusion, canning, freezing, dehydration, aseptic packaging, fresh ready to eat and specialty food manufacturing. Understanding of various preparations, processing and packaging techniques including the use of additives. The course exposes students to various manufacturing equipment and explores raw material control, disposal of waste products and the use of re-work in a manufacturing setting.

Prerequisite(s): FSC3020, FSC3040, senior status.

Offered at Charlotte

3 Semester Credits

**FSC4040 Product Research & Development**

This senior-level capstone class builds on and applies knowledge learned in previous food science & technology major courses. This laboratory based class will expose students to the product development process from concept through product optimization. Students learn the importance of teamwork in a R&D laboratory classroom. They will develop a consumer food product which meets predefined nutritional, performance, regulatory and shelf-life expectations. ESHA Genesis R&D software will be used to enter formulations and design nutritional and ingredient labels.

Prerequisite(s): FSC3020, FSC4020, senior status.

Offered at Charlotte

3 Semester Credits

**FSM1001 Introduction to the Food & Beverage Industry**

This introductory course examines career opportunities, organizational structures, history, and front- and back-of-the-house operations in the food service industry. Specific segments are also examined in commercial, industrial and institutional areas of food service.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM1165 The Food Safety Manager**

Students explore food safety and environmental sanitation through the lens of the person in charge, identify the origins of food contamination and recognize proper food safety practices used to keep food safe during the flow of food from vendor to consumer. Students must pass an American National Standards Institute (ANSI) accredited, national food safety manager certification examination that is recognized by the Conference for Food Protection.

Offered at Charlotte, Providence

1 Semester Credit

**FSM1185 Food Safety and Sanitation Management**

Students explore the fundamentals of food safety and environmental sanitation. Students 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.

Prerequisite(s): This course is reserved for special industry partner programs.

Offered at Online

1 Semester Credit

**FSM2007 Food and Beverage Technology & Application Systems**

This course prepares students for the understanding of current applications and trends in technology that are impacting the food and beverage industry. Emphasis is placed on emerging technologies used in the industry from both a managerial and an analytical perspective.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2010 Medical Food Service**

This course introduces students to the principles of food service management in healthcare organizations. The food service manager's involvement in patient care and related areas of healthcare organizations is examined.

Offered at Online

3 Semester Credits

**FSM2012 Food & Beverage Human Resources**

This course prepares students with the knowledge and skills to apply sound human resource management and workforce development principles to situations encountered within the food and beverage/hospitality industry. Students examine the transition from a line-level employee to supervisory and management-level positions.

Offered at Online

3 Semester Credits

**FSM2033 Food Service in Hospitality and Tourism**

This course introduces the principles of how food and beverage operations interact with other departments found in hospitality and tourism properties. Managerial concepts include industry regulations, financial and operational controls, and matching foodservice venues and menus to targeted customer markets.

Prerequisite(s): HOSP1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2045 Introduction to Menu Planning and Cost Controls**

This course allows students the opportunity to evaluate sales menus and apply the skills relevant to the development and design of the sales menu in a food service operation, while also learning the importance and use of the proper tools and documents needed to control food and beverage costs and analyze sales. Additionally, the course introduces a practical approach to managerial accounting through the exploration of labor and overhead expenses, as well as an introduction to the income statement as a method of evaluating a business's success.

Prerequisite(s): MATH0010 (or concurrent) or math placement, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits



**FSM2055 Beverage Appreciation**

This intermediate course refines the student's knowledge of beverages served in a variety of hospitality operations. Emphasis is on beverage sensory perception and food pairings. Students develop and analyze strategies to effectively manage, market and set standards for beverage operations. Both alcoholic and non-alcoholic beverages are examined.

Prerequisite(s): Online students must be of legal drinking age -21 years of age in the US- or of minimum legal drinking age in the country where they are attending the course. Please note that we periodically ask students to provide us with a government ID showing their date of birth.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**FSM2080 Food Service Operations**

This intermediate course is designed to complete the student's foundation in purchasing as well as food and beverage operational controls. Emphasis is on mastering the purchasing cycle functions and back-of-the-house menu management systems and operations. Students also develop income statements using current technology and utilize spreadsheet applications to analyze food and beverage operations. Students have the opportunity to achieve two industry-recognized certifications.

Prerequisite(s): ACCT1210 or ACCT2150 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM2110 Food and Beverage Operations in the Sports, Entertainment and Event Management Industry**

This course introduces students to the management of different areas of food and beverage operations within the sports, entertainment and event industry. Emphasis is on food product and preparation types, beverage types, food and beverage delivery systems, costing and pricing strategies, and food and beverage pairings as they apply to the different divisions of the industry. Students obtain approved Food Safety Handler and Food Allergy certifications.

Offered at Charlotte, Providence

3 Semester Credits

**FSM2130 The Businesses of Non-Commercial Foodservice**

This course examines the non-commercial segment of the foodservice industry from the unit manager, client, guest and employment perspectives. Students explore how the operational cycle of control and the use of technologies are applied in a wide variety of businesses. The principal companies and the available career paths in the segment are discussed.

Offered at Providence

3 Semester Credits

**FSM2165 Food Code and Policy**

This course introduces students to the FDA Model Food Code. Emphasis is on reading and interpreting the code content and implementing the statutes of the code in a restaurant simulation.

Prerequisite(s): FSM1165 or approved sanitation certificate.

Offered at Online

3 Semester Credits

**FSM2210 Operational Management in Healthcare**

This course introduces students to the responsibilities of a food service operations manager within healthcare organizations and other adjacent career paths. Through the examination of financial and human resource management principles, as well as organizational structure and governance, the student will be able to demonstrate and apply the functions expected of an operations manager.

Prerequisite(s): FSM2045.

Offered at Charlotte, Providence

3 Semester Credits

**FSM3035 Supervision for Food Service Professionals**

This course is designed to allow students the opportunity to learn and explore human resource management theory and procedures as they apply to the food service industry. Students learn proper procedures to hire, train, motivate and discipline employees, as well as to perform employee appraisals. Current human resource management issues and labor legislation law are discussed as they apply to preparing future chefs and managers for successful leadership roles in the food service industry.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3040 Food Service Financial Systems**

This course allows students the opportunity to learn and experience an in-depth analysis of financial information within the food service industry. Emphasis is placed on exploration of accounting, sales, purchasing, inventory and budgetary systems. The course offers an overall view of financial management and its related areas through manual applications and the use of computers in the food service industry. Students recognize business problems, provide viable solutions and evaluate the effect of those solutions.

Prerequisite(s): FSM2025 or FSM2045.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3060 Front of the House Operations Management**

This intermediate course focuses on the comprehensive study of dining service management within the food and beverage industry. Emphasis is placed on service theory and delivery, current technology and its application, customer feedback and process improvement, human resource development and training, staffing, physical space and layout, marketing, and fiscal accountability. Students have the opportunity to obtain industry-specific certification.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3075 Food Service and Hospitality Strategic Marketing**

This upper-level course provides students with a broad scope of food service and hospitality marketing. Emphasis is on the analysis, structure and strategy of food service and hospitality marketing; departmental budgeting; allocation of resources; market research; media selection; and effectiveness of the marketing plan. Case studies and assigned readings examine current marketing issues. A directed work project may be incorporated into this course.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3080 Food & Beverage Marketing and Distribution**

This course introduces students to the many facets of food marketing in commercial applications. Students explore the various segments of the food and beverage marketing industry, including marketing for food and beverage manufacturing and distribution companies. Special emphasis is placed on the integration of food service and marketing competencies.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3111 Catering: Sales and Operations Management**

Catering companies provide food and beverage services for clients who are hosting events, such as weddings, Bar/Bat Mitzvahs, anniversaries, graduations, rehearsal dinners and organization meetings. Catering managers meet with clients to plan events and are responsible for menu development, cooking and serving food in a variety of locations. This upper-level course examines the unique aspects of planning and executing various catered events for both on-premise and for off-premise locations. Students explore the managerial and entrepreneurial aspects of developing a business model, building and maintaining a client base, operating and analyzing financial performance, and applying food and beverage management operational best practices.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM3175 Advanced Food Safety, HACCP and Special Processes**

This course provides students with advanced training in food safety concepts and special processes while simultaneously developing workplace skills that are highly valued by employers. Students explore the framework and imperative steps of Hazard Analysis Critical Control Point (HACCP) as a control for safe food production. Students also explore safe food processing and recognize proper food safety practices utilized to keep food safe through the flow of food. Common special processes and template HACCP plans are analyzed to ensure safe production of these special processes, thus keeping the consumer from risk. At the completion of this course, students are prepared to sit for a nationally recognized HACCP certification exam. Prerequisite(s): (CUL2510, CUL2610, CUL2710, CUL2810) or (CUL2510, CUL2810, CULN2020, CULN2230) or (CUL2010, CULS2010, CULS3035), FSM1165.

Offered at Charlotte, Providence

3 Semester Credits

**FSM3215 Culinary Operations and Facility Management**

This course is designed to enhance the student's understanding of how a foodservice operation's concept and menu influence back-of-the-house functions and costs. A task analysis is performed to design a workflow and identify the equipment and smallwares needed to receive and store product, and to produce and serve the menu. Overhead costs including direct operating expenses, furniture, fixtures and equipment (FFE), repairs and maintenance, and facilities layout and design are explored and evaluated to determine costs and the effect on profitability.

Prerequisite(s): FSM2025 or FSM2045.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM4061 Advanced Food Service Operations Management**

This upper-level capstone course concentrates on integrating critical competencies of management in a small food service setting. Emphasis is placed on menu development, marketing, staff scheduling, production planning and implementation, service, and fiscal accountability. Students manage the food and beverage service operations.

Prerequisite(s): ((FSM2080 and FSM3060) or (Completion of Culinary Arts or Baking and Pastry Arts associate degree)) and senior status.

Offered at Charlotte, Providence

3 Semester Credits

**FSM4070 The Business of Alcohol Distribution, Retail and Sales**

This course offers the student a comprehensive overview of the costs of producing, distributing and selling licensed alcoholic beverages in the U.S. and the relationship between costs, profit margins and sales. Each segment of the three-tiered distribution system is analyzed and the legal aspects of producing, distributing and selling licensed beverages are examined. Internet sales and the challenge it poses to the current system are also evaluated. The impact of the current system on the consumer and how the consumer's needs are addressed is the focus of the course.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM4081 Advanced Food & Beverage Operations and Planning**

This capstone course concentrates on integrating critical competencies of management in a small food service setting. Emphasis is placed on concept creation, menu development, marketing, staffing, operational strategy, and fiscal accountability.

Prerequisite(s): FSM2012, senior status.

Offered at Online

3 Semester Credits

**FSM4160 Food and Beverage Strategies and Logistics**

This senior-level capstone course is designed to give students insight into strategic management and decision making in the food and beverage industry. Students develop critical-thinking and decision-making skills by employing a variety of methods to examine the strategies of a number of food and beverage organizations. Special emphasis is on the impact of internal and external factors on strategy, current market conditions in the food and beverage industry, and the unique importance of the supply chain as it relates to food and beverage organizations.

Prerequisite(s): (FSM3075 or HOSP3053 or MRKT1001), (ACCT3150 or FISV2000), junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FSM4250 Food Industry Compliance Capstone**

This upper-level course serves as the culminating integrative experience in the Food Industry Compliance Management program. This course provides students the opportunity to apply previously completed coursework to address food compliance issues in commercial and non-commercial organizations that serve or sell food. Students learn to address concerns and offer solutions through a scientific, managerial and leadership perspective.

Prerequisite(s): FSM2165, FSM3060, MGMT2020, senior status.

Offered at Online

3 Semester Credits

**FSM4880 Beverage Operations Management**

This upper-level course examines the creation and management of a beverage operation. Planning topics include concept, identification of target market and bar business creation. The creation of a business plan is discussed. Management topics include bar layout and operations, trend identification and product selection, basic production methods, costing and pricing, inventory methods and human resources management. The creation of wine lists, beer lists and cocktail menus is also discussed. Responsible Beverage Service is stressed.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**FYS1010 First-Year Seminar - University Explorations**

The course encourages first-year college students to strengthen the connection between self-exploration, active classroom engagement, and understanding larger educational and global communities. This explorations seminar also encourages and allows students to identify their natural talents and skills while focusing on academic goals and potential career aspirations. Students connect with the educational and campus community through academic and co-curricular pursuits. By gaining these experiences, students enhance their intellectual and emotional growth. Finally, students are guided to institutional resources that are targeted to maximize both academic and personal growth.

Offered at Providence

1 Semester Credit

**FYS1020 First-Year Seminar**

This course encourages all first-year students to strengthen the connection between self-exploration and the transition to college while actively participating in the classroom and engaging with the larger JWU community. Identifying and developing their natural talents and skills helps students launch their undergraduate experience. Strategies to enhance personal health and wellness practices are presented so students can become engaged with the diverse and inclusive population at JWU. Students connect with the academic and campus community as they learn about institutional resources and self-select from a variety of co-curricular activities that reinforce course content.

Offered at Charlotte, Providence

1 Semester Credit

**FYS1025 First-Year Seminar**

This course encourages first-year students to strengthen the connection between self-exploration and the transition to college while actively participating in the classroom and engaging with the larger JWU community. Identifying and developing their natural talents and skills helps students launch their undergraduate experience. Strategies to enhance personal health and wellness practices are presented so students can become engaged with the diverse and inclusive population at JWU. Students connect with the academic and campus community as they learn about institutional resources and self-select from a variety of co-curricular activities that reinforce course content.

Prerequisite(s): The prerequisite for this course is that students did not successfully complete the on-ground version of FYS1020 in the previous semester and are retaking the course to meet the 1-credit requirement. This course allows for transfer credits for those with 30+ credits.

Offered at Charlotte, Providence

1 Semester Credit

**GDES1000 Drawing for Design**

A precursor to all design thinking, drawing skills offer an effective means of prototyping visual concepts before committing them to final design solutions. Students gain a foundation in the elements and principles of design through the practice of drawing with the intent to develop and integrate drawing as an essential and crucial step in the creative process. With an emphasis on direct observation, students learn skills to train their eyes to reproduce what they see as well as take ideas from their imagination and translate to paper using traditional drawing tools. Based on design industry models, students also learn and apply technical, compositional and thematic principles as a means of developing a flexible design strategy.

Offered at Providence

3 Semester Credits

**GDES1001 First Year Design Student Seminar**

In this course, students are exposed to all of the critical components of success in a university-level design program. They gain access to and utilize the myriad of academic, technical and design resources available here at Johnson & Wales University as well as in the local design community. This course eases the transition to college by helping students adjust to life as new designers and make connections with other design students, faculty and staff. Through instruction, workshops and field trips, this class helps students develop the skills that they will need in and out of the classroom, as well as in their careers as designers, such as responsibility, resourcefulness, professionalism, leadership and how to find creative inspiration.

Offered at Providence

1 Semester Credit

**GDES1020 Design Theory and Practice**

Students learn how to thoughtfully apply the creative process to design projects, participate in a number of non-digital project-oriented experiences, and develop basic skills and practices to be successful in the program and in the industry. The class is structured with an overview of design industries, historical art movements, design trends, and an introduction to key figures. Exploring the creative process and traditional tools, students build a visual vocabulary and are exposed to the critical components of success in a university-level design program and in a collaborative learning space. Topics include elements and principles of design, layout and composition, branding, product families, packaging, and color theory. Instruction includes design analysis and critique, creative research and finding inspiration, hands-on problem solving and public speaking. Relevant connections to current and historical contexts are woven throughout the course.

Offered at Providence

3 Semester Credits

**GDES1030 Vector-Based Design**

Vector-Based Design is a foundation course wherein students investigate the industry-standard vector-based design software. This project-based course introduces branding, screen layout design concepts, packaging template creation, and the use of hand-done elements within design. Relative concepts in image editing software that pertain to vector design are also introduced.

Offered at Providence

3 Semester Credits

**GDES1040 Foundations of Web Design**

This course introduces students to the concepts, techniques and principles needed to design modern web sites. Students consider user research, contemporary visual approaches, compositional design principles, user interface design models, and responsive coding practices in the process of creating a series of project-based website prototypes. Emphasis is on understanding and applying current approaches in planning and design as well as securing a functional grasp of the prototyping techniques required to present these solutions as planned.

Offered at Online, Providence

3 Semester Credits

**GDES1050 Image Editing and Design**

This is a foundation course wherein students investigate the industry-standard raster-based manipulation software. This course is project-based with assignments using the acquisition, creation, manipulation and distribution of raster-based images. Students learn techniques in scanning and best practices in resolution and color mode management. Emphasis is placed on creative projects investigating photomontage/layering techniques and the development of essential frameworks for designing in print and screen formats.

Offered at Providence

3 Semester Credits

**GDES1060 User Experience and Content Design I**

This course introduces students to the foundations of user experience design for digital products. Students learn to develop, prototype, test and refine user-focused concepts for websites and mobile applications. Topics include design research, user interface design, interaction design, style guides, user interface toolkits and basic principles of accessibility. Students gain experience with industry-standard design and prototyping software.

Offered at Online, Providence

3 Semester Credits

**GDES2000 Typography**

Typography is a critical foundation of visual communications. Letterforms, typestyle, shape and size communicate subtle messages and convey important information. Successful design solutions always benefit from thoughtful and creative use of type, whether on a printed page or in digital space. This course presents the fundamentals of typography and letterforms including history, anatomy, theory and practice, while teaching students to appreciate type as a critical element of design and to identify type by respective classifications and families. Emphasis is placed on developing a current, practical typographic knowledge based on current industry standards. Typographic design in graphic communications is explored through project-based work.

Prerequisite(s): GDES1030 or permission of department chair.

Offered at Providence

3 Semester Credits

**GDES2020 Motion Graphics I**

This course introduces the fundamentals of contemporary digital motion graphics. Students cover both animation and video techniques. Digital motion concepts and creation techniques are also covered. The course uses a range of software and hardware tools. Students experiment with motion image origination through basic animation and camera applications. Various editing tools are introduced.

Prerequisite(s): GDES1030.

Offered at Providence

3 Semester Credits

**GDES2025 Basics of Screen Design & Coding**

This course allows students to explore the various components of creative web design using coding languages like HTML and CSS to develop design solutions for multiple digital formats, including web browsers, tablet computers and smart phones. Student combine research into contemporary visual approaches and learn how to use compositional design principles and grid-based "frameworks" to visualize contemporary responsive web design solutions. Emphasis is on understanding and applying current practice in planning and design as well as securing a solid vocabulary in the code required to present these solutions as planned. Topics also include Search Engine Optimization (SEO), User Experience (UX) and site architecture, key navigation and linking principles, as well as content development and design principles. Various webmaster tools (Google and Bing) are used as well as sitemap best practices and SEO.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

### **GDES2030 Editorial & Publication Design**

This course introduces the creative and technical development of text composition, layout and the hierarchy of information with emphasis on dynamic use of the grid, page structure, text/image integration and multi-page layout and design. Emphasis is on typographic composition and page layout. Using industry-standard page layout applications, this project-based class helps students develop their skills as designers by the creation of sophisticated editorial and publication design assignments.

Prerequisite(s): GDES2000.

Offered at Providence

3 Semester Credits

### **GDES2050 Content Management Systems**

In this course, students explore the workings of a popular content management system (CMS) as well as a strategic process for organizing and delivering their website content. Students use a variety of skills to build, deploy and test multi-page websites. Potential projects include ecommerce, portfolio, blog, small business, and progressive web apps. Students build upon content strategy, user experience, information architecture, and front-end coding skills.

Prerequisite(s): Sophomore status.

Offered at Online, Providence

3 Semester Credits

### **GDES2060 Portfolio Assessment for Digital**

In this course, students conceive, design and develop their own portfolio website, incorporating the projects and personal branding developed in Portfolio Assessment for Print (GDES2061). Students use their evolving knowledge of interactive design and front-end web development to organize and structure their portfolio, ensuring that their website is useable, accessible and visually appealing. Work originally designed for print is converted to a web-friendly format. Previously-produced web-based projects are revised and improved. Website design is prototyped for optimal user experience. Additional consideration is paid to formatting student work for delivery on common online platforms.

Prerequisite(s): GDES1060, GDES2030, sophomore status, Co-requisite: GDES2061.

Offered at Providence

3 Semester Credits

### **GDES2061 Portfolio Assessment for Print**

In this course, students assemble a comprehensive portfolio that demonstrates their increasingly sophisticated mastery of design. With faculty guidance, students gather, revise and organize their best works. Students begin to identify and present themselves as independent designers through the development and design of a focused personal brand identity that carries through to all of their presentational materials. Emphasis is placed on both self-branding and self-revision through reinforcement of design skills and concepts learned in the program thus far. In the final week of the course, students present and defend their work to a select group of faculty. Success in this course depends on the progress of the student, which is identified through both in-class and out-of-class assignments. There is an expectation that students display a high degree of involvement, which includes such behaviors as encountering all classwork and assignments with commitment, obvious preparation, and a willingness to become actively engaged in class activities and discussion.

Prerequisite(s): GDES1060, GDES2030, sophomore status, Co-requisite: GDES2060.

Offered at Providence

3 Semester Credits

### **GDES3015 Design Team I**

This course provides students with hands-on design and development projects from real-world clients. With faculty supervision, students work on a wide range of team-based design projects involving print and screen media. The resulting work supports the day-to-day operations of nonprofit client organizations, community partners and interdisciplinary collaborative work. This course is the direct, practical application of skills learned in prior academic courses and prepares students for future career success.

Prerequisite(s): GDES3250.

Offered at Providence

4 Semester Credits

### **GDES3025 Design Team II**

This course expands on the real-world client projects begun in Design Team I. This course provides students with hands-on design and development projects from real-world clients. With faculty supervision, students work on a wide range of team-based design projects involving print and screen media. The resulting work supports the day-to-day operations of nonprofit client organizations, community partners and interdisciplinary collaborative work. This course is the direct, practical application of skills learned in prior academic courses and prepares students for future career success.

Prerequisite(s): GDES3015.

Offered at Providence

4 Semester Credits

### **GDES3050 Basics of Graphic Design**

This course introduces the student to the fundamental principles of graphic design. Using both traditional tools as well as industry-standard software, students learn the essential visual design concepts, processes, and workflow practices used in graphic design. The introduction of design theory and practical applications of graphic design is included.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **GDES3140 Motion Graphics II**

This course teaches students advanced digital production techniques and tools for full motion, sound and video editing. Participants explore current and emerging media standards and applications. Topics include converging digital media, content creation and use of digital media communication tools for internet-enabled application. Students work independently and on project teams.

Prerequisite(s): GDES2020, sophomore status.

Offered at Providence

3 Semester Credits

### **GDES3200 Print Production**

This course continues to explore the graphic design field with an emphasis on the production process and printing technology. Terminology and methods, communicating print specifications and cost estimates, file preparation and pre-flighting, font management, and color use in print production are explored. As part of this course, industry lectures are planned, both on and off campus. Projects for this course are designed to reflect the same expectations, processes and tasks as found in current printing industry.

Prerequisite(s): GDES2030.

Offered at Providence

3 Semester Credits

### **GDES3210 Advanced Publication & Print**

This course reinforces the creative and technical development of text composition, layout and hierarchy of information. Through various projects, students conceive, compose and produce multi-page layouts using sophisticated and advanced visual design techniques for print and screen. Students visually coordinate images and typographical content across multiple and emerging media specific to editorial and publication design.

Prerequisite(s): GDES2030, junior status.

Offered at Providence

3 Semester Credits

### **GDES3215 Coding for Web Design**

This course develops the student's understanding of the web design and web development process. Students advance their knowledge of client-side coding languages (HTML, CSS and JavaScript) through a series of real-world projects and weekly design challenges. Through this process, students expand their ability to conceive of, design and build modern, responsive interfaces for websites and web apps. Topics include user interface design, usability and accessibility, design prototyping, front-end development with HTML, CSS and JavaScript, performance optimization, basic version control, and publishing content on the internet.

Prerequisite(s): GDES1040.

Offered at Providence

3 Semester Credits

**GDES3235 User Experience and Content Design II**

This course builds on the design process introduced in User Experience and Content Design I. Students consider common approaches for designing effective user experiences and user interfaces through the creation of several project-based applications. The focus is on adopting a carefully considered process of discovery, strategy, design and testing that can help designers understand the problem they are solving and offer intelligent solutions that satisfy both user needs and business goals.

Prerequisite(s): GDES1060.

Offered at Providence

3 Semester Credits

**GDES3250 Brand Identity Design and Development**

The course is an immersion into the brand identity and development process, through strategy, design, implementation and presentation. Utilizing industry-standard software programs, students learn how to design identity systems that are unique, memorable, meaningful, appropriate and differentiated from competitors. In addition, students gain a better understanding of brand standards, brand equity, competitors, target audiences and cohesiveness across different forms of print and digital media.

Prerequisite(s): GDES2030, junior status.

Offered at Providence

3 Semester Credits

**GDES3260 Package Design**

This advanced level graphics course is a hands-on, project-based class where students are expected to further refine their level of craft in prototyping, while applying their knowledge of branding and typography as it pertains to package design. Students are educated about new product and package development, visual coding, structural packaging, understanding competitors audits, visual hierarchy, brand equity, shelf presence, cohesiveness, material sourcing, understanding target audience and demographic, developing supportive marketing collateral, and food and beverage requirements within the package design industry.

Prerequisite(s): GDES2060 and GDES2061, junior status.

Offered at Providence

3 Semester Credits

**GDES3270 Wayfinding & Environmental Graphics**

In this advanced-level course, students explore the nuances of wayfinding and environmental graphics. Students gain a clear understanding of applying brand identity to various environmental spaces and the impact it can have, both from a visual and marketing aspect. Projects explore wayfinding systems, icon development, effective environmental graphics, signage, visitor flow, directional hierarchy, interactivity, visual clues and exhibit design.

Prerequisite(s): GDES3250, junior status.

Offered at Providence

3 Semester Credits

**GDES3300 Design for Video I**

Students participating in this course are introduced to digital production techniques, theory, and tools for full motion and video editing. Students explore current and emerging media standards and applications. Topics include converging digital media, content creation, and social media platforms.

Offered at Online, Providence

3 Semester Credits

**GDES3310 Design for Video II**

This advanced course explores different genres and narrative codes, including documentaries, TV ads and post-modern narratives, in experiential team assignments. Exercises in set lighting, advanced framing and advanced camera movement enhance already acquired production techniques. Additional sound and audio production as well as more in-depth digital editing and special effects are provided for post-production. Topics include contemporary digital media history and film genres. Financing and project management are reviewed.

Prerequisite(s): GDES3300, sophomore status.

Offered at Providence

3 Semester Credits

**GDES3315 Introduction to Programming with JavaScript**

This course presents an overview of the core components found in many programming environments using the popular JavaScript language as a model. The use of core programming concepts is explored through the creation of project-based programs. Students gain an understanding of the basics of programming, easing adaptation of new ideas and practices in web development.

Prerequisite(s): GDES3215.

Offered at Providence

3 Semester Credits

**GDES3355 Web Design & User Experience Studio**

This studio course provides students an opportunity to showcase the skills acquired throughout their web design and user experience coursework. Students draw on the breadth of their learning experiences to create a comprehensive design project that demonstrates their understanding of contemporary design practices in the respective fields of web design and user experience. At the conclusion of the course, students create a detailed case study outlining their process and outcomes.

Prerequisite(s): GDES2050, (GDES3215 or GDES3235).

Offered at Providence

3 Semester Credits

**GDES3500 3D Modeling & Animation**

This course introduces the essentials of 3D models and animations. Students learn to use basic objects to create realistic computerized 3D images.

Dynamic models are created and set into motion. Professional concepts and techniques create the platform for primary applications and skills. Industry-standard software is used to offer students a real work experience.

Prerequisite(s): GDES2020.

Offered at Providence

3 Semester Credits

**GDES4050 Senior Portfolio Assessment**

This capstone course guides students through the assembly of a comprehensive physical and digital portfolio that demonstrates their increasingly sophisticated mastery of design. With faculty guidance, students gather, revise and organize their best completed works as well as enhance their portfolios with additional advanced design projects. Portfolios consist of a minimum of 12 professional works showcasing a range of design capabilities. In the final week of the course, students present and defend their work to a select group of faculty and visiting professionals.

Prerequisite(s): GDES2060, GDES2061, GDES3250, senior status.

Offered at Providence

3 Semester Credits

**GEND1040 Introduction to Gender Studies**

This course introduces students to the concept of gender. It explores the biological, psychological, social, historical and performative aspects of gender and the effect that gender roles, biases and expectations have on society and on the lives of individual women and men in the U.S. and around the world. In this course, students are introduced to the topics of gender role socialization; the role that gender plays in institutions such as the family, schools, workplaces and prisons; the interplay of gender, politics and the law; and the portrayal of gender in popular culture. The relationships between gender and race and gender and sexuality are also examined.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**GLS1001 Introduction to Global Studies**

This course is the first in the Global Studies program and introduces students to key concepts and issues in the field. Students discuss globalization as both a historical and ongoing process and study key geographic areas and participants in global issues. Global issues including those in politics, the economy, society, information sectors, the environment and others are examined within the context of global studies.

Offered at Providence

3 Semester Credits

**GLS2100 Latin American History, Culture and Society**

This survey course is a multidisciplinary introduction to the diverse cultures and societies of Latin America from Pre-Columbian times to the present. Students explore the cultural and ideological impact of conquest on colonial societies and look closely at specific problems that Latin American peoples have faced in the 20th century and contemporary challenges for the present millennium. Topics include society and culture, history, politics, strategies for economic development, and U.S.-Latin American relations.

Offered at Providence

3 Semester Credits

**GLS2200 Asia in Global Perspective: Peoples, Cultures and Politics**

Asia is a vast geographical region that encompasses several sub-regions, peoples, cultures, countries, economic and political systems. Asia remains a crucial site of global economic and geopolitical interest for the U.S., Europe and Russia. This course explores the cultures, languages and patterns of living in this diverse region in order to grasp more deeply the ways in which the global, local and regional intersect and shape patterns of everyday life in Asia. Students explore specific themes distinct to particular areas of Asia, and its relationship to the world. Topics include human diversity of Asia and its cultural lifeways; China, Japan and India and their role in global geopolitics; tourism and urban hubs; economic change and globalization; conflict and post-conflict societies; climate change; natural disasters; and religion.

Offered at Providence

3 Semester Credits

**GLS2240 Middle East in Global Perspective: Peoples, Cultures and Politics**

This course explores the threads and connections that the Middle East's human diversity, politics, geography, cultural lifeways and on-going armed conflicts weave in a region defined by great human and geopolitical insecurity. The course centers on the complex ways in which everyday life is forged in the wake of these daunting dynamics that shape the tempo and patterns of daily life. Topics include cultures; languages; places; ethno-religious diversities; economic, political, ecological and geopolitical dilemmas; globalization and its impact on the region; popular culture; youth; gender; and sexuality.

Offered at Providence

3 Semester Credits

**GLS2280 World Regional Geography in Global Perspective**

Utilizing the geographical imagination and a critical lens to examine the world, this course explores key issues in understanding how regions come to be in human terms — how they are distinct in the ways people make meaning of the location and territories they inhabit. Focus is on the distinctions and geographical approaches to the study of peoples, cultures, and economic and political activities by region. From the Arctic to the southern reaches of the Pacific Ocean, this course compares how regions are vital in the making of the globalized world. Topics include tourism, ecological destruction, regional-global dynamics, economical patterns, commodities, commerce, geopolitics, development, human cultural diversity and conflict.

Offered at Providence

3 Semester Credits

**GRAD6082 Operations Management and Process Improvement Abroad**

In this course, graduate students apply a more focused lens on continuous improvement and cost management by designing and formulating an operations continuous improvement project with an international corporation abroad. Hosted by an international partner, students spend a week in classes and lectures, preparing for an intensive project week. Students construct a continuous improvement and cost management project, working directly with the corporation's executives and staff. While in country, students are immersed in the complex corporate environment through relevant readings, structured site visits and excursions, cultural events, and community interaction. Along the way students have a chance to tour the host country and visit key cultural sites. This experience provides a professionally focused immersion experience in their future field and opportunities to learn to appraise and value cultural differences when working with an international management team.

Prerequisite(s): Completion of a minimum of 18 credits, 3.5 cumulative GPA.

Offered at Providence

3-6 Semester Credits

**HIST2001 World History to 1500**

Major developments in world history before the 16th century are considered with an emphasis on the rise of civilizations, the birth of religions and philosophies, and the development of artistic traditions. The development of various political systems, technologies, and forms of cultural expression in Western and non-Western societies are highlighted. The influence of societies upon one another and the political, religious, philosophical and artistic legacies of these cultures on the modern world are also emphasized.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST2002 World History Since 1500**

Major developments in world history from the 16th century to the present are considered with an emphasis on the impact of ideas and influences from Asia, Africa and the Americas upon European culture and society and the European impact upon Asia, Africa and the Americas. Emphasis is placed on the various revolutions — industrial, democratic, political, technological, military, social and cultural — that marked this period of time.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST2050 Food in World History**

This course examines the important role that food has played in human history from the Neolithic Revolution to the present. The course analyzes the ways in which historical events and cultural movements (e.g., wars, revolutions, religious conflicts, industrialization, exploration and colonization) have affected the human diet. The course also studies the manner in which dietary constraints and the need or desire for certain foods have, in turn, influenced world history.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST2100 U.S. History from Colonial Times to 1876**

This course is a survey and analysis of United States history and those institutions that contributed to the evolution of the American nation from colonial times through the period of the Civil War and Reconstruction. Particular attention is given to the Puritan influence upon American character, the American Revolution, the creation of the federal Constitution, western settlement, the nature of slavery and the breakdown of the American political system resulting in civil war.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**HIST2200 U.S. History Since 1877 (to the Present)**

This course is a survey and analysis of United States history and those institutions that contributed to the evolution of the American nation since Reconstruction. Emphasis is on the rise of industrialization, urbanization and immigration; the coming of imperialism; the development of American foreign policy; the rise of big business; the growth of reform movements as seen in Populism, Progressivism and the New Deal; the Women's Movement; the Civil Rights Movement; and recent developments.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**HIST2300 History of Globalization**

This course explores the history of the process of globalization from its beginnings in the ancient world to the 21st century. It examines the spread of economic, political, intellectual and religious developments that brought together diverse societies across the world and bound them together in the economic, political, diplomatic and cultural institutions and networks (both formal and informal) that exist today. Topics include colonialism, imperialism, and the exploitation of both free and unfree labor in Latin America, Africa and Asia by industrialized nations. Particular attention is paid to seminal moments in history when peaceful contacts, violent clashes and/or ideological conflict led to new connections or altered existing ones among various regions of the globe.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST2400 History of the Atlantic World**

This course examines the development of the Atlantic World from the 15th century to the end of the 19th century. In this course students investigate the connections forged among the major components of the Atlantic World: North America, Latin America, the Caribbean, Africa and Europe. The course examines not only interactions between the "Old" World and "New" World and between the European core and the American and African periphery, but also intra-regional connections between local cultures. Focus is on the development of both trans-Atlantic and intra-regional economies, the Atlantic slave trade and its eventual abolition, the impact of colonization on indigenous communities in the Americas and the Caribbean, the creation of creole societies in the Western hemisphere, and the effect of colonization on gender roles. This course ends with an analysis of trans-Atlantic intellectual movements such as the Enlightenment and the Atlantic Revolutions that brought independence to most of the countries of the Western hemisphere by the mid-19th century.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST2420 History of the Mediterranean World**

This course is a survey history of the Mediterranean world — the societies and nations that border the Mediterranean Sea from pre-history to the 1960s. Among the nations and societies to be studied are Portugal, Spain, France, Italy, Greece, the Balkan states, Malta, Cyprus, Turkey, Israel/Palestine, Egypt, Libya, Morocco, Tunisia and Algeria. Focus is on the ways in which the civilizations and nations of the Mediterranean world have interacted with and influenced one another with particular emphasis on religion, gender roles, art and architecture, technological innovation, commerce, migration, slavery, government, political ideology and war. The influence of contacts between the Mediterranean world and the Atlantic and Pacific worlds are also considered.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST2440 History of the Pacific World**

This course is a survey history of the Pacific world — the societies and nations that border on the Pacific Ocean or that have been active in settling in the Pacific, from pre-history to the 1970s. Among the nations and societies to be studied are China, Japan, Korea, Vietnam, India, Indonesia, Fiji, Tonga, Tahiti, Samoa, New Guinea, Australia, New Zealand, the Philippines, Russia, the United States and Mexico. Focus is on the ways in which the societies, cultures and nations of the Pacific world have interacted with one another with particular emphasis on religion, commerce, exploration, colonization, labor and war, and the effect that these interactions have had on individual societies. The relationships between Europe and Africa and the Pacific world are also studied.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST3010 Modern History**

This course provides an in-depth analysis of the major ideas and forces in the Western world during the 20th century. It reviews significant figures and events, as well as the seminal forces that have led to current conditions.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**HIST3020 A Multicultural History of America**

In this class students survey the broad currents of American history through the lens of immigration, race and ethnicity. Beginning with the colonization of North America, students study the experiences of Native Americans and immigrants from diverse points of origin across four centuries. Students use firsthand narratives, period fiction, contemporary journalism, and historical scholarship to interrogate the shifting nature of American identity from colonial "contact" through the present day.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST3100 Contemporary American History: The United States in a Global Age**

This course addresses the recent history of the United States from the end of World War II to the present day, taking as its focus America's increasingly dominant role in world affairs. It traces America's rise as a global military and economic power and explores the implications of such might and affluence on American culture, foreign policy and liberation struggles here and abroad. Topics addressed include the Cold War, Vietnam War and Iraq War, liberal and conservative presidential politics, and the critiques that emerged from the left and the right.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST3200 American Government**

This course involves an examination of the political and governmental system of the United States, the principles upon which it is founded, and the institutions and systems which comprise it. Topics to be discussed are constitutional foundations, federalism, political parties, public opinion, interest group activities, civil liberties and decision-making in institutions of American national government, such as Congress, the presidency and the Supreme Court.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HIST3400 African American History**

This course explores the history of people of African ancestry in the United States from the colonial period to the present day with special focus on the transition from slavery to freedom to full citizenship over the course of the 18th–20th centuries. Among the topics studied are African American religion and spirituality, African American involvement in political and social reform movements, the role played by African Americans in the U.S. economy, and African American contributions to American culture. Interracial interaction, the social construction of "blackness," and the construction of gender roles within the African American community are also major themes of the course.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**HIST3500 History of Health and Medicine in the Western World**

This course studies the history of health and medicine in the Western world. It examines how scientific, religious and cultural ideas regarding health and wellness have changed over time and traces the development of the institutional framework of healthcare in the West. The course also investigates how ideas regarding sex, gender, race, ethnicity and class have influenced cultural understandings of illness and the effect of these ideas on medical treatment and access to healthcare for women, people of color and the poor.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**HOSP1001 Orientation to the Hospitality Industry**

This course introduces the student to the dynamic world of hospitality.

One of the largest industries in the world, hospitality includes travel and tourism, food and beverage, hotels and resorts, meetings and conferences, entertainment, cruising, and theme parks. An overview of this interconnecting service industry also enables the student to explore a large number of career possibilities. This course also exposes the student to various academic opportunities.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP1015 Managing the Hotel Guest Experience**

This course familiarizes students with the foundations of managing the guest experience within a hotel rooms division. Students focus on the critical management components and operational procedures of the front-of-the-house including: management of guest expectations, selling guest rooms and services, rooms forecasting, basic revenue management, teamwork, and interdepartmental relationships.

Prerequisite(s): FSM1001 or HOSP1001 or SEE1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2011 Hospitality Sales and Meeting Management**

This course familiarizes students with the scope of sales, meeting and convention management within the hospitality industry. The reciprocal relationship between selling and service is presented within the context of hospitality marketing practices.

Prerequisite(s): FSM1001 or HOSP1001 or MRKT1001 or SEE1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2040 Human Resources Management in Service Organizations**

Leaders in today's service-related businesses manage a diverse group of employees and are responsible for complying with employment laws and human resource policies. This course prepares students for situations they will encounter as they develop and apply sound human resource management principles. Students learn about the best practices of human resource management including recruiting, interviewing, selection, orientation, training, performance evaluation, discipline, terminations and employee and union relations.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2050 International Tour and Hotel Operations**

This course focuses on cultural, political, legal, and economic forces and their impact on tourism and how hospitality management practices differ among countries. Students plan and participate in tours and professional site visits to gain first-hand knowledge of the international travel experience. This course is taught only on a campus outside of the United States during a study abroad program.

Prerequisite(s): Must be accepted in Study Abroad program.

Offered at Charlotte, Providence

3 Semester Credits

**HOSP2070 The Gaming Industry**

This introductory course is designed to familiarize students with the many facets of the gaming industry. Students gain an understanding of the development of the gaming industry in the United States and a comprehension of the primary forms of gambling. This course delves into the current gaming environment in the United States and researches international gaming destinations. Students are introduced to a variety of career opportunities within the industry.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP2120 Facilities Management in Residential Hospitality**

This course introduces and familiarizes students with the foundations of engineering systems relating to the management of such residential hospitality properties as condominiums, apartments and long-term care facilities. The students should be able to manage engineering system operations and resolve issues encountered daily in any type of residential organization.

Prerequisite(s): HOSP1001.

Offered at Online

3 Semester Credits

**HOSP2260 Exploring the Private Club Industry**

This introductory level course examines the private club industry and its unique operational and managerial characteristics. Emphasis is placed on providing an immersion exploration of understanding the manager's role with the governing board or ownership principals, membership value proposition, staffing and the management of the clubhouse and recreational activities. The student is provided the opportunity to tour clubs and participate in Club Management Association of America CMAA and regional educational and networking experiences.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3005 Leading Service Excellence in the Hospitality Industry**

This upper-level guest service management course is designed to familiarize the student with principles of leading change, process improvement methodologies and how they affect organizations, and employees within hospitality organizations. Focusing exclusively on the unique challenges of the intangible service delivery requirements of the hospitality industry, this course incorporates Six Sigma and Lean methodologies. Emphasis is on root cause identification, problem-solving techniques, process effectiveness measurements in the service environment, and decision-making skills using relevant analytical tools.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3012 Sustainable Hotel Support Operations**

This course gives students a working knowledge of hotel support services, including facilities operations within a lodging context. Essential elements of engineering, housekeeping, and safety and security are discussed from a sustainability perspective. Students focus on managerial, financial and legal issues related to these departments. Current issues of sustainable operations with regard to environmental, social and ecological aspects affecting the hospitality industry are addressed.

Prerequisite(s): HOSP1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3053 Hospitality Strategic Marketing**

This course examines the broad scope of hospitality marketing. The emphasis is on hospitality marketing strategic planning, as well as the use of integrated marketing communications to build relationships. Topics include marketing foundations, strategic planning, consumer/organizational buying, market segmentation/targeting/positioning, and digital marketing.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**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, HOSP1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3085 International Hotel Operations, Development and Management**

This course focuses on the development and management of multinational hotel properties. Students participate in a week-long study abroad experience. Students learn the skills and abilities necessary to become a global hospitality manager, including managing a diverse, multicultural staff; developing strategies to satisfy international guests; and working as an expatriate manager. Trends in the global hotel industry are also examined.

Prerequisite(s): HOSP2040 or MGMT2001, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3087 International Hotel Development**

The course focuses on the development and management of multinational hotel properties. Students learn the skills and abilities necessary to become a global hospitality manager, including managing a diverse, multicultural staff; developing strategies to satisfy international guests; and working as an expatriate manager. Trends in the global hotel industry are also examined.

Prerequisite(s): HOSP2040 or MGMT2001, junior status.

Offered at Online

3 Semester Credits



**HOSP3105 Casino Operations Management**

This course provides students with the tools and techniques necessary to achieve optimal control of a casino operation. The organization of casinos and casino hotels and resorts is illustrated and students explore the areas of licensing, regulations and oversight for these operations. Throughout this course students are exposed to the reporting techniques used to circumvent money laundering, control credit and ensure internal operational control.

Prerequisite(s): HOSP2070.

Offered at Online, Providence

3 Semester Credits

**HOSP3420 Introduction to Residential Property Operations Management**

This course familiarizes students with the foundations of managerial competencies necessary to direct and supervise property-related duties involving such residential properties as condominiums, apartments and long-term care facilities. Students learn to manage operations and resolve issues and problems encountered in day-to-day management situations in any type of residential organization.

Prerequisite(s): HOSP2040 or MGMT2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP3440 Resort, Vacation Ownership and Spa Management**

This course examines the concepts and issues regarding resort management in such areas as ski, beach and golf resorts. The principles and concepts of the marketing and management of vacation ownership properties and spas are covered.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP4040 Hotel Asset Management**

This course focuses on the issues related to the maximization of hotel asset value. Processes of feasibility analysis and benchmarking are covered. Capital investment decision tools, value proposition of franchising and marketing affiliations, and the role of the asset management professional in the hotel environment are also discussed.

Prerequisite(s): HOSP3077.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP4055 Hospitality Operations Analysis**

The course builds on concepts introduced and reinforced in courses across the curriculum in the areas of forecasting, marketing and revenue performance analysis, the management of labor costs, purchasing and inventory control, the integration of changes in the balance sheet with income statement results, and the prioritization of capital expenditures. The course is highly applied in nature and gives students the opportunities to learn and practice the business critical skills they will need upon graduation.

Prerequisite(s): ACCT3150 or FISV2000 (or concurrent), junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HOSP5020 Strategic Marketing in Service Dominant Logic**

This course is designed for students to build on previous marketing knowledge and apply problem-solving and critical-thinking skills important for hospitality business managers and leaders. Students analyze service marketing through the service dominant logic paradigm emphasizing the process of service as a bundle of economic-actor solutions. Through case studies, course readings, activities and student presentation opportunities, students describe the value propositions of each economic actor in the service ecosystem, discuss the interdependent co-creation of value relationship between each economic actor, and identify each actor as a resource integrator. Additionally students examine the service marketing's application to higher education and training, and compare and contrast the needs of these markets with those of hospitality and consumers. Students also generate plans to measure service quality using current and generally accepted marketing tools.

Offered at Online

3 Semester Credits

**HOSP6030 Franchising and Licensing**

This advanced course focuses on growing a business through cooperative strategies, especially franchising and licensing. Economic concepts underlying franchising are reviewed. Students learn to determine when franchising or licensing are appropriate growth strategies for a company. This course covers key management, operations and legal issues involved with these growth strategies. Implementation of a franchising strategy is covered in detail, including policy development, penetration of new markets, fostering franchisor-franchisee relationships through channel communications and creating a sustainable competitive advantage.

Prerequisite(s): HOSP5020 or MRKT5500.

Offered at Online, Providence

3 Semester Credits

**HOSP6050 Benchmarking and Operations Analysis in the Hospitality Industry**

This course is designed to familiarize the student with benchmarking and operations analysis tools and techniques used in the hospitality industry. The process of internal and external benchmarking as well as the analysis of marketing, financial, operational and guest satisfaction metrics are covered. Focus is on the analysis and performance critique of multi-unit operations.

Offered at Online

3 Semester Credits

**HOSP6060 Corporate Social Responsibility**

This course provides a conceptual and practical overview of the role of a business in contemporary society. Students use academic literature and current business scenarios to explore the social context of economic systems. Students further examine the concepts of business ethics and corporate legitimacy through the lens of contemporary business practices.

Offered at Online, Providence

3 Semester Credits

**HOSP6080 Experience, Adventure and Education Tourism**

This course is intended to give students an in-depth analysis of consumer motivation for participatory travel relating to hands-on experiences, involved education and adventure tours. Focus is on the management of businesses whose products provide deeply memorable experiences for those participating in an activity. The course examines ecotourism, culture-based tourism, gastro-tourism and adventure travel. Students explore the history, outcomes and future potential of experience tourism in various global destinations.

Offered at Online, Providence

3 Semester Credits

**HOSP6120 Organizational Behavior in the Hospitality Industry**

This course is designed to immerse the student in the basic concepts of organizational behavior and organizational structures in the context of the hospitality industry. Focus is on the impact of structural and leadership models that have proven successful in the intangible service delivery environment. Emphasis is also placed on the management of diverse personality types and skill levels, effective leadership and motivation of cross-functional teams, and design of financial and non-financial incentives to drive performance.

Offered at Online, Providence

3 Semester Credits

**HOSP6130 Competitive Strategies in Hospitality**

This course provides students a thorough view of strategic management in the context of the hospitality industry. Students are exposed to the operational strategic response to internal and external conditions. Students analyze hospitality companies and make recommendations as a result of the strategic management process.

Offered at Online

3 Semester Credits

**HOSP6509 Hospitality and Tourism Global Issues**

This course presents an advanced study of the evolution, growth, mission and roles of the different types of senior property managers and corporate officers of various hospitality and tourism organizations. The course explores major emerging issues and problems that impact the domestic and global lodging industry, as well as current issues and trends confronting the fast development of tourism activity at both national and international levels. Students acquire the knowledge, skills and attitudes necessary to undertake leadership roles in the increasingly interdependent and complex hospitality industry. Group and individual research examine trends, as well as industry-wide problems and concerns of current interest.

Prerequisite(s): RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

**HOSP6526 Information Technology in Hospitality and Tourism**

This course is designed to provide the student with a perspective of the technological needs of a hospitality/tourism organization. Students conduct research in the areas of data and analytics, customer experience, point-of-sale, property management, online tourism marketing, and information security. Students explore the issues pertaining to operations and management in the industry by employing creative problem-solving solutions utilizing today's information technologies.

Prerequisite(s): RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

**HOSP6900 Hospitality Capstone**

This capstone course prepares students for specific career goals by drawing on knowledge from other courses and relating them to their intended future in the hospitality industry. Students develop a research project that demonstrates their professional writing abilities and their ability to apply advanced hospitality/education theories in simulated or real-world situations.

Prerequisite(s): HOSP6130.

Offered at Online

3 Semester Credits

**HRM5010 Human Resource Management**

This course provides students with an overall study of human resource management. Students learn about the different personnel management systems and how each is interdependent in supporting organizational strategy. Case studies and exercises are used to provide analogous scenarios for students to apply course knowledge.

Offered at Online, Providence

3 Semester Credits

**HRM5020 Labor and Employee Relations**

This course presents various labor and employment law issues that employers and employees confront in today's union and non-union corporate environments. The course surveys the effects of union organization and representation, collective bargaining negotiations, the grievance and arbitration processes, and the laws, agencies and issues impacting labor-management relations in the public and private sector. Also discussed are various other legal issues including privacy, wages and salaries, and employee misconduct.

Offered at Online, Providence

3 Semester Credits

**HRM5030 Strategic Compensation and Benefits**

This course reviews the fundamentals of wage and salary programs, including developing job descriptions, performing job evaluations, conducting salary surveys, adjusting pay structures, considering differentials and relating pay to performance. Benefit programs and related employee incentive and service programs are also covered. Ways to link performance to both monetary and non-monetary rewards are reviewed, including profit sharing, bonus plans, stock options, awards and special rewards for managerial personnel. Legislative restraints and tax treatments are discussed and behavioral theories are highlighted as they apply in this area.

Offered at Online, Providence

3 Semester Credits

**HRM5040 Organizational Training and Development**

This course examines the role of human resource development in organizations as a tool for enhancing employee performance and assisting organizations with managing change. Strategies for assessing, designing, implementing and evaluating training and organizational development initiatives that advance employee and organizational performance are analyzed. This course also explores the role of human resources in impacting executive leadership, line management and staff development. Other topics discussed include succession planning, on-boarding, orientation, performance appraisals and coaching.

Offered at Online, Providence

3 Semester Credits

**HRM5050 Strategic Recruiting, Retention and Succession**

This course addresses the legal, ethical and economic factors that affect recruitment, selection, placement and appraisal. Students distinguish among effective recruiting methods using internal and external selection processes. This course also discusses the requirements for a comprehensive job analysis and the development of job descriptions. Other topics discussed include organizational exit, retention, succession planning and employee records management.

Offered at Online, Providence

3 Semester Credits

**HSC1010 Introduction to Health Professions**

This course is designed to survey different types of health professions for those in pursuit of a healthcare career. Students are provided with information about all training, educational and certification requirements for the professions discussed in class. Students learn how each of the professions plays a role in providing care in the healthcare system and how the professions interact with one another. Case studies introduce students to different scenarios in which various healthcare professions interact to solve complex patient problems.

Offered at Charlotte, Online, Providence

1 Semester Credit

**HSC1020 Medical Terminology**

This course provides an overview of medical terminology, the basis of the language used in healthcare. Students are introduced to the principles of medical word building, analysis and pronunciation, and define and interpret medical word parts and terms associated with the body using a systems approach. Common medical abbreviations applicable to each system are also defined.

Offered at Charlotte, Providence

1 Semester Credit

**HSC1100 Determinants of Health**

This course provides students with an overview of the determinants of health as described by the Centers for Disease Control and Prevention (CDC) and the World Health Organization (WHO). The determinants of health are critical for understanding the impact of factors outside of genetics/biology on a population's health. A variety of topics are examined including a population-based overview of the determinants of health using the framework of social, physical, ecological and behavioral causation.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC1230 Introduction to Public Health**

This course explores what public health means and how it impacts our lives through environment, policy, communication and personal relationships. Students are introduced to the basics of the public health system, covering the basic definition of public health, how we analyze public health problems, defining the biomedical basis of public health, and describing social and behavioral factors related to health interaction and medical care issues. This course uses case studies and real-life scenarios of challenges faced and the strategies implemented for working with communities on specific health issues that have the potential to impact a population.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2100 Epidemiology**

This course provides a systematic approach for acquiring and evaluating information on the distribution and causes of disease and other health outcomes in populations. Topics include epidemiologic methodologies utilized in health-related areas other than public health, such as clinical medicine, health administration, dentistry, occupational health and nursing. The link between epidemiology and the traditional liberal arts, such as social justice and health disparities, is discussed.

Prerequisite(s): HSC1230, MATH2001 or MATH2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2130 Mindfulness for Health & Wellbeing**

This course provides students with the opportunity to learn the principles of mindfulness, develop their own mindfulness mediation practice, and apply principles of mindfulness to daily life. This course also provides students with an overview of the relationship between mindfulness meditation and physical and mental health. Students learn mindfulness strategies to work with thoughts, emotions and sensations, while developing their capacity to enhance mind-body awareness of present-moment experience. Students in this course research the evidence supporting the use of mindfulness and meditation to improve overall physical and mental health outcomes. This course also introduces students to the public health implications of incorporating mindfulness into community-based and traditional medical settings. This course combines didactic, experiential, group and presentation-based learning.

Prerequisite(s): HSC1230 or PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2230 Introduction to Global Health**

This course introduces students to the major global health challenges, programs and policies that countries throughout the world make decisions about on a day-to-day basis. Students are introduced to the differences in global health status and disease prevalence and many of the factors that play a role in the reasons why some countries are able to eradicate disease more easily than others. Political, monetary and ideological values, as well as environmental factors, all play a role in creating health disparities globally. Discussion includes why people in some countries are healthier than those in others and why there are differences in resource allocation among these countries. Students are introduced to principal global health concepts such as the burden of disease, epidemiology, policy analysis and comparative health systems. Students learn to differentiate problems across countries and use learned skills to problem solve and communicate policy goals.

Prerequisite(s): HSC1230.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2310 Introduction to Healthcare in the United States**

This course introduces students to the organization, finance and delivery of healthcare in the United States. Students discuss how the structure of the healthcare system affects health outcomes for all populations. As part of this course, students explore the underlying principles of public and private health insurance. The course focuses on health policy reforms for both payers, providers, and patients and the challenges often faced with implementing reform. The influence of politics, economics, and environmental factors on delivery of healthcare services is discussed as well as how those factors affect patient outcomes and decision-making. In addition to the payment system, the course also introduces students to where healthcare is delivered and how care is regulated at both the state and federal level.

Prerequisite(s): HSC1230.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2330 Healthcare Organizational Theory and Management**

Students in this course examine the dynamic nature of organizations in the health services field and the administrative approaches in public and private agencies in the health sector. The healthcare system in the United States operates outside of traditional business norms, requiring leaders to understand the management principles that deliver healthcare services with high quality outcomes all while maintaining costs. Students explore healthcare management techniques through the lens of patients, providers and payers. This course also examines various principles of strategic management amidst the ever-changing regulatory environment with a focus on improving organizational efficiency, effectiveness and efficacy through leadership principles.

Prerequisite(s): HSC1230.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC2400 Research Methods for Health Science**

This course introduces students to ecological, experimental and observational research methods that are necessary to conduct research in the health sciences and public health. Students discover the differentiating contributions of qualitative and quantitative research methods to the understanding of health and the disease process, as well as explore the role of innovative research designs, such as community-based participatory research, ecological momentary assessment, and mixed-methods designs. Students explore the relationship between methodological decisions and the strength of research findings. As part of the course, students develop a working knowledge of measurement theory; the validity and reliability of health-based measures; and population sampling techniques. Research ethics, including research funding and dissemination, are emphasized through historical and modern lenses, and past ethical errors relevant to the development of modern bioethical principles are discussed. Ethical codes created and supported by the American Medical Association and the American Public Health Association are prioritized. Students demonstrate their knowledge through the development of a research plan on a health or public health topic of their choice.

Prerequisite(s): (ESS2010/ESS2015 or HSC1230) and MATH2001 or MATH2010, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC3200 Health Education and Program Planning**

This course is a study of the processes involved in planning health education and health promotion programs. Emphasis is on community analysis, including social assessment, epidemiological assessment, behavioral assessment and environmental/ecological assessment. Program implementation and assessment are also examined. Additionally, behavior theory is discussed to reflect the symbiotic nature between the target population and the service provider(s).

Prerequisite(s): HSC2100, MATH2001 or MATH2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**HSC3300 Comparative Healthcare Systems**

This course is designed to provide an in-depth survey of the structure, function and comparative performance of a variety of healthcare delivery and financing systems in the U.S. and other countries, and explores contemporary issues affecting the institutions that provide healthcare and the people who seek health services. The course also covers the historical development of international healthcare systems, the organization and financing of systems of care, and the policy process and priority setting. Finally, the course covers current efforts at healthcare reform.

Prerequisite(s): HSC1010, HSC1230.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC3410 Quality Improvement in Healthcare Organizations**

Quality improvement in healthcare is designed to improve patient safety, patient-reported outcomes, and overall health equity among patient populations. Students in this course learn about the history of quality improvement and how this movement significantly changed the healthcare landscape in the United States during the past few decades. This course also covers methods for measuring, managing and improving the quality of healthcare. Students learn the principles of quality improvement and how to apply these principles in practical healthcare settings. This course focuses on current reform efforts focused on use of performance measures, quality reporting, and incentives as a way to improve quality across the healthcare system.

Prerequisite(s): HSC2330.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC3430 Healthcare Research Ethics**

In this course, students discuss research ethics and management within a healthcare setting. Preceding events to the implementation of modern research policies are explored, and students learn the role of the institutional review board. Students discuss the grant acquisition process, intellectual property issues in research, conflicts of interest and publication ethics.

Prerequisite(s): HSC2400.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC3500 Current Issues in Health**

This course allows students to examine the etiology and outcomes of recent or novel health events. Emphasis is put on developments within the health, public health, and healthcare fields within the previous 12 months, and topics may be nationally or globally relevant. Potential topics include emerging infectious disease outbreaks, changes in chronic disease trends, health care reform, and program or policy implementation. The course requires students to apply practical and theoretical knowledge towards the discovery of the causes of disease and the identification of effective disease prevention or treatment plans.

Prerequisite(s): HSC2100.

Offered at Charlotte, Providence

3 Semester Credits

### **HSC4100 Health Policy, Ethics and the Law**

This course is designed to introduce students to topics that involve ethical issues in decision-making for public health issues that society faces every day. Students are exposed to a variety of issues in public health and provided examples of the process used to determine ethical trade-offs before decisions are made in the world of public health and healthcare. Topics include issues of conflict with values held by some stakeholders or members of the public; political and social circumstances; and when to impose restrictions on the freedom of individuals to protect the health of the community and the duties and obligations owed by citizens to the wider community.

Prerequisite(s): HSC1230, HSC2100.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC4310 Innovations in Healthcare Finance and Delivery Systems**

Alternative payment models have emerged as innovative ways to contain costs and increase quality in delivery of healthcare services in the United States. Students in this course explore the new approaches to improving efficiency in care delivery and how to develop new ways to pay for that care. This course introduces students to the different strategies used in pay for performance programs, accountable care organizations, and other reforms implemented for provider-based incentives and care coordination. This course also explores the different health reforms passed as a way to integrate payment and service delivery to patients in the United States.

Prerequisite(s): HSC2310.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC4900 Data and Evidence in Health: Research Capstone**

This course is designed to provide students with a context for performing research using different types of health data and to understand the differences across data types. Data as a decision-making tool is discussed as it pertains to issues in health, including making public health policy decisions, implementing new legislation, or deciding whether or not a drug is effective. Students perform an independent research study, beginning with the conceptualization of the research question, to selecting the appropriate data to create an analysis to be shared with colleagues. This is a capstone course that teaches students to transform their fundamental knowledge of public health research and methods in order to complete a research project using methods appropriate for public health research questions.

Prerequisite(s): (ESS2010/ESS2015 or HSC2100), HSC2400 and MATH2001 or MATH2010, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **HSC5020 Foundations of Public Health**

In this course, students explore the history of public health, and trace the historical developments that have led to modern U.S. public health structure and function. Integration of public health services within the healthcare and other related systems is discussed, and students compare the U.S. public health and healthcare systems with those implemented abroad. Students also learn issues related to workforce development within the public health field and assessing future needs in this area.

Offered at Charlotte, Providence

3 Semester Credits

### **HSC5080 Health and Healthcare**

Using the Social Ecological Model as a guide, students learn the intra-personal, interpersonal, community, cultural, economic and political determinants of health. Health inequities that arise due to the social determinants of health are discussed, and relevant sociological concepts, such as social justice, are introduced. Students also discuss the role of globalization on health, including international trade, transnational corporations, and the internationalization of health. All topics are discussed within the context of national and international health concerns.

Offered at Charlotte, Providence

3 Semester Credits

### **HSC5100 Healthy Planet**

Students discuss the environmental factors that influence population health, including pollution, environmental degradation, and climate change. Students also learn about the relationship between the health of the environmental ecosystem, animal health, and human health using the "One Health" model as a guide. Policy and regulations related to environmental health, and their impact on health, are discussed. As part of these discussions, students learn the details of the policy-making process and the ethical principles used when considering environmental interventions.

Offered at Providence

3 Semester Credits

### **HSC5120 Health Trends**

Students learn the core epidemiological principles and practices that are used to determine the health status of communities. Students then apply these principles to examine the major causes and trends of morbidity and mortality at the local, state and national level. The utility of disease prevention efforts, such as screening and health promotion, at multiple stages of disease are discussed, and students learn to assess community health needs and disease prevention capacity.

Offered at Charlotte, Providence

3 Semester Credits

### **HSC5150 Chronic Disease Prevention and Control**

Students in this course are introduced to the basic principles of biostatistics while applying those principles to the prevention and control of chronic disease. Chronic diseases are defined and characterized. Foundational principles of biostatistics are then introduced, including data types and distribution theory. Students learn to use descriptive and inferential statistical tests to identify disease trends, the risk and protective factors of chronic disease, and the effectiveness of chronic disease interventions.

Offered at Charlotte, Providence

3 Semester Credits

**HSC5180 Discrimination and Health**

Students in this course discuss the role of historical and modern privilege, prejudice, discrimination and racism in shaping the current health and healthcare environment. Students learn how discriminatory policies and practices, past and present, from the individual to the structural level, negatively impact population physical and mental health throughout the life course and lead to health inequities. Students also discuss the effectiveness of efforts and interventions to reverse these trends.

Offered at Providence

3 Semester Credits

**HSC5220 Insights into Vulnerable Populations**

In this course, students learn qualitative research methods while exploring issues related to sexual and reproductive health. The purpose and usefulness of key informant interviews, focus groups, medical record reviews, and other forms of archival review are discussed, and qualitative data analysis techniques are introduced. Students then learn how to use qualitative research to investigate relevant topics such as sexual and gender expression, sexual well-being, sexual assault, discrimination against sexual minorities, and culture and gender-based norms.

Offered at Charlotte, Providence

3 Semester Credits

**HSC5260 Advocating for Healthier Diets**

Students in this course learn how to resolve issues in the American food system and the American diet by using a systems thinking approach. Using visual models as a guide, strengths and deficits in the food system are identified, and potential change targets are detected. Then, students learn how to build coalitions and advocate for policy and program change as a key tool to improve the public's health.

Offered at Providence

3 Semester Credits

**HSC5290 Combatting Infectious Disease**

Preventing the spread of infectious disease has re-emerged as a key factor in significantly improving the public's health. In this course, students learn the epidemiology of infectious diseases, including types of agents, disease spread, invasiveness, virulence, and effective public health interventions. Then, students learn best practices when communicating to different population groups about infectious disease to decrease barriers to use and increase fidelity of infectious disease interventions. The role of cultural competence in public health communications is also discussed.

Offered at Providence

3 Semester Credits

**HSC5320 Cultural Competency to Improve Health**

Students learn U.S. and worldwide historical and current trends in mental illness, including disease screening efforts and DSM-V and ICD-11 diagnostic criteria. Risk factors and protective factors at the individual, interpersonal, community and environmental level are explored, and treatment options are discussed. Students discuss the impact of culture and language on the recognition and approach to mental health, including barriers and stigma that may arise. Students then develop a culturally competent program to decrease the burden of mental illness.

Offered at Providence

3 Semester Credits

**HSC5350 Diversity, Equity and Inclusion**

Students discuss the issues of diversity, equity and inclusion (DEI) as an essential part of team, program and organizational development. Students learn fundamental DEI principles, different groups that DEI initiatives need to consider, and held biases against such groups. The function and application of DEI in team building, leadership, and workplace environment are examined. Students also discuss the individual and societal effects of DEI initiatives.

Offered at Providence

3 Semester Credits

**HSC5380 Policy of Addiction**

In this course, students discuss current trends in the use of legal and illegal psychoactive substances, such as tobacco, alcohol, marijuana and opioids. State, national and international policies that prevent or promote psychoactive substance use are explored, and the effect of policies on substance use are discussed, with a focus on the role of policy in creating or eliminating health disparities. Then, students learn how to evaluate policy effectiveness using scientifically appropriate methodologies.

Offered at Providence

3 Semester Credits

**HSC5420 Community Organizing**

In this course, students learn the principles, purpose and activities involved in community organizing for a public health-related cause. Real-world examples are used to demonstrate effective and successful organizing activities. As part of this process, students discuss leadership theories, management strategies, negotiation tactics, and the role of mediation. Students also learn to identify the necessary tools and resources required for a successful community-organizing campaign and ensure long-term sustainability.

Offered at Providence

3 Semester Credits

**HSC6110 Epidemiology and Food Safety**

This course provides students with an introduction to epidemiologic methods used in foodborne disease outbreak investigation. Emphasis is put on the importance of surveillance in detecting various types of foodborne disease (e.g. bacteria, virus, parasite, etc.). In particular, students learn systematic approaches for collecting and analyzing data on the distribution of foodborne illness to identify the points of contamination and causes of foodborne disease. Both epidemiologic methods and molecular methods are presented to identify the causes of foodborne disease outbreaks. Finally, students evaluate the effectiveness of foodborne disease outbreak investigations using various case studies.

Offered at Online, Providence

3 Semester Credits

**HSC6120 Improving Community Health**

With faculty support, students work with community partners and stakeholders to apply learned knowledge in real-world settings. In the classroom, students learn the principles and process of developing community interventions and producing high-quality work products to improve population health.

Prerequisite(s): HSC5220.

Offered at Providence

3 Semester Credits

**HSC6920 Public Health Capstone**

Students in this course complete an integrative learning experience under faculty supervision. Students learn to apply their foundational public health knowledge to real-world situations using scientifically and field appropriate methods.

Prerequisite(s): HSC6120.

Offered at Providence

3 Semester Credits

**HUM3060 History/Sociology Abroad**

The course is a merger of two disciplines in an attempt to gain understanding of the human experience while living in a particular culture. The summer program is a unique hands on opportunity supported by pre-trip research and assignments. The goal is to leave the visited country with disciplined insight into the history and society of the foreign country.

Offered at Providence

3 Semester Credits

**HUM3200 Honors Seminar: American Music Cultures**

This honors seminar introduces students to the foundational texts of cultural studies, popular culture studies, musicology and ethnography, and builds toward an understanding of how we use music to create and maintain social identities. Students complete research projects on a particular musical genre and subculture. Focus is on cultural analysis within social and historical contexts (drawing on the fields of literary criticism, history, sociology and music), which provides students with an opportunity to analyze and synthesize complex material encompassing multiple disciplines. Students are equipped with skills essential to the production of an Honors thesis, based on original research and analysis. A technical understanding of music and music theory is not a prerequisite for this course.

Prerequisite(s): ENG1024 or English placement, honors or SHARP status, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**IBUS2002 International Business**

This course is designed to provide structured approaches for analyzing the rapidly evolving field of international business. Topics include the nature of international business, the international monetary system, the foreign environment, and strategies of how management can deal with environmental forces. Selected case studies should encourage students to evaluate and discuss courses of action taken by companies and industries in the global marketplace. Theoretical foundations of international business and real-world scenarios help prepare students to operate more effectively in the changing global business environment.

Prerequisite(s): BUS1001, sophomore status.

Offered at Online, Providence

3 Semester Credits

**IBUS2020 Seminar on the European Union**

This course deals with the detailed study of the development of the European community and the implications that it has for American business. Specific companies in selected countries are studied as to how they are affected by community laws, tariffs and production regulations. Considerable emphasis is placed on outside speakers, articles and video cases.

Prerequisite(s): ECON1001.

Offered at Providence

3 Semester Credits

**IBUS2031 Global Studies: China**

This course provides an integrative view of Chinese business, economics, politics, culture and history. Students discuss current events and their relevance with respect to international trade and business relations. The interdisciplinary approach challenges students to critically evaluate existing business models for China and provides them with the information and intellectual flexibility that cross-cultural managers need to keep up with the fast pace of business development in the region.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS2032 Global Studies: Pacific Rim**

This course introduces students to the cultural, political, business, trade and economic contexts of the United States' most important trading partners on the Pacific Rim. Students immerse themselves in discussions and workshops that are focused on all business related dimensions of international trade. The course is intended for students who are interested in International Business or are considering business careers that require interdisciplinary skills and the emotional intelligence to navigate a multidimensional global business environment.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS2033 Global Studies: Latin America & the Caribbean**

This course addresses the many characteristics of this region, from wealthy areas to poverty stricken countries. Our southern neighbors are struggling with democratic norms, repression, and economic and business development. Culturally diverse, people of the region have found ways to express themselves through modern and traditional art. Students engage in discussions and projects that challenge them to analyze a variety of business and trade models for this dynamically growing area of the world.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS2034 Global Studies: Russia & Eastern Europe**

This course give students insight into two regions that despite economic modernization and democratization have yet to catch up to the living standard of their western neighbors. Russia and Eastern Europe are facing challenges that are — in part — created by their vast geographical expanse, diverse cultures and struggles to leave communist political, economic and business structures behind. Students work with case studies and engage in project work to analyze dynamically evolving business and trade opportunities.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS2036 Global Studies: Africa & the Middle East**

This course enables students to undertake interdisciplinary research of African and Middle Eastern business, economic development, politics, culture, art and history. As a foundation, students gain insight into the geographic, demographic and socio-economic characteristics of the region. Rigorous discussion addresses the problems of economic development, with emphasis on economic growth, international trade, and structural change. In case studies using recent business scenarios, students analyze current problems and propose strategies that might address them. Projects help students focus on how to expand business relations to the region.

Prerequisite(s): ECON1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS3040 International Culture and Protocol**

This course focuses on cultural diversity. Students gain knowledge of international cultures and protocol, which are the critical building blocks of success in conducting business internationally. The ability to build bridges between people from different countries and with different ethnic backgrounds is emphasized in this course.

Prerequisite(s): BUS1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS4055 International Resource Management**

Slow economic growth and sovereign debt mark an era of economic and managerial reorientation and renewal. Students explore the opportunities of efficient resource use and innovation as a creative response to changed international economic and trade conditions. The course analyzes environmental realities on five continents and uses methods of environmental economics and business management to explore the effects of trade patterns and their impact on the quality of life internationally. Alternative approaches to energy production, trash management, and other resource relevant issues are discussed. Students completing this course have a better understanding of the new, post-material economy and its demands on individual and managerial change.

Prerequisite(s): ECON1002 or IBUS2002, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**IBUS4082 Operations Management and Process Improvement Abroad**

In this course, students actively participate in an operations continuous improvement project with an international corporation abroad. Hosted by an international partner, students spend a week in classes and lectures, preparing for an intensive project week. Students focus on a continuous improvement and cost management project, working directly with the corporation's executives and staff. Along the way students have a chance to tour the host country and visit key cultural sites. This experience provides a professionally focused work experience in their future field and opportunities to learn to navigate cultural barriers when working with an international management team.

Prerequisite(s): ACCT3035 or MGMT2030, 3.0 cumulative GPA.

Offered at Charlotte, Providence

3-6 Semester Credits

**IBUS5511 Global Economic Environments**

This course presents various theories and practices of globalization, international trade, importing, exporting, finance and international risk assessment. Topics examined include globalization, absolute and comparative advantage, tariffs, non-tariff barriers to trade, importing and exporting, regional trade agreements, trade policies for developing nations, immigration, foreign investment, and the effect of public policy on international trade. In addition, students gain insight into the ethical, international and multicultural dimensions of organizational behavior.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

**IBUS6020 Global Business Negotiations**

This course is designed to provide students with the theory and practice of international business negotiation that would allow them to conduct talks successfully in a variety of international settings. It exposes students as managers to a broad spectrum of business negotiation issues across the board and assists them to feel comfortable in an interactive international trade environment. A basic assumption of the course is that the contemporary manager handling business internationally is required to have both analytic and interpersonal skills to conduct full-fledged negotiation effectively and successfully. This course is designed to give students the opportunity to develop these types of negotiation skills through a learning experience. Every class deals with an aspect of negotiation in-depth, explains various key notions, discusses home-assigned readings, and investigates important issues that have been brought up with regard to the way prospective managers handle negotiation.

Offered at Online, Providence

3 Semester Credits

**IDES1010 Introduction to 3D Design**

This class is a hands-on introduction to designing in form and space. Students investigate form, perception and descriptive language across a variety of mediums. Students experiment with measurement techniques (manual and digital) and practice using projected drawing documentation.

Offered at Providence

3 Semester Credits

**IDES1030 Direct Modeling**

Direct modeling introduces students to Computer Aided Design (CAD).

Students study the current landscape of CAD technologies and how different software tools match up with common design problems. The class then focuses on one common direct modeling software to teach the basics of 2D drafting, 3D modeling and output workflows.

Offered at Providence

3 Semester Credits

**IDES2010 Human Factors**

This class introduces the concepts of ergonomics, usability and user-focused design. Students study human performance including physical, psychological and behavioral capabilities and how our understanding of those capabilities determine aesthetics and standards in design practice. Students conduct primary and secondary research and use case studies to discuss how research can inform design process. A final project assessing and proposing a modification to an existing product allows students to apply their understanding of how user needs can drive design decision-making.

Offered at Providence

3 Semester Credits

**IDES2020 Studio - Iteration**

This course focuses on iteration and prototyping, the core of an investigative design process. Students experience a variety of prototyping techniques and learn of their application. Students develop a series of design proposals, using the critical ideation cycle: 1) Ideate, 2) Prototype and 3) Evaluate.

Offered at Providence

3 Semester Credits

**IDES2030 Studio - User Centered Design**

This course further develops the understanding of human factors in design and challenges students to practice the iterative approach to develop a series of design proposals that demonstrate user-centered design.

Prerequisite(s): IDES2010.

Offered at Providence

3 Semester Credits

**IDES2040 Materials and Processes**

This course develops a practical understanding of physical, digital and virtual materials and material conversion processes used in product development. Students investigate material properties through research, simulation and prototyping. Students use basic statics calculations to quantify material properties and make performance predictions. In short design projects, students incorporate their understanding of material properties and material conversion processes into their use of Computer Assisted Design tools.

Offered at Providence

3 Semester Credits

**IDES2050 Parametric Modeling**

Parametric modeling introduces students to Parametric Computer Aided Design (CAD). Students contextualize parametric CAD software within the current landscape of CAD technologies and how different types of parametric CAD (BIM, solid modeling, visual programming) apply to common design problems. The class then focuses on one common parametric modeling software to teach the basics of 2D drafting, 3D modeling and parametric workflows, focusing on the unique capabilities and efficiencies offered by parametric CAD.

Offered at Providence

3 Semester Credits

**IDES2060 Studio - Form Finding**

This course explores the relationships connecting form, aesthetics, human factors and material optimization. Methods of form finding are introduced through a series of design proposals. Each project emphasizes varying connections and priorities.

Offered at Providence

3 Semester Credits

**IDES3010 System Design**

This course introduces system thinking and system design techniques. Students practice interpreting, visualizing and analyzing products, organizations, and experiences as systems. Practices include diagramming, modeling and simulating. Students examine products in both micro and macro systems.

Offered at Providence

3 Semester Credits

**IDES3020 Studio - Systems of Production**

In this course students work with materials and processes and incorporate system design. Students develop a series of design proposals, each associated with an existing production system and the associated material and process constraints.

Prerequisite(s): IDES2040.

Offered at Providence

3 Semester Credits

**IDES3030 Simulation, Analysis and Optimization**

This course expands on students' understanding of systems thinking and their ability to predict and optimize system performance. Specifically, students practice modeling systems using qualitative and quantitative representation. Students practice using basic statistical methods to quantify system performance and draw relationships between system input, system relationships and system output. Students explore modern simulation techniques to make predictions of complex or stochastic processes.

Prerequisite(s): IDES3010.

Offered at Providence

3 Semester Credits

**IDES3040 Studio - Ethical Design**

This course challenges students to expand their consideration of the impact of design beyond the end user and direct stakeholders. Projects require students to address the broader impacts of a design proposal, the responsibilities of a designer to society, how one navigates conflicting obligations, and how user needs are valued and prioritized.

Offered at Providence  
3 Semester Credits

**IDES3050 Emerging Design Technologies**

This course is an opportunity for students to explore the cutting edge of CAD, CAM, RP, IoT and other technologies driving changes in the design industry. The course starts with a broad survey of current technologies and trends. Students then research particular areas of interest more deeply. Visits to local advanced design and manufacturing businesses offer opportunities to see emerging technology in practice. Students concentrate on a particular technology and apply it to a short-cycle design problem.

Prerequisite(s): IDES1030, IDES2050.

Offered at Providence  
3 Semester Credits

**IDES3090 Design Studio**

Design Studios form the backbone of design thinking at JWU, enabling JWU students from any discipline to join diverse teams and solve open-ended design problems. Project teams are assembled by faculty around the skills and experience of the students, intermingling design majors and their expertise with the diverse skills and experience found among students from across Johnson & Wales. Students have the opportunity to enroll in the class up to five times, honing their problem-solving through scaffolded experiences of increasing complexity and responsibility. Experience 1: Iterating, testing and creating. Experience 2: Research, reporting and assessing. Experience 3: Drawing conclusions and making decisions. Experience 4-5: Defining the problem, planning and leading. Students work across teams on skills in iteration, user-centered design, ethics, computational design/form finding, and designing in collaboration and context. Design Studio projects vary each semester, arising out of ongoing research agendas within the department, inter-departmental collaborations, external sponsors, and student capstone projects.

Prerequisite(s): Sophomore status.

Offered at Providence  
4 Semester Credits

**IDES4010 Studio - Computational Design and Informatics**

Through a series of design proposals, students practice using data-driven decision-making which may include generative design, simulation, and optimization. Additional computational design tools are introduced at the discretion of the instructor.

Prerequisite(s): IDES3030.

Offered at Providence  
3 Semester Credits

**IDES4020 Studio - Collaboration and Context**

This course adapts the design process developed in prior studios to operate effectively on a variety of contextual collaborations. Each class works with external clients, requiring students to navigate complex relationships and communicate effectively with a variety of stakeholders. Students learn and practice current best practices for managing collaborative design processes. Students develop their ability to design in context by expanding their interpretation of human factors to include design for institutions, organizations and demographic groups. Students demonstrate global empathy by considering their project through an international lens.

Prerequisite(s): Completion of 12 credits of Integrated Design Studio courses.

Offered at Providence  
3 Semester Credits

**IDES4030 Preparation for Capstone Project**

In preparation for the capstone project course, students develop and refine their own design perspective. Through researching areas of interest and practice composing questions to serve as the basis for further investigation, students develop and submit their capstone design project proposals for approval, prior to enrollment in the capstone project course. Students are encouraged to collaborate with an external sponsor in their self-directed capstone project which must be planned and incorporated into the design project proposal.

Prerequisite(s): Senior status.

Offered at Providence  
1 Semester Credit

**IDES4050 Capstone Project**

This capstone design project embodies the individualized design process each student has developed and refined over the studio course sequence. Students build a project plan to meet the objectives of the course based upon their pre-approved proposals.

Prerequisite(s): IDES4030.

Offered at Providence  
3 Semester Credits

**IDES5030 Food Systems Design Methodology**

This course integrates design thinking and systems thinking into a flexible methodology which students use to analyze and improve contemporary food systems. Students propose an intervention to solve or mitigate a systemic issue within a food system while considering the interactions between individual components and large-scale system dynamics.

Offered at Providence

3 Semester Credits

**IDST1001 Introduction to Interdisciplinary Studies**

This interdisciplinary studies course focuses on preparing students to design and plan a major in Interdisciplinary Studies: DYO. Students learn about academic disciplines and the growth of interdisciplinary programs in universities and analyze interdisciplinary research to understand the strategies used in interdisciplinary academic work. In addition, they apply self-assessment, interviews and library research on the uses of interdisciplinarity in the workplace and civic life. Each student creates a potential course of study for an individualized Interdisciplinary Studies: DYO major that addresses a theme, problem or issue.

Offered at Providence

1.5 Semester Credits

**IDST3100 Interdisciplinary Project Development**

This Interdisciplinary Studies: DYO course focuses on interdisciplinary project development. Students analyze various methods of communicating interdisciplinary ideas in a variety of forms and genres including personal reflection, narrative, scholarly writing, oral presentation, portfolio building, and writing a proposal. Students use research and self-assessment strategies to evaluate their self-designed major and propose any necessary revisions. The course will culminate in the creation of a plan for a senior-year capstone project.

Prerequisite(s): IDST1001, junior status.

Offered at Providence

1.5 Semester Credits

**IDST4900 Interdisciplinary Studies: DYO Capstone Project**

This course offers Interdisciplinary Studies: DYO students the opportunity to develop and complete a self-designed capstone project. This project is completed in consultation with their faculty advisers. Students engage in independent research, writing, and other appropriate forms of independent engagement with their chosen project.

Prerequisite(s): IDST3100, senior status.

Offered at Providence

3 Semester Credits

**IDT5100 Principles of Instructional Design**

This course introduces students to the steps involved in the instructional design process and different models of instructional design that are used to adapt the process to various organizational environments. Students learn how to analyze an instructional need and develop instruction that meets the need. Students also consider how to evaluate the instruction after implementation to determine if it was effective or needs revision.

Offered at Online

3 Semester Credits



**IDT5300 Digital Tools for Learner-Centered Environments**

This course explores the current and potential impacts of new and emerging technologies on instructional design in higher educational and corporate environments. An emphasis on interactive approaches that increase learner access, persistence and engagement as well as designs that yield evidence of learning for all learners are the focus of this course. Students investigate the principles and theories of the Universal Design for Learning (UDL) framework and apply them to an instructional design project. Students also learn how to use and evaluate a variety of current and emerging technological tools to create learning experiences for all learners within the framework of UDL. Additionally, students explore and evaluate various delivery platforms and software, including Learning Management Systems (LMS).

Prerequisite(s): EDUC5145, IDT5100.

Offered at Online

3 Semester Credits

**IDT6300 Project Management for Learning and Development**

This course prepares students to use project management principles and tools within a real-world education or training environment. Students define the role of a project manager, establish criteria for reporting and monitoring project progress, and apply strategies for overcoming risks to deliver learning projects on-time and within the allocated budget. Students learn how to appraise and meet stakeholder expectations, manage external vendors, and adapt to changes as they arise over the life of a project. The culmination of the course includes an opportunity for students to produce a project plan to be applied to an instructional design case study.

Offered at Online

3 Semester Credits

**IDT6600 Emerging Trends in Multimedia**

In this course, students analyze and assess the ecosystem of available e-learning authoring tools meant to engage users in learning that is highly interactive, adaptive and multichannel in its approach. Students examine how interactivity affects learning and have the opportunity to critique and create data-driven infographics, job aids, playbooks, branching/scenario-based e-learning, videos, animations, interactive videos, microlearning, podcasts, virtual reality and simulations. Students also demonstrate how the use of a storyboard and prototype will propel their ability to gain stakeholder buy-in for any proposed learning solution.

Prerequisite(s): EDUC5145, IDT5300.

Offered at Online

3 Semester Credits

**IDT6910 Instructional Design and Technology Capstone I**

The M.S. in Instructional Design and Technology capstone experience allows students to address a real-life instructional problem or challenge in a higher education or training environment using principles of adult learning and instruction. In this first capstone course, students identify a client with an instructional problem or challenge, complete an analysis of the problem, and develop a design plan for addressing the problem, incorporating technology into the solution. Students use their learning from the other core courses in the program to identify and use the appropriate analysis and design approaches for the environment within which the problem or challenge is situated. Students apply project management techniques to their work with the client.

Prerequisite(s): EDUC5145, EDUC5445, IDT5100, IDT5300, IDT6300.

Offered at Online

3 Semester Credits

**IDT6920 Instructional Design and Technology Capstone II**

The M.S. in Instructional Design and Technology capstone experience allows students to address a real-life instructional problem or challenge in a higher education or training environment using principles of adult learning and instruction. In this second capstone course, students build upon the analysis and design plan completed in the first capstone course by developing the instructional solution, implementing it with a focus group at the client site, and evaluating the results. Students prepare a final report and presentation documenting the evaluation results and recommended next steps. Students apply their learning from the other core courses in the program to develop, implement and evaluate the instructional solution. They continue to apply project management concepts to their work with the client.

Prerequisite(s): IDT6910.

Offered at Online

3 Semester Credits

**ILS2010 Modern Identities: 20th Century Literature and Beyond**

This integrative learning course explores the relationship between modern world literature and its historical, social and/or political contexts through the study of the 20th century literary works. Fiction, poetry, drama and/or the essay are used as vehicles for exploring major movements, trends and events of the 20th century. Themes of racial, ethnic and gender identity, political oppression and/or war are explored. Emphases vary.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2015 Honors Seminar: Postcolonial Literature**

Colonization of Africa and Asia and ensuing post-colonial reconstruction, two world wars, the spread and fall of communism, human rights movements and immigration profoundly changed the face of the world. This discussion-and-writing-intensive Integrative Learning Honors Seminar focuses on literary responses to and representations of select movements and events of the 20th century (emphasis varies). By reading texts through the lenses of postcolonial literary theory, history, philosophy and ethics, students examine the variety of human responses to the moral questions posed by colonialism, imperialism, and the social and political movements that arose in their wake.

Prerequisite(s): ENG0001 or placement, ENG1024, honors or SHARP status, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ILS2090 The Working Life**

This course focuses on the important and complicated role of work for individuals and societies. One of the most common everyday questions is, "What do you do for a living?" That question, when thoroughly examined, reveals a great deal about how people view themselves and each other, and how much work shapes the human experience. Through the lenses of history, sociology and literature, students examine how working lives have changed over time, the experience of the worker in various contexts and how work shapes identity.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2110 The Atomic Age**

This course provides an overview of how the emergence of nuclear science (and the catastrophic consequences of its military use on Japan to end the Second World War) marked the beginning of an Atomic Age. How is it that the world's greatest scientific thinkers could produce a technological innovation capable of destruction on a global scale? From August 1945 forward, no longer could one draw simple connections between "science" and "progress." And yet nuclear developments continued to shape every aspect of human existence: from international diplomacy and energy policy to the "nuclear family" and popular culture. Drawing on scientific discourse, world history, international relations theory, Cold War studies, policy analysis, energy and environmental studies, and gender and cultural studies, this course explores the multiple ways in which we continue to live in an Atomic Age.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Providence

3 Semester Credits

**ILS2123 City as Text**

This course focuses on the city as a "text," a living environment that reveals itself and its inhabitants through an exploration of its history, economics, politics, culture and art. The city serves as an experiential case study which affords students an opportunity to investigate, reflect, and critically analyze the city and its inhabitants (including themselves) as a living and evolving system/organism. Through a series of visits to various organizations, businesses, and institutions of art, culture, government and education, students explore the nature and meaning of community and civic and professional life. Avenues of discovery in this course include art and architecture, communication and literature, history, economics, sociology, psychology and political science.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte

3 Semester Credits

**ILS2135 Health, Healing and the Humanities**

This course acquaints students with the medical humanities. Students learn how studying the humanities contributes to an understanding of issues related to health and illness. In this course students are introduced to the study of disease, disability, healthcare and wellness through the lenses of history, religion, philosophy and the arts.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ILS2140 History of Science**

This course explores human thought about the natural world from the earliest civilizations to the present. Students investigate a central question: From where did our ideas about the scientific process arise? At the heart of this course is the idea that science and technology are not isolated from the rest of society. Rather, they are shaped by historical and societal forces even as they influence civilization. In this course, students discuss the evolution of great scientific ideas of the past and the effects of religious, political, economic and social contexts on the development of scientific principles. Through close reading, analysis, discussion and integration of primary and secondary source materials, students make connections among the disciplines of history, theology, philosophy and science.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2145 Imagining the Human Body: Technology Past, Present and Future**

This course examines the scientific, spiritual, cultural and intellectual meanings of technological innovations and interventions involving the human body. Students explore a variety of technological interventions, study their scientific roots, examine their historical development, discuss their philosophical implications and analyze how these interventions have been depicted in popular culture.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Providence

3 Semester Credits

**ILS2150 Introduction to American Studies**

This course introduces students to the major themes in American culture, both past and emerging. Students are given a sense of the tensions running through the identity and image of Americans here and around the world. As an integrative learning seminar, this course also serves as an introduction to the idea and practice of interdisciplinary scholarship. This course gives students a wide range of tools to make sense of what America is, has been and can be. Topics include traditional disciplines that help illuminate American culture. Focus is on art, music, literature, history and anthropology.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2180 Sexuality: Science/Culture/Law**

Sex. It is a seemingly simple term. Whether your birth certificate reads “F” or “M” conjures up a host of assumptions and expectations: acceptable sexual partners, appropriate physical presentation, acceptance of societal norms attached to your designation, and generally how you “fit” in society. One’s designated sex at birth was also synonymous with one’s gender. Are we beginning to understand, however, that this binary construct, and all its implications, is wrongly limited? Historically, there have been multiple revolutions in the way sex is conceptualized. In biology, evidence has mounted that biological sex and sexual orientation are not synonymous, nor is the notion of a binary gender construct. There is genetic and physiological support for the existence of multiple biological sexes, and that sexual orientation is hardwired rather than a choice or preference. Literature and popular culture have moved from portraying members of the LGBTQI community as a joke to treating it as a serious topic of personal liberation. The law has moved from criminalizing homosexual acts to granting same-sex marriage licenses to extending Civil Rights protection to the transgender community under Title VII. This course explores the links, or lack thereof, between these different developments. Is law more open to sexual variety because of the findings of brain science? Is popular culture more inclusive because of the increased economic clout of the LGBTQIA community? Or did these things occur independently? How do we relate these developments to the post-structural analysis of sexuality, gender and identity?.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2205 All Creatures Great and Small: Animals and Society**

Our relationship with animals is complex: We cry when animals die in movies but eat them for dinner; we treat our pets as family members while at the same time place bets on them at the racetrack. This course is designed to allow students to explore our complex relationship with animals in human society by examining the varied meanings assigned to them: food, emotional support, pets, research subjects, symbols and entertainment. Students engage in discipline-specific research related to animals in society, while also expanding their overall interdisciplinary knowledge.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Online, Providence

3 Semester Credits

**ILS2213 The Earth in Peril: A Literary and Scientific Analysis**

This course examines environmental issues created by unrealistic views about the earth’s capabilities. Relationships among people, environments and natural resources are analyzed through literature and scientific writings. Students examine why and how world views affect the natural world’s destruction and preservation.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2215 Honors Seminar: Literary Environmentalism**

This course examines environmental issues created by conflicting views about the earth’s capabilities. Relationships among people, environments and natural resources are analyzed through literature and scientific writings. Students examine why and how world views affect the natural world’s destruction and discuss possible theories of preservation. Students contribute to inquiry surrounding the issue of sustainability through research and analysis.

Prerequisite(s): ENG0001 or placement, ENG1024, honors or SHARP status, sophomore status.

Offered at Providence

3 Semester Credits

**ILS2240 Knowledge and Evidence**

Knowledge and Evidence provides students with a holistic understanding of the concept of "truth," along with an effectively developed skillset for thinking critically, and acting creatively, with respect to this concept. The course achieves this by illustrating the intimate connection between data and truth, showing the ways in which one can lead to the other, and also pointing out the fallacies and pitfalls that often obstruct the connection. In part, the course is an introduction to the field of epistemology, addressing the question "How do we know what we know?" The course provides a historical overview of many critical epistemological questions, with examples drawn from the writings of thinkers from classical Greece up through the modern era. It also draws critical connections between these epistemological theories and the scientific method and explains what is necessary for proper experimental design. These concepts are illustrated most vividly through the study of a variety of famous experiments. Experiments are chosen from the fields of psychology, physics, chemistry, sociology, computer science and philosophy. Students are taught to identify the dominant theories of truth in their chosen professions and to think critically about the dominant paradigms they encounter.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte  
3 Semester Credits

**ILS2280 Science and Civilization**

This course explores the social, political and historic contexts and implications of several scientific and technological developments through a variety of genres, including textbooks, newspapers and magazine articles, film, music, art, literature and the internet. The goal of this course is to raise student awareness of the global impacts, positive and negative, associated with specific scientific and technological developments, with emphasis on discerning the interconnectedness of those impacts. Through inquiry, research and debate, students develop a better understanding of the unique historical, social, political and cultural contexts in which these scientific and technological developments evolved and the influence these contexts had upon the form of these developments. In addition, students gain a deeper appreciation of the implications of these developments on the present and future.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence  
3 Semester Credits

**ILS2305 Honors Seminar: Behavioral Economics**

Behavioral Economics is a field of research in the social sciences that brings together the disciplines of economics and psychology. This Honors-level integrated learning seminar utilizes this approach to better understand human behavior. By drawing on both disciplines, students better understand why people frequently make irrational economic decisions and how certain choice contexts can lead to predictably irrational behavior. Students analyze through systematic investigation and experimentation a variety of biases and shortcomings people regularly display in making rational economic choices.

Prerequisite(s): ECON1001 or ECON1002, ENG0001 or placement, ENG1024, honors or SHARP status, sophomore status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**ILS2320 Economics of Law and Order**

This course examines legal institutions through the lens of economics. Emphasis is placed on how changing laws influence outcomes at a societal level. In each lesson, students will focus on the relevant economic background and institutional structure and then deduce how this in turn informed choices made by participants in the economy. The economic order that is generated by the interaction of countless individuals and firms is mediated through the legal system. If one wishes to understand this extended order, one must understand the legal institutions in which it operates.

Prerequisite(s): ECON1001 or ECON1002, ENG0001 or placement, ENG1020 or ENG1024, LAW2001, sophomore status.

Offered at Charlotte  
3 Semester Credits

**ILS2325 Economics of Sin**

This course integrates economic, sociological and psychological principles to examine price gouging, cheating, illegal drugs, sex and gambling. Emphasis is on examining these "sinful" behaviors in the context of moral development and theories of motivation. Students also examine how government seeks to change and penalize such behavior and the consequences of these interventions.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**ILS2330 The Good Life**

This course challenges students to create personal and professional lives of meaning and purpose. The course explores the underlying values and structure of a life well-led, and proactive dispositions and strategies to create such a life. Emphasis is placed on social science and humanity's ways of thinking, specifically aspects of agency, the human condition and literary criticism. The course examines how the American Dream influences perceptions of success, particularly the ethos of prosperity and social mobility. Students read excerpts from fiction and biography that examine convention, invention and achievement. This course concludes with an exploration of change and chance, and strategies for leading a good life.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online  
3 Semester Credits

**ILS2370 Obesity**

This course considers the now global problem of obesity from biological, psychological and sociological perspectives. Since the 1970s there has been a rapid increase in the incidence of overweight and obese individuals in the United States with 65 percent of adults now overweight. Childhood obesity rates have tripled in the last 20 years, producing the first generation of Americans who are predicted to have a shorter life span than their parents. The obesity epidemic is widely acknowledged in the United States, but in the past two decades, this problem has also spread to developing countries as they accelerate their nutrition transition to more mass-produced and processed foods. The roles of government and business are explored, in influencing access to foods and in defining obesity vs. health. The study of this now global problem is relevant from a personal health perspective as well as a political and economic perspective. Individuals empowered with knowledge can modify their own food environments and that of their children. A well-educated populace may wish to support initiatives to make progress on this societal problem to avoid economic losses in productivity and healthcare costs that will compromise America's competitiveness.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Online, Providence  
3 Semester Credits

**ILS2385 Visual Literacy and the Sociology of Perception**

This course studies human perception of the social world from both a communications and sociological perspective. Elements of picture-based media as a means of molding cultural perceptions, social biases and personal views of reality are studied. Through a series of exercises, students critically examine images in art, still photographs, television, advertising, film and documentaries to determine their sociological messages. Using the language of visual literacy and an understanding of perception, students test assumptions about their world.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**ILS2390 The XX Factor**

The XX Factor takes an integrative learning approach to gender role development that foregrounds psychology and literature. This approach provides multiple lenses through which to examine current and historical concepts of women's psychological and social development. It prioritizes close textual analysis of gender identity and sexuality as figured in literature across a broad spectrum. The course considers both conformity and resistance to societal biases, stereotyping, and the imposition of gender and sexual norms. In doing so, it promotes critical thinking about the diverse possibilities for women's identities.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2435 Leonardo da Vinci: Culture, Art and Math**

This course covers a portion of the movement in Europe known as the Renaissance. It explores the works of one particular man, Leonardo da Vinci, and how his insatiable hunger for understanding impacted the culture of Florence and Milan, Italy. The course begins by examining da Vinci himself and his place in society, then moves on to examine some of his works of art and writings on architectural design and war machines culturally, historically and mathematically.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS2440 Logic, Reasoning and Nonsense: How to Tell the Difference**

This course introduces students to logic, a discipline that straddles public policy, philosophy, law and mathematics. Students are empowered to use logic in their personal and professional lives to make informed decisions, identify invalid arguments and debate current topics. Topics include formal structures of thought as they can be readily applied to the organization of thought in written and spoken language. Students identify the logical errors or fallacies that are most frequently made in written and oral discourse.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Providence

3 Semester Credits

**ILS2450 The Mathematics of Art**

This course examines the use and appearance of mathematical principles and structures in art, architecture, sculpture and music throughout the history of the Western world. Topics include the Golden Ratio, the Fibonacci Sequence, linear perspective, two- and three-dimensional geometry, and the arithmetic behind music and music composition.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS2460 Science of Superheroes**

This course is designed to give students a unique look at applications of scientific topics as they appear in the worlds of popular culture superheroes. The goal of the course is to promote scientific literacy and research by using popular culture as a scaffold for scientific topics. Students have the opportunity to both question and test the realism of scientific properties that exist in these popular culture worlds. These properties come from the integrated areas of physics and psychology.

Prerequisite(s): ENG0001 or placement, ENG1020 or ENG1024, MATH1002 (or higher), sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4020 Keywords in Social Media**

This course asks students to identify and analyze the roots of several keywords from historical, sociological and technological perspectives; demonstrate knowledge of how to do things with keywords (i.e., how sharing information can lead to apprehending a criminal); and evaluate the relevance of keywords to life in a democratic society. Abstract theories are applied to concrete case studies of social networks.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Providence

3 Semester Credits

**ILS4070 Nostalgia, Memory and Hybrid Identity**

This course examines diasporic literature in the context of cultural theory, history, psychology, philosophy and popular culture (such as music, film and art) to better understand the associated cultural negotiations. Students explore the way diasporic literature of the last century has significantly transformed the literary, theoretical and cultural landscape of the U.S. and raised a range of complex issues relating to identity, language, border crossings (geographical, linguistic and gender, etc.) hybridity, and acculturation and resistance. Readings range across such genres as memoir, fiction, essay, drama and poetry to consider how issues of identity and tradition are represented and contested by immigrant writers in the context of displacement and diaspora.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4110 Capital Punishment in America**

From the colonization of America to the present, over 18,000 individuals have been executed under lawful and/or territorial authority. This course examines the historical, social, ethical, judicial, legislative and political events that have led to the present patchwork approach to executions in the United States. With an eye toward evaluating the continued efficacy of capital punishment in a 21st-century criminal justice system, attention is given to the rationale and justification for executions from legal, social, political and economic points of view.

Prerequisite(s): ENG1021 or ENG1027, LAW2001 or LAW2005 or LAW3015 or LAW3025, any ILS 2000-level course, senior status.

Offered at Online, Providence

3 Semester Credits

**ILS4115 Contemporary Approaches to Classical and World Mythology**

This course introduces students to classical and world mythology in order to understand the eternal, timeless nature of universal archetypes and themes while also exploring how they acquire new, contemporary meanings. Students learn to interpret myth using elements of literature as well as through the theories of myth interpretation. From Homer to Harry Potter, emphasis is placed upon analysis of primary readings as well as their interpretations within the context of a variety of disciplines. Class discussions and student writing encourage critical thinking, synthesis and application of the terminology of the study of mythology.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4120 Disease and Culture**

This course addresses the question of what constitutes a disease from the perspectives of science and the humanities. Topics include the origins of disease and the effect that disease has had on political events, art and culture, warfare, and the economy of societies both historically and in today's world, and how societies throughout time have attempted, either successfully or unsuccessfully, to address the problem of disease. Students explore the cultural interpretations given to various diseases. Through the examination and analysis of various medical case studies, historical readings and literary pieces, students learn to think critically about how disease has helped to shape the world that we live in and what disease means to them.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4125 Honors Seminar: Shakespeare: Studies in the Politics of Performance**

This course explores the direct and indirect ways that performances of Shakespeare's plays engage political debates, challenge social norms, provide historical insights, and encourage audiences to participate in the often subversive experience of playing. The idea that "all the world's a stage" was radical in Shakespeare's day, and continues to be so in ours. Students examine productions of the plays within historical contexts, considering both what they might have signified for their original audiences and how they still speak to us today. Employing a variety of disciplinary perspectives, including theatre arts, students analyze a wide range of productions and their influence on and beyond the stage. The course culminates with students groups proposing politically and culturally engaged stagings of a number of scenes from Shakespeare's plays, accompanied by contextualization and explanation of the production/performance choices.

Prerequisite(s): ENG1027, any ILS 2000-level course, honors or SHARP status, senior status.

Offered at Providence

3 Semester Credits

**ILS4130 History of Digital Art**

This course surveys the emerging world of digitally originated and exhibited artwork. A wide range of digital art formats are examined, including (but not limited to) 2-D, 3-D, motion, interactive, immersive, sensor-based, internet-based and "gamification." Key art historical influences in the technology of art creation from the Renaissance to the 21st century are explored. Major art periods such as Fluxus, Conceptual, Dada and Post-Modernism are reviewed as they relate to the development and growth of the late 20th-century digital art movement. Students investigate the history and growth of international public art paradigms and practices and their connections to digital art through civic, public and private institutions. Students also examine the relationship between digital art and the industry of creative design and media. Through active visual research of curated digital art pieces students discover a wide array of critically noted digital artists and their work. Finally, students consider the new aesthetics of digital art, comparing and contrasting them to more conventional art formats and exhibition models.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Online, Providence

3 Semester Credits

**ILS4133 How to Change the World**

This course explores social entrepreneurs as a force of transformative change. What are the motivations and methods of those who seek to solve social problems on a large scale? What needs changing in the world and what do art and literature have to say about being an agent of change? How might your ambition, abilities and persistence make others believe in the possibility of achieving very difficult tasks? How might you distort reality for good? The course gives students a broad avenue to align what they care about, what they are good at, and what they enjoy with how they might have real impact in the world.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte

3 Semester Credits

**ILS4140 The Legal Imagination**

This course introduces students to the textual nature of the law. Through intensive study of literary, persuasive and legal texts, students explore the commonalities between what we call "literature" and what we call "law." Students begin to see the "constitutive rhetoric" of those texts through which an author creates a social and political community with words.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, one LAW-designated course, (one LIT-designated course or MCOM2030 or ILS2010 or ILS2015 or ILS2090 or ILS2150 or ILS2180), senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4170 Passion, Power and Principle: Lessons at Play in Shakespeare**

This course employs the still-relevant insights of the Shakespearean canon as a means of understanding and resolving contemporary ethical dilemmas, social tensions and the conflicting demands of citizenship in today's world. Focus is on the resolution of moral dilemmas involving divisions of power, the use of authority, familial obligations and conflicting loyalties. This course takes an integrative learning approach that draws on literature, philosophy (ethics) and history to promote analysis and meaningful comparisons between the problems confronted in the world of Shakespeare's plays (and the society they reflect) and those faced by us today.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4176 Sports in Film and Literature**

This interdisciplinary course focuses on the significant inspiration of athletic endeavors upon the literary and cinematic imagination. Writers of fiction and nonfiction, prose writers and poets have discovered in the athletic experience a useful metaphor to express the purpose and meaning of life. Modern film explores both the realism and romanticism of sports in popular culture. This course is designed to acquaint the student with the essence of games as myth and metaphor and develop an appreciation of the historical context in which the stories are constructed and heard. The interdisciplinary considerations of history and culture allow for a richer understanding and appreciation of sports and sports literature.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4180 Things That Go Bump In the Night: An Interdisciplinary Approach to the Supernatural**

This course explores the deeper meanings of supernatural creatures in works of film and literature from the perspectives of history, science, philosophy, literature and film. The course addresses the question of why certain supernatural creatures (e.g., vampires, zombies, werewolves, ghosts, the demonically possessed, Frankenstein's monster and extraterrestrial creatures) have featured so prominently in human thought, human fears and works of literature and film from antiquity to the present day. In doing so, the course addresses the historical context in which such beliefs have arisen and how they have changed. Students are encouraged to apply interpretive skills to an analysis of supernatural creatures with which they are familiar and to draw connections between the monsters of the 21st century and societal changes and hidden conflicts in the contemporary world.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ILS4190 The Problem With Evil**

This course takes an interdisciplinary approach to the examination of evil as a concept that has fascinated and horrified humans throughout history. Through religions, social norms, philosophies and literatures, people have attempted to define evil in order to explain, and make meaningful, aspects of life that seem otherwise incomprehensible or unbearably senseless. The course explores the construction and uses of evil as a defining term, and its impact on nations, communities and individuals. Students read a wide range of texts across broad historical and cultural spectrums, looking for the answers to this question that continues to perplex and captivate us.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS4210 Colors**

This course explores the role and importance of colors in the natural world, astronomy, geology, human society, culture, psychology, art and many other disciplines. Topics include the physics of color and its perception by animals and the color of the ocean, rocks, minerals, stars and galaxies. In addition, the various uses of color by plants is examined, including the utilization of colored pigments by plants for light absorption in photosynthesis. The various ways that animals use color are also explored, including how colors are used by both predators and prey and how they are used to attract mates. Additional topics include the affect of colors on humans, including mood, language, musical expression, and as a symbol of national or group identity in politics and religion. Colors have a profound influence in artistic expression and in the food and fashion industries. The importance of colors in all of these different disciplines are examined. With the knowledge and skills learned in this course, students are able to explore the use and application of colors in their own chosen field of interest.

Prerequisite(s): ENG1021 or ENG1027, any BIO, CHM, PHY or SCI-designated course, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

### **ILS4270 Narragansett Bay**

This course 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.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Providence

3 Semester Credits

### **ILS4290 Science or Pseudoscience?**

Pseudoscience is any area of beliefs that sells itself as scientific but upon investigation is found to have little or no scientific evidence. Examples include areas such as alternative medicine, astrology and "creation science." This course looks at the basis for how science works and how we distinguish between real science and pseudoscience. This course focuses on the scientific method and how it is used to test claims in any area, but exploration of psychological issues for why people believe strongly in things that are not supported by facts is also examined. Exploration of the difference between science and pseudoscience is done using some of the areas discussed above as well as topics such as organic and GMO foods, climate change and others. The application of the scientific method provides the basis to the evaluation of these fields. Finally, the history of pseudoscience is briefly explored as well as the role that the internet and social media plays in the propagation of pseudoscience.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, senior status.

Offered at Providence

3 Semester Credits

### **ILS4302 Abuse of Power: Corruption in Contemporary Society**

This course examines how (in the hands of certain individuals and groups and under "favorable" social, political, historical and economic conditions) the abuse of power and corruption impacts lives in all social strata. Students analyze this question and propose research-based recommendations for transforming dysfunctional systems into sustainable and productive models.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ILS4320 (De)Constructing Race and Color**

This course addresses the racialization processes involved in the social construction of the color of race — White, Yellow, Brown, Red and Black — through interdisciplinary studies including the arts, humanities, social sciences, biology, law and education. The course identifies the key parameters of the racialization process (historical subjugation through involuntary immigration and migration, voluntary immigration, prejudice, stereotypes, scientific racism, cultural racism, and systemic) of institutional racism and how various groups in the United States were raced into a color. Students are tasked with thinking about why race matters within educational, economic, political and social institutions. The course involves intentional discourse on the complexity of the color of race through scientific interrogation, analysis and interpretation of the course materials to understand the social construction of the color of race and how race can be deconstructed in the 21st century.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

### **ILS4330 Economic Explorations in American History**

This course seeks to explain American history through the lens of economics. Emphasis is placed on how changing economic modes of production influenced outcomes at the societal level. In each episode, students focus on the relevant economic background and institutional structure and then deduce how this in turn informed historical change in activities ranging from agriculture, household production, industrialization, social movements, political response and the new information economy.

Prerequisite(s): ECON1001 or ECON1002, ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte

3 Semester Credits

### **ILS4340 Global Food Security and Leading Change Locally**

This interdisciplinary course critically assesses the global challenges of food security through classwork and work experience with a local community organization of the student's choosing. Food is explored from a cultural, nutritional, ecological and ethical context while analyzing issues of food production, causes of insufficient supply, nutritional and health implications, and effects on quality of life. Evaluation of political, environmental, technological and economic factors that contribute to the perpetual issue of food insecurity and the social consequences also occurs. The critical issue of the course examines whether access to food is a basic human right and whose responsibility it is to provide societal members with access to nourishment necessary for productivity. These global food security issues are explored by the student theoretically, via traditional classroom meetings, and experientially while working 21 hours with members of a local community organization. During on-site work, students utilize their leadership skills to address a food security issue, designing and completing a substantial agency-based project that serves as a tangible contribution to the overall organization and its ability to support local community members.

Prerequisite(s): ENG1021 or ENG1027, any ILS2000-level course, senior status.

Offered at Charlotte, Providence

3 Semester Credits

### **ILS4430 Explorations in Symmetry**

The course introduces the student to the basic concept of symmetry and its important role as a unifying agent in the understanding of mathematics, nature, art, architecture and music. Topics covered include an introduction to group theory, the mathematical language of symmetry, transformations, general symmetry principles and applications.

Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, MATH1040 or MATH2001 or MATH2010 or MATH2020, senior status.

Offered at Charlotte, Providence

3 Semester Credits

**ILS4490 Statistics of Popular Culture**

This course is designed to give students a unique look at statistics topics applied outside the classroom, specifically in the world of popular culture. Examples of popular culture include but are not limited to movies, television, books, music, sports and video games. These topics are analyzed through a unique guise of combining statistics with sociology. Students should be able to practice what they have learned in basic statistics course(s) to further prepare them to use research design outside of academics.  
Prerequisite(s): ENG1021 or ENG1027, any ILS 2000-level course, MATH2001 or MATH2010, senior status.  
Offered at Charlotte, Providence  
3 Semester Credits

**INTL4799 International Internship**

This course is a variable-credit placeholder used to maintain student status while participating in an internship outside of the U.S. as part of an approved JWU exchange or affiliate partner program. Students may complete the internship while participating in the study abroad program or as an extension after completing the coursework.  
Offered at Charlotte, Online, Providence  
3-12 Semester Credits

**ISA5005 Network Fundamentals**

This course is a foundational graduate-level course in computer networks. The course offers a comprehensive review of the application, transport, network and link layers of the OSI protocol stack. Advanced topics, including network management, traffic engineering and router configuration, are also addressed. Network protocols are studied in detail with an emphasis on learning to read RFCs within the context of the structure, FSM, configuration protocol learning paradigm.  
Offered at Online, Providence  
3 Semester Credits

**ISA5020 Foundations of Information Security Management**

This course provides a conceptual overview of information security management and information assurance (IA). Topics covered at an introductory level include information security and information assurance principles, information technology security issues, and security technologies and processes. Governance issues include policy, law, ethics and standards, as well as organizational models and communications. Risk management issues include risk assessment, threats, vulnerabilities and security life-cycle management.  
Offered at Online, Providence  
3 Semester Credits

**ISA5030 Legal and Ethical Principles in IT**

This course provides an in-depth working knowledge of the ethics and laws pertaining to information systems security. Topics include the ethics of privacy, confidentiality, authenticity, medical information, copyright, intellectual freedom, censorship, social networking and cyber-bullying. Issues related to the creation, implementation, enforcement and assessment of institutional codes of ethics are discussed.  
Offered at Providence  
3 Semester Credits

**ISA5040 Network Security and Cryptography**

This course details the issues faced by security managers in addressing network security threats, technical discourse regarding known threats, potential countermeasures to these threats, and the need for the aggressive application of cryptographic methods to guarantee the security of information. Students are immersed in the details of cryptography and explore both symmetrical and asymmetrical methods. Students delve into both the technological and mathematical elements of cryptography.  
Prerequisite(s): ISA5005 or Department Chair Approval.  
Offered at Providence  
3 Semester Credits

**ISA5050 Digital/Computer Forensics and Investigation**

This course studies cyber-attack prevention, planning, detection, response and investigation. Course goals include counteracting cybercrimes, and identifying and making the responsible persons/groups accountable. Topics covered in this course include fundamentals of digital forensics, forensic duplication and analysis, network surveillance, intrusion detection and response, incident response, anti-forensics techniques, anonymity and pseudonymity, cyber law, computer security policies and guidelines, court report writing and presentation, and case studies.  
Prerequisite(s): ISA5040.  
Offered at Providence  
3 Semester Credits

**ISA5085 Principles of Programming**

This course teaches students without a background in computer science or software engineering the concepts necessary to complete the graduate program in Information Security/Assurance. This course is designed to deliver an understanding of core algorithmic concepts (e.g., control structures, assignment, decision structures, mathematical/Boolean operations, etc.), an introduction to structured and object-oriented computer programming languages, compilers, interpreters and virtual machine environments. Students design algorithms to solve problems and learn how to translate these algorithms into working computer programs using appropriate languages and runtime environments.  
Offered at Providence  
3 Semester Credits

**ISA6010 Software Security Testing**

This course teaches the fundamentals of software testing from the viewpoint of security. An in-depth discussion on various security testing methods and tools vulnerabilities is provided with demos of concepts during the class. Students learn how to perform penetration testing in a practical way using well-established tools such as Kali Linux. This course covers different types of systems including Web-based systems and some internals of OS kernel software testing and exploitation. Students also learn software design patterns to built-in security during the architectural phase of the life-cycle.  
Prerequisite(s): ISA5085, completion of 15 credits from core courses.  
Offered at Providence  
3 Semester Credits

**ISA6020 Securing Virtualized and Cloud Infrastructures**

This course is designed to give students a solid technical understanding of virtualization, cloud computing, storage networks and the vulnerabilities known to exist in these environments. Students gain an understanding of the planning of these environments, the countermeasures to threats that exist and the management of information in the cloud. Topics include the interconnection of the virtualized environment with the underlying network transport and network storage technology.  
Prerequisite(s): ISA5040.  
Offered at Providence  
3 Semester Credits

**ISA6030 Hacking Countermeasures and Techniques**

This course focuses on the study of well-known hacker tactics, attack typing and categorization, profiles of hacker strategies, and a detailed review of countermeasures. Students examine both active and passive attacks, vulnerabilities of operating systems and the software vulnerabilities of popular systems with an eye toward effectively thwarting hacker threats.  
Prerequisite(s): ISA5085, completion of 15 credits from core courses, Corequisite: ISA6040.  
Offered at Providence  
3 Semester Credits

**ISA6040 Advanced Network Intrusion Detection and Analysis**

This course covers principles and techniques of intrusion detection such as network traffic analysis, packet analysis, application protocol layer for common protocols, and log analysis. The use of intrusion detection tools and services is evaluated, as intrusion detection systems are now integral parts of the technology management fabric with the capability to stop threats in progress and capture/quarantine evidence.  
Prerequisite(s): ISA5085, completion of 15 credits from core courses, Corequisite: ISA6030.  
Offered at Providence  
3 Semester Credits

### **ISA6050 Business Continuity Planning**

This course focuses on the need for and ability to conduct business continuity planning. Emphasis is on planning for the inevitable system failure, network fault or security breach in the current technological environment, given industry's heavy reliance on technology.

Prerequisite(s): ISA5020, completion of foundation courses.

Offered at Online, Providence

3 Semester Credits

### **ISA6060 Risk Management and Incident Response**

This course is directed toward students interested in understanding how large-scale complex risk can be quantified, managed and architected. Students learn to identify the business and technical issues, regulatory requirements and techniques to measure and report risk across a major organization. Students explore techniques used to mitigate, minimize and transfer risk. This course also provides a foundation in disaster recovery principles, addressing concepts such as incident disaster recovery planning, developing policies and procedures, roles and relationships of various members of an organization, "swim lane" diagramming, implementation of the plan, testing and rehearsal of the plan, planning disaster recovery resources, and linking risk management incident response to large-scale disaster recovery implementations planning; developing policies and procedures; roles and relationships of various members of an organization; "swim lane" diagramming, implementation of the plan; testing and rehearsal of the plan; planning disaster recovery resources, linking risk management incident response to large scale disaster recovery implementations.

Prerequisite(s): ISA5020, completion of foundation courses.

Offered at Online, Providence

3 Semester Credits

### **ISA6070 Cyber Science and IT Business Operations**

This course focuses on IT auditing processes, cyber threats and their effect on common infrastructures, the properties and applications of specific loss count and loss severity distributions, actuarial modeling, and forensic accounting techniques. Topics include the planning of security provisions, countermeasures and deployment, as well as understanding the impact of attacks (evidence gathering and investigation), which depend on a combination of technology and business acumen. Certain estimation methods like percentile matching, maximum likelihood estimation, Bayesian estimation and credibility theory are also introduced.

Prerequisite(s): ISA5020, completion of foundation courses.

Offered at Online, Providence

3 Semester Credits

### **ISA6090 Information Security & Assurance Capstone Research Project**

This capstone course integrates previous coursework and practical experience with a focus on authentic demonstration of competencies outlined by the program. Students synthesize prior learning to design or develop a capstone as a culmination of their studies. The course is structured to support student success in fulfilling program requirements and developing a well-thought-out, comprehensive capstone project. Problem domains may be suggested by external sponsors, the instructor or student teams. The project itself can be research-oriented, have a design focus, center on evaluation and testing, or be tailored to an individual or team's interests. It should, however, touch on either the technical or business elements of information security, or a combination of both. Student teams or individuals are expected to document their projects in a weekly, online process journal. Key deliverables for the course, regardless of the project definition, include planning documents, execution plan, final project deliverable and presentation. Problem domains may be suggested by external sponsors, the instructor, or student teams. The project itself can be research-oriented, have a design focus, center on evaluation and testing, or be tailored to an individual or team's interests. It should, however, touch on either the technical elements, the business elements, or the combine technical & business elements of information security. This delivery model requires good communication about the process, as well as, the results of a project, since that is the main focus of the learning in the capstone experience. As such, student teams or individuals are expected to document their projects in a weekly, online process journal. Key deliverables for the course, regardless of the project definition, include planning documents, execution plan, final project deliverable and presentation.

Prerequisite(s): Completion of 9 credits from selected Technical or Business focus area and all core courses.

Offered at Providence

3 Semester Credits

### **ITEC2081 Network Protocols I**

This course develops students' knowledge of computer networks, network appliances and network protocols. They are introduced to methods of developing protocols, including interpretation of standards, finite state machines and state-full transition. Students gain a conceptual framework useful in the adaptation of network protocols to network appliances and internetworking design. Through the use of network protocol analyzers students conduct in-depth examinations of the 802.3, ARP, IP (versions 4 and 6), ICMP and RIP protocols. Comparison of protocols is made by type. Students develop a basic understanding of the software paradigms used to construct protocols. In homework and lab assignments, students develop skill competencies needed to troubleshoot protocol issues. Students connect, configure and program a range of network devices; work with network protocol analyzers; examine the software internals of protocol implementations; and map the path of a data packet on a network.

Prerequisite(s): CSIS1101 or CSIS1020 or ENGN2009.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **ITEC2082 Network Protocols II**

This course expands on the core network engineering and protocol concepts developed in Network Protocols I through an in-depth examination of the Internet Protocol (IP), RIP II and OSPF, ICMP, and VOIP. Students examine the details of software implementation of these protocols. Students understand the interplay of these protocols and the associated end node, enterprise, autonomous region and internet backbone structures in support of efficient and effective movement of information across the internet. Students use network design simulation software to explore the complex interactions of these protocols with each other and with the architectures they support.

Prerequisite(s): ITEC2081, MATH2001 (or concurrent).

Offered at Charlotte, Providence

3 Semester Credits

### **ITEC2085 Distributed Systems with TCP/IP**

In this course, students learn how client/server systems evolved and how those systems continue to adapt to business needs. Students develop an understanding of distributed programming techniques and of how distributed applications (databases, transactions, processors, ERP systems, etc.) work within networks. The course also covers the three main types of systems (Two Tier, Three Tier and N Tier) and how they relate to one another. In homework and lab assignments, students develop skill competencies needed to solve day-to-day business problems in maintaining and customizing databases and other applications. Students configure and implement their own client/server network, which gives them an opportunity to develop a professionally focused understanding of how such a network is designed and built. This course focuses on the upper layers of the OSI model (especially the application layer).

Prerequisite(s): ITEC2081, MATH2001.

Offered at Providence

3 Semester Credits

### **ITEC3010 Server Configuration and Implementation**

This course allows students to apply skills learned in the network degree program and other information-technology-related courses to the construction and commission of a server on a network. Students are responsible for configuring a server to deliver applications and files necessary to support many types of user-bases.

Prerequisite(s): CSIS1020 or CSIS1101, CSIS2045, ITEC1020 or ITEC2081.

Offered at Providence

3 Semester Credits



**ITEC3031 Router Internals and Integration**

This advanced networking course gives students an in-depth view of router internals, protocol design and operation, as well as network modeling and design. Students learn about the intricacies of network design, choosing the right technological tool, network modeling and simulation, and network testing and benchmarking. Students examine the requisite hardware and software constructs necessary for successful router development and use. Students also examine advanced topics such as convergence, first mile/last mile, QOS and switching and routing fabrics. Students examine the behavioral complexities that emerge as a result of distributed autonomous routing and switching cohorts. Students receive professionally focused experience in lab exercises by designing their own networks and dissecting a router (hardware and software).

Prerequisite(s): CSIS1050 or CSIS1112, ITEC2082.

Offered at Providence

3 Semester Credits

**ITEC3040 Systems Analysis**

This course presents a systematic approach to the development of business systems. By following this approach, students learn to design business systems that efficiently meet the goals and objectives of management. A major element of this course is a team project, where students utilize the systems approach in analyzing and designing a business system. This class is required for majors in this program and highly recommended for non-computer majors.

Prerequisite(s): CSIS1112 or FIT1040.

Offered at Providence

3 Semester Credits

**ITEC3050 Information Security with Cryptography**

Encrypting information is one of the most effective ways to control information, verify authenticity of information and maintain confidentiality, integrity and non-repudiation. This course presents all aspects of computer and information security including symmetrical and asymmetrical data encryption, zero-knowledge based proofs, public key infrastructure systems, digital signatures, crypto currencies and security procedures using encryption. This course makes students aware of the various threats to computers and data and identifies methods and techniques for providing counter-measures to those threats.

Offered at Charlotte, Online, Providence

3 Semester Credits

**ITEC3070 Systems Modeling and Simulation**

This course addresses the process of modeling systems, including business systems, network systems, dynamic vehicle systems and client-server systems, to name a few. The modeling process is the prerequisite for the simulation and subsequent analysis, design and assessment of a system with respect to specific performance criteria. The roles of modeling in simulation are presented within the context of the systems engineering process. Modeling encompasses everything from functional through mathematical modeling; simulation includes the development and use of software for systems analysis and design. Team projects from students' areas of interest are an integral part of the course.

Prerequisite(s): MATH2001.

Offered at Online, Providence

3 Semester Credits

**ITEC3075 Network Security**

This course provides the students with a comprehensive introduction to the field of network security. Critical network security aspects are identified and examined from the standpoint of both the user and the attacker. Network vulnerabilities are examined, and mitigating approaches are identified and evaluated. Concepts and procedures for network risk analysis are introduced. Network architectures and protocols and their impact on security are examined. TCP/IP security is examined in conjunction with the IPSec and IKE protocols. Integration of network and computer security is introduced. The course also discusses the building of trust networks, key management systems, and physical network security. The course emphasizes the implementation of intrusion detection and prevention methods.

Prerequisite(s): ITEC2081, ITEC3050.

Offered at Charlotte, Providence

3 Semester Credits

**ITEC3083 Wireless Networking**

This course covers the design and implementation of wireless networks and mobile systems. Students are acquainted with best industry practices and standards. Topics include practical wireless communication systems, cellular and wireless mesh networks, antenna theory, signal transmission basics, wireless network security, and management. This course also discusses recent advances in wireless such as network coding, interference alignment and cancellation, and emerging security and management techniques.

Prerequisite(s): ITEC2082 or ITEC2085, MATH2020.

Offered at Charlotte, Providence

3 Semester Credits

**ITEC6514 Decision Support Systems**

This course focuses on design, development and implementation of effective systems for meeting information needs of management decision-makers. The course explains both model-based and data-based decision support systems and their use by business managers. Decision Support Systems (DSS) are addressed at three levels: general theory, implications for DSS design, and code/rule-based development. Data mining, developing business intelligence with analytics and modeling are reviewed. Data warehousing and DSS across cultures associated with transnational systems are also addressed.

Offered at Providence

3 Semester Credits

**ITEC6524 Enterprise Data Management**

This course focuses on the problems and issues surrounding distributed data management integration and the concepts of grid computing. Also examined are management and administration of very large and /or distributed database architectures within national or international companies or organizations. Topics also include the fundamentals of business functions as they relate to enterprise data management.

Offered at Providence

3 Semester Credits

**ITEC6534 Strategic Management of Information Technology**

This course examines four dimensions of strategic IT management: IT environment scanning, IT planning and control, IT acquisition and implementation, and strategic use of IT (use of IT to increase your firm's profitability). Special attention is given to the IT/IS alignment within the organization. Professional abilities and attributes of successful IT managers (knowledge, systems, strategies and technology) are also emphasized.

Offered at Providence

3 Semester Credits

**ITEC6544 Current Trends and Issues in Information Technology**

This course provides current theory, trends, and issues in the field of information technology. Global topics of infrastructure, hardware, software, security, quality control are examined. Social and cultural impacts of technology, virtual digital communication, data mining and government regulations are also considered. E-business, planning, budgeting and electronic commerce within the context of information management are also assessed. Students develop an area of interest and formulate a research proposal for further study in IT management.

Offered at Providence

3 Semester Credits

**LANG1100 Special Topics: Languages**

This course offers students the opportunity to study Spanish, French or German in levels one, two or three. These courses introduce students to varying levels of language study and are designed to further develop conversational ability by expanding both the vocabulary and exposure to various cultures.

Offered at Providence

3 Semester Credits

**LAW2001 The Legal Environment of Business I**

This course provides an overview of the legal, regulatory and ethical environment in which business decisions must be made. Students are exposed to a variety of legal topics; basic concepts, such as court procedures, contracts and torts, are followed by a selection of more advanced related fields which may include sales, intellectual property, real property law, constitutional law and alternative dispute resolution. Attention is paid to both the letter of the law and its practical effect on business decision-making. This course relies on, and develops, the student's ability to read and reason critically.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LAW2005 Hospitality Law**

This course provides an overview of the legal and regulatory environment in which business decisions must be made within the hospitality industry. The course exposes the student to a variety of basic legal topics such as contracts and torts which are followed by a selection of more advanced related concepts which may include service of food and alcohol, innkeeper-guest relations, liability for the personal property of others and employment relationships. Attention is paid to both the letter of the law and its practical effect on business decision-making. This course relies on, and develops, the student's ability to read and reason critically.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LAW3002 The Legal Environment of Business II**

This course is a continuation of LAW2001, The Legal Environment of Business I. Students are exposed to the laws governing the internal organization and relationships within a business, the laws governing relationships between a business entity and its clientele, and the laws governing relationships between a business and its employees. Attention is paid to both the letter of the law and its practical effect on business decision-making and managerial policy. This course relies on, and develops, the student's ability to read and reason critically.

Prerequisite(s): LAW2001 or LAW2005, sophomore status.

Offered at Online, Providence

3 Semester Credits

**LAW3010 Business Law for Accountants**

This course provides the Accounting major with an understanding of the legal framework within which accountants must operate. The course concentrates on the following topics: business organizations, professional responsibilities, contracts, government regulation of business, the Uniform Commercial Code (Articles 2, 3 and 9) property and debtor-creditor relationships.

Prerequisite(s): LAW2001.

Offered at Providence

3 Semester Credits

**LAW3015 Criminal Procedure**

This course presents an overview, analysis and critique of American criminal procedure in the context of the U.S. Constitution, with special emphasis on the Fourth Amendment with respect to search and seizure, stop and frisk, arrest, evidence, interrogations, confessions, identification, and remedies such as the exclusionary rule. Other constitutional issues relevant to the foregoing, including the Fifth and Fourteenth Amendments' due process and equal protection doctrines, shall be examined.

Offered at Online, Providence

3 Semester Credits

**LAW3025 Criminal Law**

This course is an introduction to the basic elements of, and defenses to, criminal liability. Topics include the basic crimes against the person (homicide, assault, battery, rape, etc.), the basic crimes against property (larceny, fraud, embezzlement, burglary, etc.), and the basic defenses and justifications (diminished capacity, self-defense, mistake, etc.).

Offered at Online, Providence

3 Semester Credits

**LAW3055 International Business Law**

This course introduces the student to the principles of public and private international law. It addresses the legal problems of doing business in developed, developing, and non-market economy countries, together with the economic and political issues that commonly arise.

Prerequisite(s): LAW2001.

Offered at Online, Providence

3 Semester Credits

**LAW3065 Employment Law**

This course acquaints students with the different legal rules governing the employer/employee relationship. Topics include employment discrimination, sexual harassment, employment contracts, labor relations, Fair Labor Standards Act, The Americans with Disabilities Act (ADA), OSHA and vicarious liability. There is heavy emphasis on discussion and written work.

Prerequisite(s): LAW2001 or LAW2010.

Offered at Online, Providence

3 Semester Credits

**LAW3080 Cyberlaw**

This upper-level course confronts students with the changes and adaptations of U.S. law resulting from the ascendancy of computers and the Internet. Fundamental common law and statutory assumptions about the nature of person, place, thing and action are called into question by data transactions between computer memories, unprecedented wealth concentrated in the development and distribution of software, widespread access to large quantities of data with minimal quality control, and the blurring of geographical boundaries. Students examine how contract formation, defamation, obscenity, copyright, trademark, privacy and other legal issues have been changed by technology and the online world.

Prerequisite(s): LAW2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LAW3610 Cannabis Law**

This course examines the legal issues specific to the cannabis industry, particularly businesses engaged in the cultivation, sale and/or distribution of cannabis and its derivatives. Covered topics include the different legal frameworks existing between the federal government and the states, the legality of THC products (cannabis, CBD oil, hemp, etc.), medical marijuana versus recreational marijuana (including edibles), relevant intellectual property regulations, and the taxing systems imposed on marijuana-related businesses.

Prerequisite(s): LAW2001, sophomore status.

Offered at Providence

3 Semester Credits

**LAW5410 Food Law and Policy**

This advanced course examines legal rules, especially federal statutes and regulations, that impact the production, processing, transportation, labeling, advertising and sale of food. These legal tools touch on a wide variety of food-related concerns, including but not limited to genetically modified and organic food, labels and advertising, obesity and malnutrition, food equity and animal welfare, and environmental practices. Special attention is paid to the power of government to regulate various aspects of food, and to the limitations on that power.

Prerequisite(s): LAW2001 or LAW2005.

Offered at Online, Providence

3 Semester Credits

**LAW6000 Law for Accountants**

This course offers the student a practical approach to understanding the complexity in the area of law and the implications upon the accounting profession. Discussion centers on the study of business organizations, contracts, bankruptcy, wills and estates, antitrust, employment law and products liability. Emphasis is placed on the legal liability of the accountant and professional responsibility. Students gain an understanding that the accounting profession is a self-regulating industry whereby theory and reporting requirements are initiated, developed, implemented and enforced by the accounting profession.

Prerequisite(s): LAW2001 or LAW2010, completion of required accounting prerequisite and foundation courses.

Offered at Online, Providence

3 Semester Credits

**LEAD1010 Foundations of Leadership Studies**

This course draws upon a variety of research-based theories and applications germane to the study of leadership. Theoretical paradigms of motivation are discussed and applied to communication styles, decision making, risk taking, team building, conflict resolution, negotiation, diversity and inclusion. Leadership traits, leadership styles and roles are examined in the context of ethics, power and social responsibility.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**LEAD2011 Leadership and Women in History**

In a variety of arenas, a number of powerful women have made their mark on history. This course examines famous women leaders and explores the nature of leadership as it existed from the ancient world through modern times. Relying upon the disciplines of history and leadership studies, this course offers a different perspective on the concepts and ideas that hold contemporary value for those interested in learning more about women leaders, past and present.  
Prerequisite(s): LEAD1010.  
Offered at Charlotte  
3 Semester Credits

**LEAD2012 Power and Leadership**

This course provides an overview of the nature and types of power and their connections to leadership. Relationships between concepts and practices of power, and their role and influence across a number of spheres, settings, roles and relationships are explored. Since issues of power present unique challenges in today's complex, networked and digitized world, special attention is given to the topics of supportive communication, relationship building, organizational politics and the effective management of power relations.  
Prerequisite(s): LEAD1010 or SOC1001 or SOC2005.  
Offered at Online, Providence  
3 Semester Credits

**LEAD3020 Creative Leadership**

The objective of this course is to develop and enhance one's own creativity, allowing each individual the opportunity to become a more productive leader of tomorrow. Extensive classroom participation and a variety of activities allow each student to experience personal growth and influence the growth of others. For Providence Campus students, the course may only be offered virtually or online. Students should consult with their academic advisor regarding course availability and for planning.  
Prerequisite(s): LEAD1010 or SEE2015.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**LEAD6100 Leadership Theory and Practice**

This course examines contemporary theories, research and practices of organizational leadership. Students are exposed to ways that leadership has been conceptualized and applied to various theories of psychology through analysis of research and contemporary issues in organizational settings. This course also challenges students to analyze their personal leadership style and how they may change over time to address key personal and professional priorities.  
Prerequisite(s): HOSP6120 or PSYC5400.  
Offered at Online  
3 Semester Credits

**LIBS4900 Liberal Studies Capstone: The Great Conversation**

This seminar draws on coursework from the Liberal Studies major and synthesizes it in the form of a research-based project on an original topic. Projects focus on substantive issues that explore the seminal works of Western civilization and the questions that they raise: Where did we come from? What does it mean to be free? What is justice? What is truth? What does it mean to be virtuous? Students explore substantive areas of scholarship and creative works throughout history encompassing philosophy, politics, science, religion, literature, film, music and the arts. Through problem-based learning, students develop the characteristics of self-reliant thinkers and learners and demonstrate their capacity to cultivate a rich intellectual experience.  
Prerequisite(s): Senior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**LIT1020 Introduction to Literary Genres**

This survey course prepares students to read, analyze and write about the major literary genres: poetry, fiction and drama. Students are exposed to a variety of forms and styles in each genre from a wide range of historical periods. Literary selections represent a diverse group of classic and contemporary writers, poets and playwrights.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**LIT2030 African-American Literature**

This course examines African-American literature in a variety of genres from its conception in the days of slavery to contemporary times. Emphasis is on the historical and social significance of major works of African-American literature as well as the unique artistic contributions of African-American authors to the American literature canon. Literary movements are examined in their historical, political, intellectual and social contexts through a number of contemporary theoretical perspectives.  
Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Charlotte, Providence  
3 Semester Credits

**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  
3 Semester Credits

**LIT2090 Multi-Ethnic Literature**

This course introduces students to fiction, autobiography, poetry, drama and many other forms of literature by writers from many racial and ethnic backgrounds including African American, Asian American, Latino, Chicano, American Indian and more. Emphasis is placed on the historical context in which the writings have evolved as well as the problems encountered by these various cultural groups as they intersect with American culture. Through reading the literature of many cultures and countries, students search for the common themes that unite humanity across the globe.  
Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Charlotte, Providence  
3 Semester Credits

**LIT2415 Disease in Film and Literature**

This course focuses on the intersection between disease and the arts, exploring how literature and film reflect and shape our understanding of the human condition through illness as well as the constantly evolving relationship between patient and healer. Students also examine how issues of race, culture, gender and class are represented in text and film, both historical and otherwise, in narratives of illness and treatment. Students consider to what extent classic and contemporary narratives construct and deconstruct the boundaries of empathy and compassion.  
Prerequisite(s): ENG1021 or ENG1027.  
Offered at Providence  
3 Semester Credits

**LIT3001 Studies In Drama**

This is an introductory course in the history of drama. Critical analyses of literary elements are conducted in the context of genres from the ancient Greeks to contemporary drama. Both written works and performances are examined and analyzed.  
Prerequisite(s): ENG1021 or ENG1027.  
Offered at Charlotte, Providence  
3 Semester Credits

**LIT3015 Food In Film And Literature**

This reading, screening and discussion-intensive course explores representations of food in both literature and film. Students examine how narratives are framed, how characters are developed, and how reoccurring themes of food are used symbolically and metaphorically. Utilizing a wide range of influential texts and select films, our inquiry includes extensive analyses of the role that food plays in contributing to the development of our cultural and personal identities as well as creating and maintaining communities. The readings and films provide a comprehensive overview of different time periods to allow for analyses of themes such as gluttony, desires and appetites, and celebrations of nature's bounty among many others.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT3018 Honors Seminar: The Languages of Food: Culture and Media**

This reading and writing-intensive honors seminar traces the use of food as both subject and metaphor in literature and film throughout the ages. The first half of the course examines the relationships between food and philosophy, food and politics, and food and history as portrayed through a wide variety of literary and film genres. The second half of the course focuses on analytical comparisons of food-centered texts and their film adaptations. Through discussion of course readings and screenings, students develop an analytical perspective on the study of food in film and literature that they apply to a research project of their own design.

Prerequisite(s): ENG1027, honors or SHARP status, sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**LIT3030 Studies In Poetry**

This course prepares the student to read, analyze, and write about poetry from different critical perspectives. Students study representative poets and are exposed to a variety of forms and techniques of poetry from the Middle Ages to the contemporary.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT3120 Masterpieces of World Literature**

This course provides students with the opportunity to explore the texts that have shaped and continue to shape the literary canon, starting with ancient texts dating from the earliest works of literature to major works from many historical periods and civilizations. Students read and think critically about literary works to examine them carefully. Close readings allow students to gain insight into the works in their cultural/historical contexts and of the enduring human values and conflicts that span various literary traditions.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Providence

3 Semester Credits

**LIT3180 The Graphic Novel**

This course serves as an introduction to critical methods in popular culture studies, with a focus on the graphic novel as cultural product and practice. Students explore the role graphic design plays in storytelling, as well as the ways in which meanings emerge in several celebrated texts of the graphic novel genre. Through diverse theoretical perspectives, students explore notions of identity, character interaction, intertextuality, comic art and caricature within both fictional and autobiographical works.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**LIT3220 Masterpieces of American Literature**

This course surveys American literature from its pre-Colonial origins through contemporary times. 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): Sophomore status.

Offered at Providence

3 Semester Credits

**LIT3240 Masterpieces in British Literature**

This course surveys British literature from ancient through contemporary eras. It examines literary movements in their historical, political, intellectual and social contexts through a number of contemporary theoretical perspectives. In doing so, it engages major issues past and present as constructed and revealed through literary texts. Students study influential works from diverse authors such as Chaucer, Spenser, Milton, Behn, Keats, Kipling, Wilde, Gaskell, Yeats, Joyce, Woolf and Lawrence (among others), who present a range of views on gender, class, race, religion, politics and other controversial subjects.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

**LIT4010 Science Fiction**

This course analyses the evolution of science fiction from its early origins to the present. Fantastic and futuristic elements of plot are examined as social commentary. A variety of styles in several genres include traditional science fiction, fantasy, horror and cyberpunk.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**LIT4040 Shakespeare**

This course presents an introduction to the world of William Shakespeare by examining the historical contexts of his work, his life and his theatre. Works read and analyzed during the course are representative of Shakespeare's achievements in history, tragedy, comedy and poetry. Students trace Shakespeare's continuing relevance and influence on modern art and thought.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Online, Providence

3 Semester Credits

**MATH0010 Pre-Algebra**

Students are assigned to this course based on placement tests given prior to taking MATH1020 or MATH1002. The course is designed to teach students the basic mathematical concepts and methods that will prepare them for studying college-level mathematics. Topics include a review of basic arithmetic, an introduction to algebra, and problem-solving techniques.

Offered at Charlotte, Online, Providence

1.5 Semester Credits

**MATH1002 A Survey of College Mathematics**

This course is designed to teach students the basic mathematical concepts and methods that will assist them in using mathematics in both their personal and professional lives. Topics include problem solving, sets, probability, statistics, consumer mathematics, and the rudiments of college algebra.

Prerequisite(s): MATH0010 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH1020 Fundamentals of Algebra**

This course provides students with a working knowledge of the basic elements of algebra. Topics covered include graphing, inequalities, exponents and roots, logarithms, and factoring, and the solution of linear, quadratic, logarithmic, rational and radical equations, as well as systems of linear equations.

Prerequisite(s): MATH0010 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH1030 Precalculus**

This course features the concepts and techniques essential for the study of calculus. Topics include functional notation; algebraic, trigonometric, exponential and logarithmic functions; analytic trigonometry; and matrix algebra.

Prerequisite(s): MATH1020 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH1035 Quantitative Analysis I**

This is a business-oriented mathematics course that features applications in algebra and differential calculus. Topics include linear, quadratic, exponential and logarithmic functions as well as matrices, linear programming, and derivatives.

Prerequisite(s): MATH1020 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH1040 Calculus I**

This course provides students with an introduction to the basic elements of differential and integral calculus. Topics include functions and limits, continuity, differentiation and its applications, relative extrema, and an introduction to integration.

Prerequisite(s): MATH1030 or math placement.

Offered at Charlotte, Providence

3 Semester Credits

**MATH2001 Statistics I**

This course is designed to provide students with the basic statistical concepts and techniques that will assist them in both their personal and professional lives. Topics include measures of central tendency and dispersion, probability distributions of both discrete and continuous random variables, sampling distributions, estimation theory, and an introduction to hypothesis testing.

Prerequisite(s): MATH1002 or higher (minimum grade of C in MATH1002 or MATH1020 required for hybrid sections of MATH2001).

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2002 Statistics II**

This course is a continuation of Statistics I. It is designed to provide students with the statistical concepts and techniques of inferential statistics. Topics include hypothesis testing; testing the difference between two means, two proportions and two variances; correlation and regression; Chi-square tests; analysis of variance; and nonparametric statistics.

Prerequisite(s): MATH2001 or MATH2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2010 Introduction to Biostatistics**

This course is an introductory statistics course with a focus on applications to biomedical and related fields such as nutrition, pharmacology, ecology, genetics, health and physiology. Topics include descriptive statistics, correlation and regression, statistical studies, elementary probability theory, probability and sampling distributions, estimation theory, and hypothesis testing.

Prerequisite(s): MATH1002 or MATH1020.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2015 Honors Seminar: Experimental Design and Statistics**

This course provides students with statistical concepts and techniques that assist them in both their academic and professional lives. Basic concepts such as measures of central tendency and dispersion, probability distributions of both discrete and continuous random variables, sampling distributions and estimation theory are covered, and techniques such as hypothesis testing and correlation are introduced. The course culminates in the application of experimental design to a real-world situation.

Prerequisite(s): MATH1002 or higher (minimum grade of C in MATH1002 or MATH1020 is required for hybrid sections of MATH2015), honors or SHARP status.

Offered at Charlotte, Providence

3 Semester Credits

**MATH2020 Discrete Mathematics**

This course is designed to give students the basic mathematical concepts and methods that are prevalent in information science. Topics include logic, sets, relations, functions, algorithms, recurrence relations, elementary graph theory and trees.

Prerequisite(s): MATH1020 or math placement.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MATH2035 Quantitative Analysis II**

A continuation of MATH1035, this course further examines the applications of the derivative such as maxima and minima, and marginal analysis. Both indefinite and definite integration are discussed along with their application to business and economics. Partial differentiation and functions of several variables are also presented.

Prerequisite(s): MATH1035.

Offered at Providence

3 Semester Credits

**MATH2040 Calculus II**

This course is a continuation of MATH1040. Topics include a detailed treatment of the calculus of transcendental functions, formal integration methods, improper integrals, infinite series, and further topics in analytic geometry.

Prerequisite(s): MATH1040.

Offered at Providence

3 Semester Credits

**MATH2043 Ordinary Differential Equations**

This course introduces the student to the field of ordinary differential equations. Topics include methods for solving linear differential equations and their applications, Laplace Transform Methods, and the solution of systems of linear differential equations along with their applications.

Prerequisite(s): MATH2040.

Offered at Providence

3 Semester Credits

**MATH2220 Linear Algebra**

Linear algebra is a branch of mathematics that studies systems of linear equations, vector spaces, linear transformations, and the properties of matrices. Main topics covered include linear systems and their solutions, linear transformations, matrix and vector algebra, vector spaces, determinants, eigenvalues and eigenvectors. Students study a variety of interdisciplinary applications and related strategies throughout the course.

Prerequisite(s): MATH1035 or MATH1040.

Offered at Providence

3 Semester Credits

**MATH3040 Calculus III**

This course is a continuation of MATH2040. It is designed to provide students with a detailed treatment of the calculus of functions of several variables and vectors. Topics include vector algebra, vector-valued functions, partial derivatives, vector differential calculus, and the integration of vector fields including the Divergence Theorem and Stokes' Theorem.

Prerequisite(s): MATH2040.

Offered at Providence

3 Semester Credits

**MATH4900 Applied Statistics**

In this capstone course, students have the opportunity to apply knowledge obtained in statistics courses to further develop their research and analytical thinking skills. Students take part in three research projects: (1) critical analysis of existing professional statistical papers, (2) data collection in an attempt to support a personal hypothesis, and (3) collaborative research to support one side of an argument in a debate format.

Prerequisite(s): MATH1035 or MATH1040, MATH2002, senior status.

Offered at Providence

3 Semester Credits

**MATH5100 Statistical Methods**

This course provides the student with an understanding of concepts in experimental design and the connection of these concepts to research validity. Emphasis is placed on the knowledge and skills necessary for the critical evaluation and application of statistical methodology. Topics include but are not limited to experimental design, descriptive statistics, probability distributions, hypothesis testing, and regression.

Offered at Online, Providence

3 Semester Credits

**MCOM1005 Introduction to Media & Communication**

This is a survey course that introduces students to the study of media across time and space. The course focuses on the histories of various modalities, from speech and print to television and social media. Students also engage with a variety of concepts from the field of media studies, as well as with political-economic and social-cultural approaches to media research.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM1070 Writing for Radio, Television and Film**

This course teaches students how to successfully write for radio, television and film by introducing them to the key elements of production for each medium. Students become familiar with a broad range of standard formats, acquire fundamental industry terminology and closely examine a variety of creative techniques for producing professional copy. The course balances theory and practice, providing students with many concrete examples through which to learn the essential components of script writing, from commercials, PSAs and talk shows to documentaries and a host of fictional formats. Students demonstrate their understanding of important concepts and develop their own skills and talents by writing a series of short scripts for each medium. This is a writing-intensive course in which assignments are designed to cultivate the strengths and interests of each student, while always requiring the student-writer to consider the demands of form and content, as well as audience and marketability.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM1150 Introduction to Media Production**

This production course introduces students to several modes of professional practice in the field of media production. Through the creation of short works of visual and auditory media, students acquire practical, professionally focused experience as well as the necessary technological skills to effectively communicate their message to an audience. With emphasis on the craft of storytelling, this course provides students with the foundational experience they need to engage in more complex, independent media productions.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM1200 Communicating for Social Change**

In this course, students focus on the use of media to enable participation in the processes that can lead to social change. Media and communication can facilitate social change that has a direct effect on many diverse constituencies, especially those that are often underrepresented. This effect may be felt in areas such as hunger, poverty, gender discrimination, healthcare, human trafficking, and human rights. The foundation to enable change is derived from communication processes that include strong dialogue between multiple stakeholders. In this course, students learn strategies to identify areas of significant need, analyze stakeholders, and develop effective messages to facilitate social change.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM1210 Foundations of Digital Photography**

This introductory course provides students with an overview of important concepts, terminologies and best practices associated with digital photography. Through a number of hands-on exercises, assignment work, and discussions and critique, students discover the many overlapping connections between image-based communication and personal expression. While learning how digital cameras work, students become immersed in a critical discourse which allows them to identify and create more successful imagery. Topics include portraiture, food and event-based photography, documentary and technological considerations.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM2010 Media Industries**

This course provides an in-depth look at the industrial contexts within which media professionals work. Of primary concern are the ways in which a range of factors (i.e., organizational philosophies, economic structures, regulatory contexts, technological innovations and day-to-day business practices) work to determine the ways in which media organizations operate, as well as how such contexts shape the kinds of media texts these industries produce. Ultimately, the course introduces future media professionals to concepts necessary for understanding and navigating the contemporary media landscape.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2030 Media Texts**

This course surveys key theories and methods for conducting analysis in relation to media texts. As such, this course tackles advanced questions of textual construction, meaning and interpretation. Students closely read various media texts from a variety of theoretical perspectives, such as semiotics, narrative theory and discourse analysis. Through the application of such theories and methods, students develop a conceptual vocabulary with which to articulate the myriad ways in which media texts create meaning, elicit responses, and mobilize feelings and attitudes within audiences. Students also think deeply about the role media texts play in the construction, maintenance and transformation of our social world.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2050 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 19th, 20th and 21st centuries. By reading and writing about media audiences in historical and contemporary contexts, students come to understand the effects of, as well as their own responses to, mediated messages.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2100 Children, Youth and Media**

This course examines selected works aimed at children and young adults, and focuses on the interpretation and analysis of how media engages and affects young viewers. In addition to viewing selected works, students read what researchers and critics have to say in their analyses.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2150 Visual Communication**

In this course, students learn how we make sense of the visual culture in which we live. They become proficient in the language of visual communication by studying the roots of the field and the key concepts that scholars and practitioners use to analyze drawings, paintings, photographs, video and film. Students also create an original project. The course concludes with the dissemination and reception of the project.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2200 Television Studies**

This course offers critical perspectives on American television and its complex relationship to contemporary culture and everyday life. Specifically, the course covers several aspects that are crucial to understanding television as a cultural artifact: economic structure, aesthetic practices and technological developments, the consumption habits of audiences, government regulation, and social impact. Along the way, students gain a solid grasp of television's history and speculate about its future.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2300 American Film**

This course explores major developments in the U.S. film industry during its first 100 years. The course is structured chronologically and focuses on moments in film history that are particularly relevant to the medium's development as an aesthetic form, industrial product and cultural practice. While a large portion of the course covers the Hollywood film industry, focus is also on the development of independent film in the U.S., which has always existed alongside the mainstream industry in various and ever-changing states of co-dependence. Students gain a strong appreciation for the wide variety of cinematic movements and styles that make up U.S. cinema, as well as a deep understanding of the way in which economic factors and industrial logic determine the kinds of films that are made. American cinema is also discussed in a global context, considering the ways in which international films and filmmakers have influenced, and been influenced by, the U.S. film industry.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2400 Writing for Publication**

This course focuses on the various sectors and processes of the publishing industry, including (but not limited to) periodicals, book publishing, professional journals and online publishing. Throughout the term, students explore the various sectors of the industry and become adept at researching the market and identifying appropriate venues for a variety of works. Instruction begins with critical analysis of the market and develops into an in-depth discovery of the industry from the genesis of a piece to representation, acquisition, editing, distribution and marketing. Issues of copyright laws, collaboration and issuance of contract terms are central to the course. By the end of the term, students are challenged to assess their own writing in regard to audience, timeliness and marketability in today's publishing industry.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2450 Writing in Digital Media**

This course examines the theory and practice of writing in a digital age. Special emphasis is on ethics and the rhetorical conventions for online communication and the design of information, particularly for professional purposes. Topics include designing an effective blog, web style and identity online, social media applications, copyright and authorship issues, and participating in collaborative online environments.

Prerequisite(s): ENG1021 or ENG1027 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM2520 Environmental Journalism**

This course provides students with an opportunity to concentrate on environmental journalism for books, magazines, newspapers and websites. Exploring the genre, they learn how to write news and feature stories, as well as how to create multimedia packages. Topics also include developing sources, conducting interviews, crafting query letters and tailoring work to publications.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM2550 Introduction to Multimedia Storytelling**

This course examines the practice of journalism and multimedia coverage in a digital age. Special emphasis is placed on preparing students to create content and to package news for a multi-platform audience. Topics include reporting and writing for the web; using photography, graphics, sound and videos to tell a story; designing and publishing online; and incorporating social media and networks.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM2610 Motion Picture Editing**

Motion Picture Editing is a video post-production course which provides students with a thorough overview of non-linear editing software and techniques. Students work on a number of short video projects while gaining a thorough understanding of professional editing applications and their user-interfaces. Media management, post-production workflow, audio trimming, and mixing as well as color correction and file compression are studied.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM2650 Sound Production**

This audio-based course provides students with the necessary recording skills required to inform and entertain an audience sonically. While primarily focusing on the delivery of effective aural messages, students are responsible for the writing, recording, assembly and post-processing of short audio products such as podcasts and voice-over narration for television and film. Techniques in microphone usage, foley recording and sound design are introduced as students put the pieces together using a digital audio workstation.

Prerequisite(s): MCOM1150 or MCST1150.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM2850 Media Law**

This course introduces students to foundational legal principles that inform the work of media professionals such as entrepreneurial content creators, public relations specialists, and journalists. Students study the legal system generally and gain exposure to the constitutional, statutory and regulatory environment wherein lawful communications are distinguished from those that violate the law. To understand the judicial process, students engage with such relevant common law torts as defamation and invasion of privacy, exploring the potential for liability and the nature of court-imposed damages. In addition, an examination of the constitutional right to freedom of expression under the First Amendment offers students the framework under which governing statutory law and administrative regulations may permissibly occur. Coverage of copyrights and trademarks, journalistic privilege, obscenity, and media ownership provides the context for appreciating the tensions between government regulation of media and the First Amendment. Throughout the course, students rely heavily on their developing ability to think critically and communicate clearly about complex issues.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM3050 Media Identities**

This course analyzes the ways in which media texts, from films to television shows, represent contemporary forms of social identity such as gender, race, class and sexual orientation. Specifically, students are encouraged to ponder the role contemporary media plays in constructing popular understandings of social identity, as well as how audiences use media representations to form their own sense of identity. Students engage with contemporary theoretical perspectives on media representation, evaluate current research in the field, and perform their own analyses based on this material.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM3090 Critical Perspectives on New Media**

This course examines the rise of digital media technologies and their impact on contemporary culture. Topics include: economic issues, such as how the new digital landscape contributes to the consolidation of media ownership; industrial issues, such as how digital technologies cultivate new kinds of relationships between media producers and consumers; social issues, such as how the internet and social media change the way that individuals interact with one another and re-imagine themselves; and political issues, such as digital technology's potential to break down some barriers (i.e., global, national, cultural), while erecting others (i.e., economic barriers related to access). Through critical engagement with these issues, students are encouraged to think deeply and ethically about the media's past, present and future.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM3100 Radio, Records and Popular Music**

This course is divided into three interlocking sections: genres, industries and technologies. The genres section explores major forms of popular music, such as jazz, blues, country and rock. The industries section examines how the businesses of radio and music produce culture. The technologies section describes the gramophone, phonograph, radio, jukebox, tape recorder and digital files in their social and technological contexts. Borrowing from multiple fields, such as media studies, sociology, anthropology, history and musicology, the course situates these genres, industries, and technologies alongside several themes, including noise and silence, listening and recording, body and voice, regionalism and urbanism, race and class, and creativity and commerce.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM3200 History of Photography**

This course covers important photographic inventions, from the camera obscura and the daguerreotype to the 35mm still camera and the Polaroid. Various formats and prints are studied from social-cultural perspectives, such as banquet camera photographs, cartes de visite, magic lantern slides, news photographs and picture postcards. The documentary quality of photographs is also addressed, with examples that draw from the works of Margaret Bourke-White, Dorothea Lang and Walker Evans, among others.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MCOM3220 Advanced Photographic Practices**

In this advanced image-making course, students strengthen their photographic work through intensive professional practice. Meetings are led as workshops, where students use digital cameras, studio lighting and industry-standard post-processing software. Class culminates with students preparing their photographic work for a public exhibition.

Prerequisite(s): MCOM1210 or MCST1210.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM3300 Hip-Hop Culture**

Hip-hop culture, over the course of its recognized existence, has given rise to much controversy, admiration and study. Now recognized as a global phenomenon that appeals to youth cultures, the hip-hop movement can be identified in nearly every aspect of human existence. Hip-hop is also the subject of transnational dialogues about race, gender, sexual orientation, class, tradition and change. In the spirit of such dialogues, this course facilitates discussion and research about the creation, circulation and consumption of hip-hop culture. Course readings cover hip-hop's history from the African diaspora to contemporary influences around the world.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

**MCOM3400 Latinx Music Culture**

This course traces the origins and evolutions of genres and styles of Latinx music in the United States during the 20th and 21st centuries. Through its chronological approach, the course places a significant emphasis on the geographies of Miami, San Antonio, New York, Los Angeles and San Francisco as key sites of cultural production. Students consider the commercial appeal of crossover performers and independent musicians' approaches to folk and underground music. Throughout the course, students interpret the aesthetic, semantic and symbolic properties of genres and styles, such as Latin rock, salsa and reggaeton, often in political and economic contexts. In the process, they are exposed to the stories of musicians, album producers, record shop owners, music critics and radio DJs involved in the creation and circulation of Latinx music—all cultural workers with their own transnational, generational, socioeconomic, racial-ethnic and gender-sexual identities.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

**MCOM3600 Narrative Filmmaking**

This course provides students the opportunity to collaborate on the production of a number of short films that explore fiction-based storytelling. Emphasis is on creating visual dynamism as students develop, write, direct and produce their own short films. Advanced techniques in lighting, cinematography and directing actors allow participants to create work of high-production value.

Prerequisite(s): MCOM1150 or MCST1150.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM3650 Documentary Filmmaking**

This course goes in-depth into how nonfiction films are made from initial concept through distribution. Strategies for producing, including solutions to the unique challenges inherent to documentary production, are explored. Through a combination of screenings and critiques of documentary films (which may include genres such as political, sports, music and/or biographic), shooting exercises and critical analysis of work produced in class, the course culminates in a final project: a short, student-developed work of nonfiction or a written treatment.

Prerequisite(s): Junior status.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM3700 Media Research Methods**

This course provides essential training on how scholars think by asking students to participate in the process of knowledge creation. Students are familiarized with a variety of qualitative research methods used by media scholars, such as interview studies, focus groups, participant observation, historical and textual analysis. Not only do students read and critique prior research performed by media scholars, they also gain practical, hands-on experience with these methods through a series of method-based projects. This course is beneficial to students who wish to pursue research positions in the media industries as well as for those who plan to continue their studies in graduate school. As part of the MCST core curriculum, it also prepares students for the research-based capstone project in MCOM4200.

Prerequisite(s): ENG1021 or ENG1027, MCOM1005 or MCST1005.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM4010 Global Media**

This course takes a critical look at the practices of media corporations, governments and audiences, mostly through the lenses of nationalism and imperialism. Particular emphasis is placed on the idea of globalization and its connection to contexts of reception at local, national and international levels. The course also addresses key themes such as trade, tradition, nation, globalism and localism. Students read political-economic and ethnographic analyses of cultural artifacts and production sites that bear the imprints of, on the one hand, transnational media corporations, and, on the other, regional audiences.

Prerequisite(s): ENG1021 or ENG1027, MCOM1005 or MCST1005.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM4050 Media & Popular Culture**

This course surveys the ways in which everyday acts and artifacts communicate messages. Students interpret how fashion, food, fiction and other forms of communication influence and are influenced by social structures and global institutions. Students also consider the ways in which icons and symbols generate meaning for diverse audiences. Course readings address ideology, identity, community, subjectivity and the body, among other topics.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Charlotte, Providence

3 Semester Credits

**MCOM4200 Media & Communication Capstone**

This seminar draws on coursework from the major and synthesizes it in the form of one research-based project on an original topic. Projects focus on substantive issues and may take several forms, from traditional scholarship such as a research paper or a critical analysis, to creative work — film or television scripts, journalism, fiction, photography, music or any type of performance art.

Prerequisite(s): ENG1021 or ENG1027, MCOM1005 or MCST1005.

Offered at Charlotte, Providence

3 Semester Credits



### **MCOM4400 Cinematic Lighting Studio**

Lighting is explored as a narrative element in this advanced studio course. Students create short video sketches through their hands-on use of specialized tools, designed to produce the look of high-end cinematography. Through the analysis and reconstruction of various lighting studies from classic and contemporary films, techniques are put to practice in studio environments and field locations. Topics include how quality and placement of lights convey emotion, interview lighting, Chroma keying and safety considerations.

Prerequisite(s): Junior status and two of the following production courses: GDES3300, GDES3310, MCOM/MCST 1210, 2500 or 3600.

Offered at Providence

3 Semester Credits

### **MGMT2001 Human Resource Management**

Human Resource Management (HRM) is the strategic approach to the management of people in an organization. Organizational Behavior (OB) is the way people think, work and behave in an organization. The field of HRM is reliant on OB; it considers the behavior of individuals and groups within organizations and explores how to effectively lead employees to achieve the organization's goals. This course provides students with knowledge, skills and understanding of HRM and OB to prepare them for using organizational behavior knowledge to practice effective management of human resources (employees). Topics in HRM include job design, recruitment, selection, training and development, performance appraisal, compensation, compliance with employment regulations and laws, labor relations, and strategic human resource management. Topics in OB include motivation, learning, and organizational culture.

Prerequisite(s): BUS1001 or EVNT1001 or FSM1001 or HOSP1001 or SEE1001 or SPM1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT2020 Organizational Behavior**

This course prepares students for changing workplace dynamics and individual and group behaviors in organizations. The course also provides a foundation for business students to understand the strength in diversity and how to respect individuality while encouraging belonging. In this course, students explore diversity, equity, inclusion and belonging, as well as countering bias. Students also explore teams, decision-making, providing/receiving feedback, negotiating, communication, leadership, and personality/dispositions.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT2030 Operations and Supply Chain Management I**

This course provides an overview of the fundamentals of operations and supply chain management in the manufacturing and service sectors. The course reflects the changing face of operations from an internally focused supportive function to a strategic part of the enterprise value chain. Topics include the supply chain model, product and process design, project management, process analysis, total quality management, and sustainability.

Prerequisite(s): BUS1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT3005 Workforce Planning and Deployment**

This course explores the human resource processes of workforce planning, including sourcing, recruiting, hiring and retaining and mobilizing talent within the organization. Subtopics include developing and evaluating sources of talent, succession planning, and the legal environment's impact on such managerial actions.

Prerequisite(s): MGMT2001.

Offered at Online, Providence

3 Semester Credits

### **MGMT3015 Labor Relations**

This course explores labor relations within organizations and the processes used to clarify and manage relationships with employees, specifically in unionized environments. Emphasis is on assessing how union, governmental and workforce policies, practices, history and functions relating to labor management in the public and private sectors affect business and human resource management.

Prerequisite(s): MGMT2001.

Offered at Online, Providence

3 Semester Credits

### **MGMT3030 Managerial Technology**

This course surveys the relationship of technology with the managerial process, strategic competitiveness, operational effectiveness and the business enterprise. The course explores technologies typically available to business managers, and how those technologies can be leveraged to increase organizational and professional success. Students are also exposed to approaches and managerial practices through demonstrations, case studies, simulations and experience-based exercises.

Prerequisite(s): FIT1040, MGMT2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT3035 Operations and Supply Chain Management II**

This course expands on students' knowledge of operations and the supply chain by introducing students to qualitative and quantitative methodologies used by operations and supply chain professionals. The course covers key concepts in the areas of forecasting, capacity, utilization, scheduling, inventory management, and planning including MRP and ERP. Students apply these concepts and their associated methodologies to common problems faced by organizations.

Prerequisite(s): MATH2001, MGMT2030.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT3040 Process and Quality Management**

This course thoroughly examines the concept of quality management as well as tools and approaches used to manage quality improvement efforts in organizations. Students are exposed to the theoretical and practical issues to prepare them to initiate quality and process improvements in their business careers, suitable for operations management and other functional professionals.

Prerequisite(s): MGMT2030, MATH2001.

Offered at Online, Providence

3 Semester Credits

### **MGMT3045 Logistics**

This course acquaints students with the basic concepts of product distribution and the terminology used in the logistics field. The course recognizes the changing face of logistics from an internally focused supportive function to a strategic part of the enterprise value chain. Students learn the process of planning effective product distribution and discuss methods of transportation and traffic management techniques. Emphasis is on the following major areas: the supply chain model, product and process design, project management, inventory and inventory management, warehouse management, global logistics and sustainability and risk management.

Prerequisite(s): MGMT2030.

Offered at Online, Providence

3 Semester Credits

### **MGMT3050 Compensation, Benefits and Total Rewards**

This course explores the dynamic profession of compensation, benefits and total rewards management. Topics are explored through the perspective of the human resources professional, which provides a view of the ever-changing world of employee reward development, government and regulatory changes, and expectations of both the employer and employee in a competitive business arena.

Prerequisite(s): MGMT2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT3055 Procurement**

This course acquaints students with the basic concepts of purchasing and supply chain management. Emphasis is on the organization and operation of the procurement department, principles and procedures in purchasing processes, strategy, and planning (ERP, MRP, WMS, etc.). This course covers price considerations, quality, commodity management/sourcing, the negotiation process, legal aspects in purchasing, social responsibilities/ethics, supplier selection, supplier management and e-commerce/technology management.

Prerequisite(s): MGMT2030.

Offered at Online, Providence

3 Semester Credits

### **MGMT3060 Training and Development**

This course explores training and development in a competitive global business environment. The course reviews research findings that support training and development as an essential component of effective business performance. Students explore the relationship between business strategy and strategic training and development, as well as the relationship between learning theory and effective training and development. Students design and deliver training in the classroom setting.

Prerequisite(s): MGMT2001.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT4001 Process Planning and Control**

This course offers a quantitative approach to operations and supply chain management problems. Key areas of focus include the management of waiting lines, forecasting, inventory, location/scheduling and project management. Particular emphasis is placed on the application of tools and techniques to solve problems such as linear programming and other methodologies widely used in business settings.

Prerequisite(s): MGMT2030 or MGMT3035, MGMT3040.

Offered at Online, Providence

3 Semester Credits

### **MGMT4020 Strategic Management**

This course provides students with the fundamentals of business strategy. The first part of the course addresses environmental analyses and the tools used to assess these environments. The second part of the course addresses the different strategies a firm may choose at both the firm- and business-unit level, and how the chosen strategic position is strengthened through internal alignment. The third part addresses the theories behind developing sustainable competitive advantage. Leadership and corporate ethics are also discussed.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT4030 Senior Business Capstone**

This capstone course requires students to synthesize knowledge gained from previous coursework in business strategy, operations, finance, production, marketing, information technology, human resource management and corporate social responsibility to make decisions in a simulated business environment.

Prerequisite(s): MGMT4020, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **MGMT4050 Contemporary Issues in Operations and Supply Chain Management Strategy**

This course examines the operations and supply chain function as an organization's source for developing a sustainable, competitive advantage. The concept of operations is viewed from the perspective of the firm's entire value chain. The impacts of technology, globalization and contemporary issues are examined in depth. Through the use of business cases and/or simulations, students apply operations management techniques and tools to determine strategies and make operational and supply chain decisions.

Prerequisite(s): BUS3010 or MGMT4020, senior status.

Offered at Online, Providence

3 Semester Credits

### **MGMT4140 Human Resource Management Seminar**

This seminar course focuses on emerging areas within the field of human resource management and the strategic deployment of human capital to support organizational strategy. Students research and examine these areas within the context of strategic and human resource management. Students then apply concepts from earlier coursework and assess the emerging area while identifying the appropriate changes within the human resource management practices to support day-to-day operations.

Prerequisite(s): MGMT3050, MGMT3060, junior status.

Offered at Online, Providence

3 Semester Credits

### **MGMT4200 Leadership Capstone**

This capstone course requires students to apply their previous studies of management, business and leadership to analyze and solve leadership issues posed in different cases and scenarios. They also examine how elements such as organizational strategy, strong decision-making skills, and visionary thinking can be used by individuals in leadership positions to maximize workplace performance and employee morale. In addition, students assess how informal leadership roles held by employees and formalized leadership roles attributed to organizational hierarchy connect to significantly impact the work processes that underscore modern business practices. At the end of this course, students utilize their in-depth understanding of classroom material to integrate leadership and management principles into a comprehensive project addressing a current and meaningful organizational issue.

Prerequisite(s): BUS3010, LEAD2012.

Offered at Online

3 Semester Credits

### **MGMT5323 Communication and Conflict Resolution**

This course examines the underlying sources of conflict in professional settings and interactions, and how mindful, productive communication helps to minimize both tension and anxiety in communication exchanges. This course introduces daily organizational conflicts and how they impact organizational performance and outcomes. Students assess how communication can effectively alter their perceptions of conflict and how it can be used as a positive force for change and growth. Additionally, students diagnose a significant conflict in their own professional lives and develop an effective communication plan that eliminates workplace conflict that impacts the organization's overall effectiveness.

Prerequisite(s): COMM5200.

Offered at Online, Providence

3 Semester Credits

### **MGMT5350 Talent Development**

This course examines the specific elements that go into the identification of organizational talent and the methods by which that organization attracts, develops, engages and retains quality employees. Strategies to improve required competencies, encourage professional development and maintain the motivational levels of high-performing employees are also discussed.

Offered at Online, Providence

3 Semester Credits

### **MGMT5575 Operations Management**

This course provides students with a broad introduction to the field of operations management in a realistic and practical manner. The course blends accounting, industrial engineering, management science and statistics to assist in solving real-world operations management problems. The course integrates case studies in many of the operations management areas of study, such as product design, quality, globalization and inventory control.

Prerequisite(s): EMT5010 or RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

### **MGMT5800 Effective Leadership**

This course reviews how mid- to upper-level managers can become effective leaders by drawing on knowledge of the major concepts, theories and skills used in the field of organizational behavior. A major focus of this course is on developing leadership diagnostic and problem-solving skills through numerous analyses of situations that mid- to upper-level executives are likely to encounter and require their attention. Throughout this course, particular emphasis is placed on the ethical, international and multicultural dimensions of organizational leadership. Students conduct research on selected topics in the fields of leadership and organizational behavior. Students also participate in a wide variety of self-assessment exercises that will help them better understand what they need to do next to become more effective leaders.

Offered at Online, Providence

3 Semester Credits

**MGMT5850 Women and Leadership in Society**

This course is designed to offer students a critical analysis of interpersonal, social and cultural barriers related to women and leadership positions/roles within organizations in the US. Through a review of selected autobiographical stories of female leaders and historical data that explains the challenges faced by women within society, students develop a greater understanding of issues related to female leaders. In addition, students study the existing biases and expectations found in current organizations in order to identify ways to reduce the gender divide within their organizations.

Prerequisite(s): MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT5885 Workplace Emotional Intelligence**

In today's business world, communication skills that demonstrate clarity and conciseness are often considered among the most valuable to possess. However, another kind of communication skill has become significantly important in contemporary organizational life. Emotionally intelligent communication is the ability to read individuals and successfully gauge their emotional tenor as they deal with others in a variety of workplace challenges. This course examines what emotionally intelligent and mindful communication is and how the practice of bringing presence to everyday work communications can be applied to numerous business interactions. The benefits and challenges associated with this kind of communication are also explored. Lastly, students are introduced to a number of tools and techniques that can enhance their mindful approach to communication and help build the interpersonal relationships critical to organizational success.

Prerequisite(s): MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT5900 Ethics, Corporate Social Responsibility and Law**

This course challenges students in making difficult and necessary ethical choices on the basis of limited information and frequent conflicting values. In their future roles as professionals in a chosen field, students face moral temptation and ethical dilemmas that resist easy answers or simple formulas for action. A major goal of this course is to develop an analysis of the important role of all stakeholders in a corporation. The firm's interaction with its environment, navigation through national and international laws reconciling various legal obligations, and impact as it discharges its responsibility to the world and local community is extensively shared through case studies and community service projects.

Prerequisite(s): Completion of required foundation courses or EMGT5010, EMGT5020.

Offered at Online, Providence

3 Semester Credits

**MGMT6030 Entrepreneurship**

This advanced management course enables students to gain competence in the specific techniques used by successful entrepreneurs. This course examines entrepreneurial myths and realities, as well as the concept of corporate entrepreneurship.

Prerequisite(s): MGMT5800, RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

**MGMT6056 Contemporary Leadership Issues and Strategies**

Building on concepts and skills acquired in the core leadership course (MGMT5800), this is an advanced leadership course that explores in depth the topic of how to deal with the multifaceted nature and challenges of contemporary leadership. Key themes in this course include identifying contemporary leadership issues and exploring the pros and cons of using different strategies to address these issues. Primary emphasis is on learning techniques that students can use to continue to develop their leadership skills as they progress in their respective careers. Employing a seminar/workshop format, students are required to research strategies for dealing with important contemporary leadership issues that they will pursue in depth and then present to the class. By the conclusion of this course, students are required to describe in writing the particular strategies, skills and sensibilities that they will need to continue to develop in order to fully realize their potential as leaders.

Prerequisite(s): MGMT5800, RSCH5700 or RSCH5800.

Offered at Online, Providence

3 Semester Credits

**MGMT6150 Coaching and Consultation Skills**

This course examines the theories that undergird the practices of executive coaching and organizational consulting. Topics covered include coaching and leadership principles, relevant competencies and communication skills, and contemporary ethical and legal issues. Students investigate applicable assessment tools and resources to apply effective ethical and professional principles of coaching and consulting to practice through the analysis of economic, market and competitive forces that impact business strategy and performance.

Offered at Online, Providence

3 Semester Credits

**MGMT6210 Project Management**

This course covers all knowledge areas in the project management body of knowledge (scope, schedule, budget, risk, procurement, communication, human resources and quality) and combines theory with practice. Students analyze real-world project scenarios and apply concepts of knowledge areas, tools and techniques to create concrete project management artifacts and solve typical problems that arise in business. This course provides industry best practices and current trends, going beyond the standard project management textbook material. Students work in teams to experience project management situations and practice leadership, communication and negotiating skills.

Prerequisite(s): EMGT5010 or MGMT5800.

Offered at Online, Providence

3 Semester Credits

**MGMT6225 Team Dynamics**

In today's world, teams are a keystone of work life and managing change. The process of establishing and leading effective teams involves thoughtful attention to diverse personalities, perspectives and skill sets in addition to many other sociocultural factors. This course analyzes the impact of individual, group and organizational variables on team dynamics, and vice versa. Students critically discuss key theories, research and principles on teamwork and apply them to address an array of problems faced in modern actual and virtual team settings through case studies, as well as group and individual projects.

Offered at Online, Providence

3 Semester Credits

**MGMT6310 Designing & Managing Supply Chains**

This course examines the logistics management and components, design and operations, and administration and risk of supply chains, including technology. Areas covered include supply chain theory and practice, logistics and planning, procurement and buying, information management, inventory management, transportation infrastructure, network and operations design, and performance and risk measure. Upon completion of the course, students have an overall understanding of how to build and operate an efficient supply chain and understand the individual components of the chain.

Prerequisite(s): MGMT5575.

Offered at Online, Providence

3 Semester Credits

**MGMT6320 Global Strategic Sourcing**

In this course, students learn to design, build, evaluate and manage a global sourcing network for a business. Focus includes theories of how strategic global sourcing benefits the firm including make/buy analysis, supplier evaluation and other key aspects. The majority of the course examines the components of global sourcing networks and how to build and combine these components into a full strategic sourcing supply model.

Prerequisite(s): MGMT5575.

Offered at Online, Providence

3 Semester Credits

**MGMT6330 Global Logistics**

This course examines the practice of global logistics. Students learn the aspects of current logistical practices, how logistics incorporates information technologies, the impact of logistics on financial measures of the firm, and how logistics are used in inventory management, facility location, warehouse operations and transportation management. Focus is on logistics in the global market; special attention is given to the application and understanding of international issues in the field.

Prerequisite(s): MGMT5575.

Offered at Online, Providence

3 Semester Credits

**MGMT6340 Lean Production and Quality Control**

This course examines various quality control techniques and methods with a concentration on achieving lean efficiency in all areas of operations. Areas covered include lean thinking, value-stream mapping, Gemba Kaizen, continuous process improvement methods, Kaikaku methods, work flow analysis, and error proofing operations and supply chains. Upon completion of the course, students are prepared to take the Lean Bronze Certification Exam.

Prerequisite(s): MGMT5575.

Offered at Online, Providence

3 Semester Credits

**MGMT6360 Organizational Theory and Change**

This course reviews and analyzes theory and research as they pertain to organizational design and change. Students discuss the influence of environmental forces on organizational effectiveness and change. Both classical and contemporary theories as well as practical models for organizational design and change are explored. Students are empowered as scholar practitioners to effectively influence change in organizational settings and discuss organizational design strategy in an ever-changing global environment.

Prerequisite(s): PSYC5400.

Offered at Online

3 Semester Credits

**MGMT6440 Project Management Simulation I**

This course is the first of two courses designed to be an advanced successor to MGMT6210. It allows students to apply their knowledge of project management to real-world projects in a simulated environment. Students are assigned projects at the beginning of this course and then create all of the required project management artifacts. They manage change and measure results of the deliverables throughout the term. Project "updates" are submitted each week and reviewed by the instructor (project sponsor). This first of two courses closes with the project sponsor changing scope of the project.

Prerequisite(s): MGMT6210.

Offered at Online, Providence

3 Semester Credits

**MGMT6450 Project Management Simulation II**

The second of two advanced courses, this course allows students to apply their knowledge of project management to real-world projects in a simulated environment. This course continues to build on the project assigned in Project Management Simulation I by adding the business components of human resource management, communications management and procurement management after the initial scope was modified at the conclusion of Project Management Simulation I. The course concludes with project closure procedures while continuing to manage change and measure results of the deliverables at the end of the term. Project "updates" are submitted each week and reviewed by the instructor (project sponsor).

Prerequisite(s): MGMT6440.

Offered at Online, Providence

3 Semester Credits

**MGMT6800 Business Policy and Strategy**

This interdisciplinary capstone core course focuses on how to create, identify and manage competitive advantage within an organization. Students are encouraged to use skills and insights developed during prior coursework as they strategically analyze contemporary business issues and cases. Throughout the course, particular emphasis is placed upon developing both a strategic perspective and a global viewpoint. Students formulate strategies and tactics that are appropriate for the different organizations under consideration. Readings, exercises and class discussions focus on real-world examples of strategic issues that students are likely to encounter as managers of organizational units. Tools and techniques for performing strategic analyses and stimulating innovative problem solving in a highly competitive global environment are covered in detail. Students complete a major comprehensive project that is graded collaboratively.

Prerequisite(s): Completion of required core courses in which one of the following may be taken concurrently: FISV5720, IBUS5511 or MGMT5575.

Offered at Online, Providence

3 Semester Credits

**MGMT6810 Graduate Seminar in Strategic Management**

This elective seminar offers a review and discussion of the contemporary literature on management and strategy using source documents from the most recent professional publications and academic research. Students conduct and present in-depth analyses of selected topics in management science, including relevant research from organizational and social psychology. Through readings and discussions, students become familiar with evidence-based approaches that can lead to better decision-making processes. The wisdom of many management fads and conventional wisdom are questioned through examinations of the research in those areas.

Prerequisite(s): MGMT6800 (or concurrent).

Offered at Online, Providence

3 Semester Credits

**MGMT7000 Organizational Strategy and Design**

This course provides insights on how to build, change and organize business structures, as well as investigate strategic theories, tools and best practices, applied to real case studies. Students review scholarly literature and other sources of information on developing business strategy and organizational architecture.

Offered at Online

3 Semester Credits

**MGMT7010 Organizational Behavior**

The focus of this course is the theoretical and practical models and implications of organizational behavior and its relationship to individual, group and organizational challenges and opportunities. Students learn how to best leverage their human resources and create a productive and ethical work environment by studying concepts such as diversity in the workplace, perception and attribution processes, motivation and individual differences in organizations, group dynamics and decision-making, teamwork, leadership, job performance and satisfaction, and quality improvement programs.

Offered at Online

3 Semester Credits

**MGMT7030 Innovation and Change**

This course focuses on research, evaluation and application of organization change and innovation theories. Students evaluate change and innovation research and apply their understanding to the development and presentation of organization change plans. Students analyze cases and synthesize scholarly research related to their industry/and or interest area to produce a literature review supporting their doctoral research. Upon completion of this course, students are able to develop quantitative and qualitative proposals for organization change and innovation research.

Offered at Online

3 Semester Credits

**MGMT7050 Contemporary Leadership Issues**

This course is designed with the experienced leader in mind. Students learn the latest research pertaining to individual, team and organizational leadership. Emotional intelligence, particularly self-awareness, is the foundation for leadership competence and personal power. Students gain insights that serve as the foundation for authentic, positive communication (verbal and nonverbal), principled decision-making, and moral authority. Understanding leaders' influence on organizational culture, climate, human resource development, and corporate social responsibility are a major part of this course. Communication technology, the shift of power to consumers, and changes in societal values are explored as powerful forces causing organizations to become transparent and integrate authentic values with brand image.

Offered at Online

3 Semester Credits

**MGMT7070 Business Analytics and Intelligence**

This course applies key concepts of business intelligence from an executive management perspective in the contemporary business environment. Students learn how to leverage big data and systems to develop and evaluate strategic alternatives, make better informed decisions, and effectively manage business. The course includes an overview of uses and users of business intelligence, as well as the type of applications and tools that may be deployed in business analytics to foster data-driven decisions in a digital and global economy.

Offered at Online

3 Semester Credits

**MGMT7090 Executive Decision-Making**

Students enhance critical thinking and reasoning skills concerning strategic business issues involving ambiguity and uncertainty. Students learn to structure the decision-making process and use quantitative techniques such as decision trees and simulation, as well as qualitative tools such as estimating probabilities. Estimating risk tolerance, prioritizing objectives, and the ability to generate and evaluate alternatives are covered for managerial decision-making.

Offered at Online

3 Semester Credits

**MGMT7120 Advanced Strategies in Organization Development**

This course focuses on aligning organizations with rapidly changing and complex environments through organizational learning, knowledge management and transformation of organizational norms and values. Key concepts of organizational development theory are discussed, including organizational climate (mood or personality, including attitudes and beliefs that influence members' collective behavior), organizational culture (deeply-seated norms, values and behaviors that members share) and organizational strategies (how an organization identifies problems, plans action, negotiates change, and evaluates progress).

Offered at Online

3 Semester Credits

**MGMT8120 Organizational Interventions — Disruption and Change**

Organizations experience both externally imposed disruption and internally planned changes. This course prepares students to diagnose the internal and external environments when disruption and change occurs and develop plans to support the organization as it undergoes changes. Students utilize research in several fields to make informed decisions and collect research within organizations to make decisions, including psychometric assessments. The course also prepares students to understand the psycho-social impact of such changes on the workforce and make appropriate group-level and individual-level interventions. Students develop coaching and process consultation skills for future application in organizational development.

Offered at Online

3 Semester Credits

**MGMT9120 Leading and Managing Large-Scale Transformation**

This course focuses on research, evaluation and application of management theories pertaining to large-scale organization transformation. This course builds upon the management foundations explored in the core courses of the program and complements the organization development concentration courses. Large-scale transformations of organizations are complex and multifaceted, and consequently require leaders to adopt numerous lenses to effectively understand and influence change. The four key theoretical frameworks are explored: 1) systems theories, 2) complexity theories as they pertain to organizational leadership, 3) global/international dimensions of organizational culture and 4) organizational ethics theories. Students analyze cases and synthesize scholarly research related to their industry/and or interest area to produce a literature review supporting their doctoral research.

Offered at Online

3 Semester Credits

**MRKT1001 Marketing Foundations**

In this course, students learn the dynamic role that advertising, marketing, media and branding play in today's business, retail and public sector environments. Emphasis is placed on all aspects of integrated marketing communications and understanding the relationship between the brand and the consumer. Marketing fundamentals across multiple forms of media are explored in this course. Industry best practices and innovative marketing strategies are analyzed across digital and traditional forms of media.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT1002 Consumer Behavior**

Consumer behavior is a social science that applies sociology, psychology and marketing to examine the motivations and influences of purchase behavior. Students examine the various facets of the consumer decision process, including need recognition, consideration, conversion, purchase and post-purchase evaluation and digital aspects of the consumer decision journey.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT1011 Key Account Management**

Students learn about buying processes and personalities, and how to target, prospect, approach and interview customers in order to determine unmet needs and potential opportunities. Consultative selling, learning about the customer before talking about the product, is explored in this course. Students learn through role-plays and skills-based training to build relationships with customers and other business partners in a relationship-oriented world.

Offered at Online, Providence

3 Semester Credits

**MRKT2050 Market Research and Consumer Insights**

This course provides students with a broad overview of market research methods and the role of research in developing consumer insights. Through both qualitative and quantitative research techniques students familiarize themselves with the appropriate uses and limitations of marketing research. Students increase their understanding of various marketing research techniques and gain insights into data-driven decision-making.

Prerequisite(s): MRKT1001, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT3002 Brand Design**

This is an advanced course with an emphasis on corporate brand identity development. The course sequence focuses on the development of research, strategy, and design, in particular the areas of organization, culture, and identity. Students study how complex organizations are defined by their public identities, and how those identities can be strategized and designed with the goal of applying the concepts to a client-based project. Topics include a five-step brand identity process and a showcase of best practices. Project-based activity include brand research, logo development, product packaging, marketing and advertising collateral, web branding, and broadcast advertising development as applicable to client need.

Prerequisite(s): ADVC1010 or MRKT2050 or MRKT3005, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT3005 Brand Marketing**

This course examines the role of a brand as an asset to an organization and the advantages of creating strong brands. Emphasis is placed on the creation, measurement, and strategic applications of brand equity. Topics covered include choosing brand elements, designing supporting marketing programs, leveraging secondary associations, building brand portfolios, and adjusting brand strategy over time and geographic boundaries. Particular emphasis is placed on the role of promotional mix elements in the communication of brand equity.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT3020 Product Development**

This course examines the role of product development as a function of an integrated marketing system. Students explore the synergy of design and technology to create consumer value. Topics include innovation, concept generation, global sourcing, and manufacturing processes.

Prerequisite(s): MRKT1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT3033 Brand Marketing and Analytics**

This course examines the role of brand marketing as an essential asset for an organization; the advantages of creating, developing and managing strong relevant products of value; and the relation of product value to the organization's supply chain. This course is designed to improve students' marketing skills and understanding of specific marketing topics in brand and product management, brand communications, and the data-driven decision-making and analysis required to build, manage and communicate brand equity.

Prerequisite(s): ADVC1010, MRKT2050, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**MRKT3045 Social and Digital Media Marketing**

This course focuses on the strategic use of current and future social and digital media platforms. Students develop a social and digital media marketing plan using the major social media platforms and generative AI content creation tools for digital, mobile, social and video content. Students explore the use of digital and 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): ADVC1010 or DMSM1001 or FSM3075 or HOSP3075, sophomore status.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**MRKT3050 Contemporary Sales in the Global Economy**

In this course students view the sales process in the global economy. In addition, students explore the selling profession and sales management. Students demonstrate expertise in important sales management responsibilities such as territory management, account management, leadership, influence, motivation, recruiting, selection, training, compensation, forecasting and budgeting. Students learn through role-play and skills-based training to build relationships with customers and other business partners in a relationship-oriented world. Prerequisite(s): ENG1030, MRKT1001, junior status.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**MRKT3085 Marketing Analytics**

This course is designed to teach students how to read and analyze marketing dashboards, which provide key insights about consumers that align with organizational objectives. Students compare and contrast different types of marketing metrics categories. Students learn how to understand brand loyalty from the customer's data profile. Students gain experience with dashboard systems, which better prepares them for positions in the world of big data and the marketing analytics field.

Prerequisite(s): FSM3075 or HOSP3075 or MRKT1001, junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**MRKT4030 International Marketing**

This course explores various differences in cultural, economic and legal factors as they relate to the marketing process. This is a systematic treatment of marketing on a global scale, extending basic principles into foreign marketing requirements. Students learn to identify and evaluate problems in the international marketplace and propose solutions and implementation strategies to resolve those problems.

Prerequisite(s): BUS3010 or MRKT3005, junior status.  
Offered at Charlotte, Providence  
3 Semester Credits

**MRKT4055 Global Strategic Marketing and Advertising**

This capstone course is designed to develop the students' ability to implement an exciting and cohesive brand marketing and advertising strategy, adaptable to a changing business environment. It is a necessity for meaningful career preparation and placement of students in the fields of marketing and advertising. This capstone course requires participants to develop skills essential to anticipating and responding to constantly changing needs of customers and markets. It is a thorough examination of marketing strategy and integrated advertising campaign, using a combination of text and case materials.

Prerequisite(s): MRKT2050, senior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**MRKT5500 Strategic Marketing**

This course is designed for students who can apply skills and knowledge gained through previous courses or experience. The course emphasizes issues of setting a viable marketing strategy through segmentation, targeting and positioning in today's competitive global marketplace. Through case studies, course readings, lecture and student presentation opportunities, students address a wide range of marketing problems, many of which involve strategy. Additionally, through the cases and readings, students are exposed to a broad spectrum of marketing environments such as products and services or consumer markets versus business markets. The role of brand management in today's competitive environment is presented.

Prerequisite(s): RSCH5700 or RSCH5800.

Offered at Online, Providence  
3 Semester Credits

**MRKT6010 Advertising and Promotional Strategies**

This course is focused on researching the marketplace, forecasting, planning, problem-solving and decision-making as they apply to promotional activities. Students investigate the various areas of promotion, learn the skills necessary to work with an outside agency or an internal department, and analyze the major components of personal selling, advertising, sales promotion and public relations. Topics discussed include advertising objectives, budget, media strategies, client-agency relationships and measuring advertising effectiveness.

Prerequisite(s): MRKT5500, RSCH5700 or RSCH5800.

Offered at Online, Providence  
3 Semester Credits

**MRKT6035 Brand Management**

This advanced marketing course focuses on the role of brand management in organizations, both large and small. A key component of this course is the historical development and current evolution of brands. The role of technology is explored. Current issues in brand management are an integral part of this course.

Offered at Online, Providence  
3 Semester Credits

**MRKT6125 Marketing in the Digital Environment**

This course is designed to give students an understanding of the elements of data-driven marketing as an integrated part of a total marketing program. Upon completion of this course, students should have an understanding of databases, data-driven marketing, email marketing, social media advertising, and other forms of electronic media as they are used in data-driven marketing programs.

Offered at Online, Providence  
3 Semester Credits

**MRKT6140 Digital Analytics for Marketing Managers**

This course is designed to teach students how to utilize marketing analytics to measure, analyze and manage marketing performance efficiency and cost-effectiveness. Students learn how to read and analyze marketing dashboards, which provide consumers insights and prepares them for positions in the world of big data and marketing analytics. Students learn how to understand brand loyalty from the customer's data profile and apply analytics tools such as web analytics, competitive analysis, customer journey, and market segmentation to inform marketing decisions, forecast sales, create customer profiles, and customize elements of the marketing program.

Offered at Online, Providence  
3 Semester Credits

**MRKT6543 Social Media & Internet Marketing**

This course provides students with a broad view of the evolution of social media and internet marketing. Social media and internet marketing integration into a communication strategy are presented for both for-profit and nonprofit organizations. Students are challenged to execute social media and internet advertising and measure the results. Analyses of research include qualitative and quantitative examination. Students are expected to have a solid understanding of the traditional marketing mix and a working understanding of social media and internet advertising.

Prerequisite(s): MRKT5500.

Offered at Online, Providence  
3 Semester Credits

**MRKT7100 Problems and Methods in Marketing Management**

Students evaluate and create marketing strategies within the context of business strategy. Assets, core competencies, the value proposition, product-market investment strategies, and interdependent functional strategies (e.g., HR, operations) create the competitive strategy that informs marketing strategies for products and brands. Students learn the theories of the field including both key seminal literature and current published research. Students explore problem-solving techniques for practical application through cases and modeling techniques, and study current developments in marketing from both academic and practitioner perspectives.

Offered at Online

3 Semester Credits

**NPM5030 Financial Management and Budgeting in Nonprofit Organizations**

This course is an overview of the practice of budgeting and financial management in nonprofit organizations. It covers various budgetary processes, including how budgets are developed, implemented and enacted. The course also covers how budgeting and financial management fit in with the structure of nonprofit function and the impacts of budgeting on the overall organization. Students are expected to learn how to navigate the practical aspects of budgeting and finance through case studies and actual reports from nonprofits.

Offered at Online

3 Semester Credits

**NPM5040 Program Evaluation**

This course in program evaluation is designed to introduce students to practical methods of evaluating nonprofit programs. Emphasis is on currently used methods of program evaluation, using case studies to illustrate how theoretical methods are practically applied. Students are expected to gain an understanding of theoretical frameworks as well as practical qualitative and quantitative tools used to evaluate programs against standards of efficiency, equity and other goals.

Offered at Online, Providence

3 Semester Credits

**NPM5050 Resource Development for Nonprofits**

This course is designed to provide students with a working knowledge of resource development and management, including fundraising, donor management and volunteer management. Students are expected to gain an understanding of practical methods currently used to develop resources to be used in the capacity of nonprofit organizations.

Offered at Online, Providence

3 Semester Credits

**NPM6800 Strategic Planning and Leadership in Nonprofit Organizations**

This course provides the opportunity for students to synthesize key concepts and learning from all other courses in the Nonprofit Management master's degree program. Each course in the program has presented an important aspect of managing and leading a nonprofit organization. In the capstone seminar, students are expected to use these diverse concepts they have learned in the program to demonstrate their critical analysis and thinking abilities in the final capstone project.

Prerequisite(s): 12 credits completed in Nonprofit Management (NPM) and/or Public Administration (PAD) courses 5000 level (or higher).

Offered at Online

3 Semester Credits

**NURS3010 Foundations of Nursing Practice**

This course introduces foundational nursing principles that build future professional and clinical practice. Course concepts include nursing as a profession, the nursing process, oxygenation/perfusion, elimination, the infective process, skin, rest, sleep, loss, grief, death, culture, health and wellness, spirituality, and sexual health. There is strong underlying focus of nurse/client safety within the course.

Prerequisite(s): Corequisite: NURS3030, NURS3110, NURS3115, NURS3160.

Offered at Charlotte, Providence

6 Semester Credits

**NURS3030 Foundations of Nursing Practice Practicum**

This course introduces foundational nursing principles that build future professional and clinical practice. This course applies the concepts from NURS3010, Foundations in Nursing Practice, into clinical practice within various healthcare settings. Course concepts include nursing as a profession, the Nursing Process, oxygenation/perfusion, elimination, the infective process, skin, rest, sleep, loss, grief, death, culture, health and wellness, spirituality, and sexual health. There is strong underlying focus of nurse/client safety within the course.

Prerequisite(s): Corequisite: NURS3010, NURS3110, NURS3115, NURS3160.

Offered at Charlotte, Providence

2 Semester Credits

**NURS3110 Health Assessment**

This course introduces the student to the concepts of performing a comprehensive health assessment for clients across the life span. Students gain knowledge related to the components of the health assessment of clients through an understanding of communication techniques as well as concepts related to performing a physical assessment of the client. Students learn assessment through a human body systemic approach with an end outcome of the complete client's health assessment.

Prerequisite(s): Corequisite: NURS3010, NURS3030, NURS3115, NURS3160.

Offered at Charlotte, Providence

3 Semester Credits

**NURS3115 Health Assessment Lab**

This course builds on the concepts from NURS3110, Health Assessment, and allows the student in a lab environment to apply the concepts of performing a comprehensive health assessment to clients across the life span. Students gain knowledge related to the components of the health assessment of clients through an understanding of communication techniques as well as concepts related to performing a physical assessment of the client. Students learn assessment through a human body systemic approach with an end outcome of the complete client's health assessment.

Prerequisite(s): Corequisite: NURS3010, NURS3030, NURS3110, NURS3160.

Offered at Charlotte, Providence

1 Semester Credit

**NURS3160 Pathophysiology**

This course builds upon the student's prerequisite social science, biology, and chemistry courses. Students begin a comprehensive study of human pathophysiology and disease processes. Students study the epidemiology, disease state presentations and corresponding common clinical evaluations, and morbidity and mortality. Students acquire critical knowledge of the pathophysiologic processes across the life span.

Prerequisite(s): Corequisite: NURS3010, NURS3030, NURS3110, NURS3115.

Offered at Charlotte, Providence

4 Semester Credits

**NURS4050 Care of the Adult I**

This course builds on the concepts from Foundations in Nursing Practice and introduces the students to clients who live with chronic illnesses. The course continues to build on the clinical decision and clinical judgement model. Chronic health issues for the neurological, cardiovascular, respiratory, gastrointestinal, genitourinary, endocrine, renal, and fluid/electrolyte/acid base balance systems are addressed within the course.

Prerequisite(s): NURS3010, NURS3030, NURS3110, NURS3115, NURS3160,

Corequisite: NURS4060, NURS4140, NURS4150, NURS4180.

Offered at Charlotte, Providence

6 Semester Credits

**NURS4060 Care of the Adult I Practicum**

This course applies the concepts from NURS4050, Care of the Adult I, into clinical practice within various healthcare settings. This course introduces the care needed by clients who live with chronic illnesses. The course continues to build on the clinical decision and clinical judgement model. Chronic health issues for the neurological, cardiovascular, respiratory, gastrointestinal, genitourinary, endocrine, renal, and fluid/electrolyte/acid base balance systems are addressed within the course.

Prerequisite(s): NURS3010, NURS3030, NURS3110, NURS3115, NURS3160,

Corequisite: NURS4050, NURS4140, NURS4150, NURS4180.

Offered at Charlotte, Providence

2 Semester Credits

**NURS4140 Mental Health Nursing**

This course introduces the concepts of holistic mental health well-being. This course emphasizes the use of an interdisciplinary approach. Course concepts focus on nurse and client safety, client assessment, and therapeutic communication. The course also introduces the student to a broad span of mental health diagnoses.

Prerequisite(s): NURS3010, NURS3030, NURS3110, NURS3115, NURS3160,  
Corequisite: NURS4050, NURS4060, NURS4150, NURS4180.

Offered at Charlotte, Providence

3 Semester Credits

**NURS4150 Mental Health Nursing Practicum**

This course allows the student to apply the concepts of holistic mental health well-being in a variety of healthcare settings. This course builds on NURS4140, Mental Health Nursing, and emphasizes the use of an interdisciplinary approach. Course concepts focus on nurse and client safety, client assessment, and therapeutic communication. The course also introduces the student to a broad span of mental health diagnoses.

Prerequisite(s): NURS3010, NURS3030, NURS3110, NURS3115, NURS3160,  
Corequisite: NURS4050, NURS4060, NURS4140, NURS4180.

Offered at Charlotte, Providence

1 Semester Credit

**NURS4180 Pharmacology**

This course builds upon the student's prerequisite biology and chemistry courses. Students begin a comprehensive study of pharmacology and the application of pharmacotherapies commonly encountered with disease processes. Students acquire critical knowledge of pharmacologic interventions utilized in disease treatment and promotion of health and wellness across the life span. Students employ evidence-based practice for pharmacologic interventions including indications for treatment, side effects, efficacy, mode of administration, adherence, cost, and nursing implications for practice.

Prerequisite(s): NURS3010, NURS3030, NURS3110, NURS3115, NURS3160,  
Corequisite: NURS4050, NURS4060, NURS4140, NURS4150.

Offered at Charlotte, Providence

4 Semester Credits

**NURS4210 Care of Children**

This course introduces foundational nursing principles for the care of children. The course explores the nursing care needed from infancy through adolescence. Concepts covered include systemic illnesses and diseases specific to children, culture, the family unit, safety, and end-of-life as it relates to children. There is strong underlying focus of nurse/client safety within the course.

Prerequisite(s): NURS4050, NURS4060, NURS4140, NURS4150, NURS4180,  
Corequisite: NURS4220, NURS4250, NURS4260, NURS4310, NURS4340.

Offered at Charlotte, Providence

3 Semester Credits

**NURS4220 Care of Children Practicum**

This course applies the concepts from NURS4210, Care of Children, into clinical practice within various healthcare settings. This course allows the student to apply the concepts needed to provide nursing care from infancy through adolescence. Concepts covered include systemic illnesses and diseases specific to children, culture, the family unit, safety, and end-of-life as it relates to children. There is strong underlying focus of nurse/client safety within the course.

Prerequisite(s): NURS4050, NURS4060, NURS4140, NURS4150, NURS4180,  
Corequisite: NURS4210, NURS4250, NURS4260, NURS4310, NURS4340.

Offered at Charlotte, Providence

1 Semester Credit

**NURS4250 Maternal Newborn Nursing**

This course introduces nursing knowledge and concepts required for the nursing care of women's health across the life span, obstetrics, and care of the newborn. The course explores the family unit, women's health as a whole, care of the pregnant woman, care of the woman during the labor process, care of the woman during the postpartum period, and care of the newborn. The course addresses those concepts that are routine along with specific high-risk concepts.

Prerequisite(s): NURS4050, NURS4060, NURS4140, NURS4150, NURS4180,  
Corequisite: NURS4210, NURS4220, NURS4260, NURS4310, NURS4340.

Offered at Charlotte, Providence

3 Semester Credits

**NURS4260 Maternal Newborn Nursing Practicum**

This course applies the concepts from NURS4250, Maternal and Newborn Nursing, into clinical practice within various healthcare settings. This course introduces nursing knowledge and concepts required for the nursing care of women's health across the life span, obstetrics, and care of the newborn. The course explores the family unit, women's health as a whole, care of the pregnant woman, care of the woman during the labor process, care of the woman during the postpartum period, and care of the newborn. The course addresses those concepts that are routine along with specific high-risk concepts.

Prerequisite(s): NURS4050, NURS4060, NURS4140, NURS4150, NURS4180,  
Corequisite: NURS4210, NURS4220, NURS4250, NURS4310, NURS4340.

Offered at Charlotte, Providence

1 Semester Credit

**NURS4310 Evidence-Based Practice and Healthcare Informatics**

This course introduces the student to the concepts of informatics, evidence-based practice and research. The course combines the concepts by researching a current health informatics topic and provides a writing intensive learning experience. This course introduces the student to the principles, methods and process of nursing research for evidence-based practice, including ethics and the moral responsibilities involved in research using human subjects. Students are introduced to all steps of the research process and gain an understanding of how research contributes to the development of nursing knowledge, improves nursing practice and patient outcomes, supports design of innovative nursing systems, and enhances education and professional accountability. This course also introduces the student to nursing informatics and research with a focus on the application of information science and scholarly work to nursing practice. Ethical and legal issues, including privacy and security, related to electronic systems in healthcare are emphasized. Students are introduced to information from a variety of sources and examine the function of information systems and technologies as the foundation for evidence-based practice. Clinical-decision support tools, the electronic health record (EHR) and quality improvement systems are explored. This introductory course prepares graduating and practicing nurses with foundational informatics competencies to meet nursing standards for providing safe, high-quality, evidence-based nursing care.

Prerequisite(s): NURS4050, NURS4060, NURS4140, NURS4150, NURS4180,  
Corequisite: NURS4210, NURS4220, NURS4250, NURS4260, NURS4340.

Offered at Charlotte, Providence

3 Semester Credits

**NURS4340 Leadership in Nursing**

In this course students focus on theoretical foundations and conceptual principles of nursing leadership and the skills necessary to practice leadership competently and effectively in healthcare environments. Students develop leadership self-awareness and are encouraged to deepen personal perspectives in leading professionally. Recognizing leadership traits and styles in self and others gives students the opportunity to engage their own strengths and create a vision and philosophy for nursing leadership. Legal and ethical challenges, workforce considerations, quality improvement and nursing management are explored in the context of effective leadership for evidence-based nursing practice in evolving complex healthcare systems.

Prerequisite(s): NURS4050, NURS4060, NURS4140, NURS4150, NURS4180,  
Corequisite: NURS4210, NURS4220, NURS4250, NURS4260, NURS4310.

Offered at Charlotte, Providence

3 Semester Credits

**NURS4420 Community/Public Health Nursing**

This course introduces concepts of community/public health nursing. Concepts focus on utilizing the population-focused nursing process, with emphasis on health promotion, risk reduction and disease management across the life span in community settings.

Prerequisite(s): NURS4210, NURS4220, NURS4250, NURS4260, NURS4310,  
NURS4340, Corequisite: NURS4430, NURS4460, NURS4470.

Offered at Charlotte, Providence

3 Semester Credits



**NURS4430 Community/Public Health Nursing Practicum**

This course allows the student to apply the concepts of community/public health nursing introduced in NURS4420, Community/Public Health Nursing. Concepts focus on utilizing the population-focused nursing process, with emphasis on health promotion, risk reduction and disease management across the life span in community settings. Students apply these concepts in areas such as simulation, public schools, health department, free clinics, and other factions that serve the community.

Prerequisite(s): NURS4210, NURS4220, NURS4250, NURS4260, NURS4310, NURS4340, Corequisite: NURS4420, NURS4460, NURS4470.

Offered at Charlotte, Providence  
1 Semester Credit

**NURS4460 Care of the Adult II**

This course builds on the concepts from Foundations in Nursing Practice and Care of the Adult I. This course introduces the students to clients who are experiencing acute illnesses. Clients experiencing health issues for the neurological, cardiovascular, respiratory, gastrointestinal, genitourinary, endocrine, renal, and fluid/electrolyte/acid base balance systems are addressed within the course. This course, with its related practicum, begins the transition of practice from nursing student to novice professional nurse.

Prerequisite(s): NURS4210, NURS4220, NURS4250, NURS4260, NURS4310, NURS4340, Corequisite: NURS4420, NURS4430, NURS4470.

Offered at Charlotte, Providence  
6 Semester Credits

**NURS4470 Care of the Adult II Practicum**

This course builds on the concepts from Foundations in Nursing Practice and Care of the Adult I. In this course students apply the concepts needed to provide care to clients who are experiencing acute illnesses. Clients experiencing health issues for the neurological, cardiovascular, respiratory, gastrointestinal, genitourinary, endocrine, renal, and fluid/electrolyte/acid base balance systems are addressed within the course. This course, with its related theory/didactic course, begins the transition of practice from nursing student to novice professional nurse.

Prerequisite(s): NURS4210, NURS4220, NURS4250, NURS4260, NURS4310, NURS4340, Corequisite: NURS4420, NURS4430, NURS4460.

Offered at Charlotte, Providence  
4 Semester Credits

**NUTR5010 Foundations of Nutrition I**

This course is designed for students who are entering the M.S. in Nutrition program without prior significant coursework in nutrition. It prepares them for future courses by providing an overview of the science and principles of human nutrition. Emphasis is placed on the physiological need for macro- and micronutrients and their ingestion, digestion, absorption, transport, metabolism, interaction, storage and excretion. These principles are applied to various populations and/or life stages including pregnancy, breastfeeding, infancy, childhood, adolescents, older adults, and athletes. Ways to achieve and maintain nutrient balance for these various populations and/or life stages are central parts of the course and are also examined in detail.

Offered at Online  
3 Semester Credits

**NUTR5020 Foundations of Nutrition II**

This course presents the next steps in preparing students who are entering the M.S. in Nutrition program without prior significant coursework in nutrition. It allows them to develop their knowledge and skills for future courses by providing an overview of the principles of nutrition and both acute and chronic clinical conditions. The critical role of food and nutrients and their effects on various disease states are discussed. Students explore a variety of issues that may impact the management of existing diseases as the interrelationships between nutrition-related diseases and current diet recommendations are explored. Focus is also placed on the measurement and techniques used to evaluate nutritional status.

Prerequisite(s): NUTR5010.

Offered at Online  
3 Semester Credits

**NUTR5100 Macronutrients in Human Nutrition**

This course provides an in-depth study of the functional roles of macronutrients in the human body. Concepts discussed include structural properties of carbohydrates, proteins and lipids, as well as digestion, absorption and metabolism. Functions in the human body, physiological requirements throughout the life span, and dietary sources are also examined in this course.

Offered at Online, Providence  
3 Semester Credits

**NUTR5200 Micronutrients in Human Nutrition**

This course provides an in-depth study of the functional roles of micronutrients in the human body. Those concepts include digestion, absorption and metabolism; functions in the regulation of biochemical systems and structures; and functions in the promotion of health and prevention of disease throughout the life cycle. Students also research health implications of varying amounts of micronutrients in the diet, interactions between micronutrients, and the role of supplementation.

Offered at Online, Providence  
3 Semester Credits

**NUTR5300 Nutrition for Health and Wellness**

This course provides an in-depth examination of the various aspects of health and wellness. Students explore current and relevant principles of health and wellness, with emphasis on the relationship between nutrition and health, and nutrition and disease. The culmination of this course includes an opportunity for students to create a comprehensive wellness program that focuses on nutrition education and nutrition-related disease prevention.

Offered at Online, Providence  
3 Semester Credits

**NUTR5400 Nutrition for Athletic Performance**

This course explores key biological and chemical principles that apply to the field of sports nutrition. Research, theories and best practices are critically examined through a comprehensive analysis of contemporary scientific findings and applied field issues. Students examine sports nutrition as it relates to established professional standards, sports nutrition care, and position statements from a variety of national and international professional organizations. Investigations focus on exercise physiology, body composition, training and conditioning, sport psychology, dietary supplementation, and information on banned substances from a variety of sports legislation agencies. This course challenges students to analyze their own personal fitness habits in relation to nutrient and energy balance factors in setting goals for improved personal outcomes and overall health.

Offered at Online  
3 Semester Credits

**NUTR5500 Nutritional Counseling and Education**

This course provides an in-depth study of the effective methods for providing nutrition counseling and education to individuals and small groups. Theories of behavior change and the application of those theories to healthcare issues is investigated in detail. Additional topics of discussion include current theories and techniques of counseling and nutrition education; preparing, conducting and analyzing group nutrition education; and the impact of cultural diversity on counseling and education practices.

Offered at Online, Providence  
3 Semester Credits

**NUTR6100 Advanced Clinical Nutrition**

This course provides an advanced examination of the relationship between nutrition and both acute and chronic clinical conditions. Concepts include the influence of nutrition on the prevention and treatment of diseases, as well as the effects of nutrition-related diseases on physiological functions in the body. The development and implementation of appropriate nutrition therapy for individuals are also examined.

Prerequisite(s): NUTR5100, NUTR5200.

Offered at Online, Providence  
3 Semester Credits

**NUTR6200 Grantsmanship and Publication**

This course provides a comprehensive study of the techniques for nutrition-focused professional writing. Concepts include steps used in grant proposal writing, preparation of scientific manuscripts for publication, and strategies for producing effective written communications for a variety of media outlets and audiences. Students complete a grant proposal and write various nutrition-related articles during this course.

Prerequisite(s): RSCH5700.

Offered at Online, Providence

3 Semester Credits

**NUTR6900 Nutrition Capstone**

This course provides students with the opportunity to apply their nutrition knowledge and skills through the completion of a nutrition-related capstone project. This project may take different forms, depending on student interest. Students work with the course instructor to choose a topic that is relevant to the nutrition field and can be completed in the time constraints of the course. Evidence from the coursework and science-based principles are integrated into the proposal, including relevant nutrition principles, research and best practices.

Prerequisite(s): NUTR6200, RSCH5700.

Offered at Online, Providence

3 Semester Credits

**OTD7015 Foundations of Occupational Therapy**

This course provides the conceptual foundation for occupational therapy practice and the study of human occupation. Students apply the concepts of occupation, activity analysis, and use of occupations in practice using the latest Occupational Therapy Practice Framework. The course also provides a historical and contemporary view of the domain of concern, process, ethical principles and philosophical base of the profession. Students explore the interaction of culture, professional roles and occupation including emphasis on the role of occupational balance in health, wellness and participation.

Prerequisite(s): Corequisite: OTD7030, OTD7170, OTD7190.

Offered at Providence

3 Semester Credits

**OTD7030 Human Occupations and Participation Across the Lifespan**

This course explores the spectrum of occupations that influence health and independence of individuals throughout the lifespan through observation, communication, analytical and reflective skills. This course stresses normal occupational development and participation. It looks at what occupation means and the role occupations play in participation in the daily lives of individuals. It involves exploration of the impact of culture, environment, context, gender and age upon occupation, occupational performance and participation.

Offered at Providence

2 Semester Credits

**OTD7060 Occupational Perspective on Health**

This course develops students' knowledge of population health and social determinants of health. It situates occupational therapy in global perspectives on health through the International Classification of Function (ICF) and explores the role of occupation in health. Students learn to analyze the epidemiological factors that contribute to public health and well-being of populations on a local and global scale. The course emphasizes health disparities and the effects of the sociopolitical climate on health. Additionally, students explore the role of occupation and participation in individual and population health. The course examines the significant role played by diversity of the human experience and various socioeconomic and cultural factors to expand students' abilities to meet the needs of individuals, groups and populations. It moves from the perspective of the community, to the country, to the world.

Prerequisite(s): OTD7210, OTD7260, OTD8320, ((OTD8235, OTD8280) or OTD8240).

Offered at Providence

3 Semester Credits

**OTD7070 Introduction to Fieldwork**

This course prepares students for fieldwork placements through a series of guided learning experiences. Students complete documentation and tasks required for Level I and II fieldwork experiences. This course also prepares students to reflect on their professional behaviors and to understand how fieldwork is an integral and unique portion of occupational therapy education.

Prerequisite(s): OTD7015, OTD7030, OTD7170, OTD7190.

Offered at Providence

1 Semester Credit

**OTD7110 Kinesiology**

This course begins the process of applying the theory of human kinetics to human movement. The course includes movement analysis, hands-on assessment and training of movement of muscles and muscle groups, assessment of posture and the impact on coordination and balance in assisting clients to move from surface to surface, proper body mechanics, ergonomics and an introduction to gait analysis. Labs provide an opportunity to use the information presented in class in a dynamic and interactive way.

Prerequisite(s): OTD7015, OTD7030, OTD7170, OTD7190.

Offered at Providence

4 Semester Credits

**OTD7130 Occupational Therapy Assessment and Theory Across the Life Span**

Students learn the role of theory in the development of assessments and how this theory can be utilized to frame selection of assessments and intervention techniques that follow. Occupational performance contexts found within the Occupational Therapy Practice Framework are utilized to emphasize the role of the occupational therapist in both standardized and non-standardized formats. Students learn the process of data collection, scoring, and interpretation of evaluation tools in order to develop appropriate treatment and discharge planning strategies across the life span. This course prepares the student to evaluate quality of tools and to understand how to select intervention tools within practice settings.

Prerequisite(s): OTD7015, OTD7030, OTD7170, OTD7190.

Offered at Providence

3 Semester Credits

**OTD7150 Application of Theory**

In this course, the learner chooses and shares knowledge of published, practice-specific occupational therapy theories and critiques the assumptions and outcomes, based on evidence based practice. Students compare and contrast theoretical perspectives and apply them to occupational therapy assessment and treatment planning for clients with a variety of occupational needs. The overarching theme of the course is the importance of the context of occupation in practice and educational settings, with a focus on promotion of health and well-being as well as on the prevention of disease and disability.

Offered at Online

3 Semester Credits

**OTD7160 Human Conditions I**

This course examines conditions of the musculoskeletal, connective tissue, endocrine, gastrointestinal, renal, auditory, visual and cardiopulmonary systems as they relate to people's ability to move within, sense and respond to their physical and social environments. Students examine the impact of these conditions on occupational performance and quality of life. Students learn the signs and symptoms of conditions, how they are managed medically, and how they can be prevented. They explore the scientific evidence regarding genetic, biologic, traumatic and social causes of the conditions.

Prerequisite(s): OTD7015, OTD7030, OTD7170, OTD7190.

Offered at Providence

3 Semester Credits

**OTD7170 Occupational Performance and Participation in Groups**

This course allows students to understand, analyze and apply dyadic, group and team dynamics and therapeutic group process skills. Students learn about the role of occupational therapy within groups, while building upon the concept of therapeutic use of self. Topics include communication skills, conflict resolution, group process, group leadership, choosing developmentally appropriate group activities, assessing the effectiveness of the group process, and using behavioral management strategies. Labs engage students in real-time group development and process experiences that build in knowledge and complexity throughout the semester.

Offered at Providence

3 Semester Credits

**OTD7190 Research I**

In this first of the OTD research courses, students acquire knowledge of the principles of research in healthcare and other settings. In this course, students learn to appreciate research in occupational therapy. They read and interpret research articles and locate and critically appraise peer-reviewed literature. Students evaluate research designs and threats to research validity as they begin to use evidence-based literature. Students complete training in the ethics of research with human participants.

Offered at Providence

3 Semester Credits

**OTD7210 Neuroscience**

This course presents students with the study of the structure and function of the central, peripheral and autonomic nervous system. Lab gives students opportunities to explore the anatomy of the head and neck, brain, spinal cord and peripheral nerves. Lectures and laboratory experiences integrate the physiological and neurological components of the course to provide students with an opportunity to use clinical reasoning to explain the relationship of the neurological structures and system to occupational performance.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

4 Semester Credits

**OTD7260 Human Conditions II**

This course is a continuation of Human Conditions I. It focuses on conditions in motor, sensory, cognitive, interpersonal, self-care, productivity, and leisure areas that may be the result of neurological, genetic, developmental, sensory dysfunction and mental health conditions. Students examine the impact of these conditions on occupational performance and participation. Students learn the signs and symptoms of conditions, how they are managed medically, and how they can be prevented. Students learn how these conditions contribute to disruption in occupational performance.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

3 Semester Credits

**OTD8140 Healthcare Systems and Policy**

In this course, students learn the various systems in which occupational therapists work and the payment, reimbursement and other policies that affect practice in different settings. Students gain knowledge and experience on how to address the needs of a variety of stakeholder groups, including regulators, payers and legislators. Students gain new knowledge about how they can affect and create policy and the mechanisms of change in health systems based on policy change.

Prerequisite(s): OTD7210, OTD7260, OTD8320, ((OTD8235, OTD8280) or OTD8240).

Offered at Providence

3 Semester Credits

**OTD8215 Introduction to Capstone I**

This is the first in a two-course sequence, preparing students for the doctoral capstone, which provides students in-depth learning focusing on clinical practice skills, research, administration, leadership, program development, policy development, advocacy or education. Students in this course develop their capstone topic through written and graphic models, including the theoretical framework used to address the problem/issue. This course includes the synthesis of the literature review and the development of a doctoral capstone plan for the capstone project and experience.

Prerequisite(s): OTD7060, OTD8140, OTD8345, OTD8380.

Offered at Providence

2 Semester Credits

**OTD8220 Research II**

This is the second course in the three-course sequence in research. In this course students build on what they have learned in Research I. They complete an annotated bibliography and begin completing a publication-ready systematic review on their research topic.

Prerequisite(s): OTD7015, OTD7030, OTD7170, OTD7190.

Offered at Providence

3 Semester Credits

**OTD8235 Occupational Therapy Practice I**

This course presents the occupational therapy process for people with mental illness or disorders in the psychosocial realm with an emphasis on evidence-based practice. Students apply theory to practice with people in various psychosocial practice settings. Students select and apply appropriate frames of reference for use with case studies that are presented via various media. Students learn safety skills specific to mental health settings and learn the importance of team approaches in this practice area. The lecture and lab and concurrent Level I fieldwork course allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

5 Semester Credits

**OTD8280 Level IA Fieldwork**

This course places the students in a setting that exposes them to a population with psychosocial needs for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in the development of clinical and professional behaviors expected of a practitioner. Simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

1 Semester Credit

**OTD8290 Professional Practice I**

This course prepares students for their level II fieldwork placements through a series of learning experiences required prior to level II fieldwork. This course incorporates mandatory training for fieldwork including CPR, fire and electrical safety, and HIPAA.

Prerequisite(s): OTD8120, OTD8140, OTD8160, Corequisite: OTD8210, OTD8220, OTD8240, OTD8250.

Offered at Providence

1 Semester Credit

**OTD8310 Leadership and Advocacy**

Students consider the role of the occupational therapist as a leader. Management and collaboration with others, including occupational therapy assistants, are emphasized with an overview of issues related to administration and leadership in varied settings and roles in which occupational therapists practice. Students use knowledge gained in this course to become active leaders and advocates of occupational therapy services in traditional and emerging practice areas. Research and evidence are intentionally integrated from other professions to highlight the similarity of concerns and approaches to management issues across disciplines.

Prerequisite(s): OTD7060, OTD8140, OTD8345, OTD8380.

Offered at Providence

3 Semester Credits

**OTD8320 Research III**

This is the third course in the three-course sequence in research. In this course students build on what they have learned in Research I and Research II. They complete a publication ready systematic review on their research topic, and prepare and present their systematic review at the conclusion of the course.

Prerequisite(s): OTD7070, OTD7110, OTD7130, OTD7160, OTD8220.

Offered at Providence

3 Semester Credits

**OTD8330 Theoretical and Clinical Reasoning in Context**

This course requires students to integrate knowledge gained from foundational, practice and research courses in order to design, plan and implement reflective intervention strategies for complex cases. Students develop an understanding of the nature of clinical and professional reasoning, the various types of reasoning, and how they may be used in practice. Theories behind assessment and intervention are revisited to challenge students' thought processes and prepare them for the complex practice environment, including the reality of billing and reimbursement systems. Case studies, videos and other real-life experiences are used to promote the reflective processes involved in clinical and professional reasoning.

Prerequisite(s): OTD8215, OTD8310, OTD8390, OTD8420, OTD8450, OTD8480.

Offered at Providence

3 Semester Credits

**OTD8345 Occupational Therapy Practice II**

This course presents the occupational therapy process for adults with primarily physical, cognitive and perceptual disorders with an emphasis on evidence-based practice. Students apply theory to practice with adults in various contexts. Students select and apply appropriate frames of reference to cases presented via various media. Students learn safety skills specific to physical disabilities settings and learn the importance of team approaches in this practice area. Students further refine skills related to safety, clinical reasoning, therapeutic use of self and intra- and interprofessional communication presented in the previous occupational therapy practice course. The lecture and lab and concurrent Level I fieldwork course allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7210, OTD7260, OTD8320, ((OTD8235, OTD8280) or OTD8240).

Offered at Providence

5 Semester Credits

**OTD8380 Level IB Fieldwork**

This course places the students in a setting that exposes them to an adult/rehabilitation population for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in development of clinical and professional behaviors expected of a practitioner. Simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7210, OTD7260, OTD8320, ((OTD8235, OTD8280) or OTD8240).

Offered at Providence

1 Semester Credit

**OTD8395 Program Development and Grant Writing**

Students learn skills required to develop occupational therapy programs to meet the needs of today and tomorrow's healthcare, education and community systems. They work with local agencies to assess real community needs and develop a program which includes a business plan, program evaluation plan and marketing ideas. The major project of this course is to develop a new, grant-funded, community-based/community-built program.

Prerequisite(s): OTD7060, OTD8140, OTD8345, OTD8380.

Offered at Providence

2 Semester Credits

**OTD8420 Technology and Innovation in Occupational Therapy**

Through lecture and lab, this course provides instruction on the use of technology and its applications to support the inclusive and meaningful participation of individuals with disabilities in all settings. Students apply concepts of assistive technology to design devices and utilize services that provide alternatives for physical and sensory access, communication and learning. Students identify strategies to utilize assistive technology and modify tasks or the environment through the application of universal design principles. Students identify barriers and potential solutions based on various case studies and real-life examples.

Prerequisite(s): OTD7060, OTD8140, OTD8345, OTD8380.

Offered at Providence

2 Semester Credits

**OTD8455 Occupational Therapy Practice III**

This course presents the occupational therapy process for older adults emphasizing evidence-based practice for individuals, groups and populations. Students apply theory to practice with older adults in various contexts. Students select and apply appropriate models of practice and frames of reference, especially those related to wellness and health promotion to cases presented via various media. Students examine wellness, health promotion, community-based practice, and multiple chronic conditions, and apply these principles to aging populations and individuals. Students refine skills related to safety, clinical reasoning, therapeutic use of self, and intra- and interprofessional communication presented in the previous occupational therapy practice courses. The lecture, lab and concurrent Level I fieldwork experience allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7060, OTD8140, OTD8345, OTD8380.

Offered at Providence

5 Semester Credits

**OTD8480 Level IC Fieldwork**

This course places the students in a setting that exposes them to an older adult/community population for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in development of clinical and professional behaviors expected of a practitioner. Simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD7060, OTD8140, OTD8345, OTD8380.

Offered at Providence

1 Semester Credit

**OTD8520 Introduction to Capstone II**

This course is designed to continue to support the students' doctoral capstone project by developing and creating their specific project before implementation. In this course, students build on their work in Introduction to Capstone I to finalize plans for the doctoral capstone, which provides students with in-depth learning focusing on clinical practice skills, research, administration, leadership, program development, policy development, advocacy and/or education. Students apply information from the literature and evidence-based methods to guide the design of their capstone project including the identification of methods and outcome measures. Students develop a thorough and detailed description of the proposed capstone project and a plan for implementation by working collaboratively with their mentor(s). They present their plans and defend their decisions to their capstone faculty mentor while incorporating feedback into their final written plans.

Prerequisite(s): OTD8215, OTD8310, OTD8395, OTD8420, OTD8455, OTD8480.

Offered at Providence

3 Semester Credits

**OTD8540 Contemporary Concepts in Occupational Therapy**

In this course, students examine the influence and relevance of contemporary concepts and issues associated with traditional and emerging practice areas. Students apply this knowledge to broaden their understanding and perspective of occupational therapy in the 21st century given the socio-political climate and the importance of promoting occupational therapy. Students learn how the requirements for the National Board for Certification in Occupational Therapy (NBCOT) and state licensure influence entering the profession and ongoing practice. Students complete an interprofessional experience, needs assessment and presentation on an opportunity for expanding occupational therapy practice.

Prerequisite(s): OTD8215, OTD8310, OTD8395, OTD8420, OTD8455, OTD8480.

Offered at Providence

2 Semester Credits

**OTD8560 Teaching and Learning in Occupational Therapy**

This course teaches students about the art and science of teaching and learning in occupational therapy. Students learn educational taxonomies and the application of these to health literacy education, education of consumers and families, education of other professionals, and education of students in a clinical setting and in a classroom. The course includes processes of instructional design, approach to adult education, establishment of client education programs, educating groups and becoming a fieldwork educator and clinical supervisor.

Prerequisite(s): OTD8215, OTD8310, OTD8395, OTD8420, OTD8455, OTD8480.

Offered at Providence

2 Semester Credits

**OTD8660 Occupational Therapy Practice IV**

This course presents the occupational therapy process for pediatrics. Students utilize evidence and apply theory to practice with children in various contexts. Students develop skills in family education, team approach, and intra- and interprofessional interactions. Students further refine skills related to safety, clinical reasoning and therapeutic use of self presented in the previous occupational therapy practice courses. The lecture, lab and concurrent Level I fieldwork course allow students to practice skills and documentation from evaluation to discharge planning.

Prerequisite(s): OTD8215, OTD8310, OTD8395, OTD8420, OTD8455, OTD8480.

Offered at Providence

5 Semester Credits

**OTD8720 Level ID Fieldwork**

This course places the students in a setting that exposes them to the pediatric population for 30 hours. Additionally, there are 15 hours of instructor-led simulation activities to assist in development of clinical and professional behaviors expected of a practitioner. Simulation and fieldwork allow students to practice skills and documentation from evaluation to discharge planning. Prerequisite(s): OTD8215, OTD8310, OTD8395, OTD8420, OTD8455, OTD8480. Offered at Providence  
1 Semester Credit

**OTD9810 Level IIA Fieldwork**

Level II Fieldwork is a 12-week, full-time placement in a setting that allows for experiential learning under the direction of a licensed occupational therapist. Students develop entry-level competence by working directly with clients who receive occupational therapy. The student contributes in the evaluation process, planning and implementing treatment programs, communicating effectively, and developing professional relationships. Students work under the supervision of an OTR who meets criteria as a fieldwork educator as defined by the Accreditation Council for Occupational Therapy (ACOTE). The academic fieldwork coordinator selects the practice environments in collaboration with community partners and students. While Level IIA and Level IIB Fieldwork experiences are sequential, they both offer students entry-level exposure to a different area of occupational therapy practice. Opportunities to engage in research or an emerging practice environment may be offered for either of the Level II Fieldwork courses. Prerequisite(s): OTD8330, OTD8520, OTD8540, OTD8560, OTD8660, OTD8720. Offered at Providence  
9 Semester Credits

**OTD9860 Level IIB Fieldwork**

Level II Fieldwork is a 12-week, full-time placement in a setting that allows for experiential learning under the direction of a licensed occupational therapist. Students develop entry-level competence by working directly with clients who receive occupational therapy. The student contributes to the evaluation process, planning and implementing treatment programs, communicating effectively, and developing professional relationships. Students work under the supervision of an OTR who meets criteria as a fieldwork educator as defined by the Accreditation Council for Occupational Therapy (ACOTE). The academic fieldwork coordinator selects the practice environments in collaboration with community partners and students. While Level IIA and Level IIB Fieldwork experiences are sequential, they both offer students entry-level exposure to a different area of occupational therapy practice. Opportunities to engage in research or an emerging practice environment may be offered for either of the Level II Fieldwork courses. Prerequisite(s): OTD9810. Offered at Providence  
9 Semester Credits

**OTD9910 Doctoral Capstone Project**

In this course, students apply advanced knowledge to practice by integrating the doctoral capstone experiential learning and activities into a culminating doctoral capstone project. The capstone project demonstrates a synthesis of new, advanced knowledge learned in the program, the transformation of students' views of the world of occupational therapy, and how it fits within the broader world and the expected outcomes of the program, in order to develop advanced skills beyond a generalist level. Students present their doctoral capstone projects at a JWU OTD research forum. Prerequisite(s): OTD9860, Corequisite: OTD9920. Offered at Providence  
3 Semester Credits

**OTD9920 Doctoral Capstone Experience**

Students participate in a pre-approved 14-week, full-time doctoral capstone experience, which focuses on clinical practice skills, research skills, administration, leadership, program and policy development, advocacy, education, or theory development. Prerequisite(s): OTD9860, Corequisite: OTD9910. Offered at Providence  
10 Semester Credits

**PAD5200 Public Administration and Governance**

This graduate-level course provides a general overview and introduces key concepts related to the field of public administration. It assumes no prior knowledge of the subject matter and addresses relevant topics from the standpoint of institutional framework while emphasizing practicality and real-world application of material. The course prepares students for more subject-specific courses and promotes further study and inquiry within the discipline. Offered at Online  
3 Semester Credits

**PAD6200 Public Personnel Administration**

This graduate-level course provides an overview of human resources/personnel practices that are necessary for the effective and efficient operations of public sector organizations. The course addresses and discusses the unique attributes of public personnel systems as well as concepts related to personnel recruitment, evaluation and compensation. Diversity concerns and labor relations are also discussed at length. The course is suitable for public administration generalists as well as those interested in pursuing further coursework and training in personnel management. Offered at Online  
3 Semester Credits

**PAD6400 Public Policy Analysis**

This course focuses on the analysis of important microeconomic principles and the application of those principles to public policy development and analysis processes. Throughout the course, students discuss various applied economic models and formulas to better understand considerations and processes that are vital in assessing the viability of policy suggestions and alternatives. Students also work through problem sets in linking general economic concepts with public sector utilization. Offered at Online  
3 Semester Credits

**PAD6710 Counterterrorism**

This course assesses the history, evolution, strategies, techniques/tools, and contemporary issues related to counterterrorism in the world today. It examines both U.S. counterterrorism methods as well as the various contexts in which those methods are identified and employed. In addition, the course critiques the ethical considerations of current counterterrorism methods. Students gain a comprehensive knowledge of the historical implications of, and methodology behind, contemporary terrorist threats and appropriate counterterrorism responses. With this information, students prepare a counterterrorism strategy to mitigate a current terrorist threat to U.S. interests. Offered at Online  
3 Semester Credits

**PAD6730 Emergency Management and Planning**

This course offers a comprehensive overview of the knowledge, skills and abilities required for the preparation, mitigation and response to natural/manmade disasters and terrorism in the U.S. It provides detailed instruction on incident management and addresses direction, control and communication challenges between agencies and across all levels of government. Students develop a thorough understanding of emergency management and planning, apply that knowledge to critique an existing Comprehensive Emergency Management Plan (CEMP) and recommend amendments to improve that plan. Offered at Online  
3 Semester Credits

**PAD6750 Homeland Security**

This course examines homeland security and its influence on domestic policy. It surveys the principal actors engaged in the homeland security enterprise and describes the evolution of institutions, networks and inter-agency relationships that have emerged to accomplish homeland security missions and functions. Students develop a comprehensive understanding of the complete homeland security initiative and apply that knowledge in a proposal for an inter-agency response to a terrorist or natural disaster. Offered at Online  
3 Semester Credits

**PAS5110 Applied Anatomy**

This lecture and laboratory course covers the anatomy most relevant to clinical practice as a physician assistant through the use of prosection and dissection of human cadavers. The course proceeds through each of the body organ systems with presentations emphasizing normal and clinically relevant gross, regional and surface anatomy to include the musculoskeletal, neurologic, cardiovascular, respiratory, endocrine, gastrointestinal, renal and reproductive systems. This course complements, enhances and assists the student with integration of this information into the physical examination skills taught in the Patient Care I course. As part of this course, clinical correlations introduce the student to principles of radiologic imaging and laboratory studies to further recognize and evaluate normal anatomy, conditions and pathology. Applied Anatomy also serves to provide a foundation for the practical application of anatomical knowledge needed for the study and understanding of diseases which are taught in the Clinical Medicine courses and ultimately clinical practice.

Offered at Providence

4 Semester Credits

**PAS5200 Foundations of Medicine**

This lecture-based course provides the foundation of the basic scientific concepts and principles needed for the study and treatment of diseases. It consists of five modules: Microbiology, Immunology, Genetics, Cell Physiology and Introduction to Pharmacology. The five modules of the course provide the molecular and cellular basis of diseases which is vital for understanding the mechanisms of disease pathogenesis. The cell physiology module presents the physiological fundamentals and processes at the human cellular and tissue level necessary for understanding disease processes and drug metabolism. The genetics module presents the basic concepts and principles of genetics, the basic architecture of the genome, mechanisms of disease related to genetic changes, and gene therapy, to build upon the role of genetics in disease risk, development and prevention. The microbiology and immunology modules introduce and explore the roles of bacteria, viruses and other infectious-disease-causing microorganisms in humans. The module covers useful diagnostic laboratory procedures and emphasizes the clinical significance of pathogenicity and therapy. The Introduction to Pharmacology module presents the basic scientific principles of pharmacology, pharmacokinetics, pharmacodynamics and biotransformation needed to understand the therapeutic uses and effects of drugs. The module provides an introduction of how to apply these principles to classes of drugs using prototype and common examples in each class.

Offered at Providence

4 Semester Credits

**PAS5325 Patient Care I**

Patient Care I is a lecture- and laboratory-based course designed to teach the principles and techniques for obtaining, performing and documenting a comprehensive medical history and complete physical examination. Lectures focus on history taking skills including communication and interviewing skills and humanistic principles. The normal physiologic findings for each system of the body in addition to initial introduction to abnormal findings indicative of disease states are also presented. The laboratory sessions focus on developing, practicing and meeting a defined level of skill needed to competently perform both the medical interview and a complete head to toe physical examination. Instructional techniques include lecture, small and large group dynamics, practical experience and critiques of interviewing, communication and physical examination skills by peers and faculty.

Offered at Providence

4 Semester Credits

**PAS5345 Professional and Health Policy Issues I**

Professional and Health Policy Issues (I-III) is a course which spans all three (3) first-year semesters. It is a lecture and small group course which focuses on practical principles related to medical ethics and professionalism, cultural awareness and bias, healthcare delivery and policy issues, behavior change principles, the opioid epidemic and public health as they relate to the role and responsibilities of a physician assistant. Professional and Health Policy Issues I (PHP I) begins with an exploration of the program's emphasis on humanism in medicine. It introduces the student to principles related to medical ethics and includes the AAPA Guidelines for Ethical Conduct for the Physician Assistant Profession. It includes instruction and discussion related to the laws and regulations regarding professional practice. Students explore and evaluate their own and others' cultural beliefs and values regarding health and illness, in order to understand the wide range of cultural differences and to navigate those differences comfortably for the best care of and relationship with the patient and significant others. As future providers within the U.S. healthcare system, students receive an overview of healthcare delivery systems. This course also includes the history and development of the physician assistant profession, its institutions, and current trends regarding legislation and regulations affecting PA practice. Finally, PHP I includes an introduction to the principles and practice of public health.

Offered at Providence

2 Semester Credits

**PAS5425 Patient Care II**

This lecture, lab, and small group course is designed to provide the student with opportunities to use their previous and ongoing fund of knowledge and skills and apply those to case-based patient scenarios. It is designed to teach and foster sound clinical decision-making using evidence-based practices. The focus of this interactive course experience is the medical history, physical examination, clinical reasoning, laboratory evaluation, diagnosis, patient education and counseling for common problems encountered in primary care practice. In addition, the course stresses practice and implementation of humanistic techniques and approaches. The topics presented correlate with the disease states covered in the semester clinical medicine series.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5456 Professional and Health Policy Issues II**

Professional and Health Policy Issues (I-III) is a course sequence which spans all three (3) first-year semesters. These are lecture and small group courses which focus on practical principles related to medical ethics and professionalism, healthcare delivery and policy issues, and public health as they relate to the role and responsibilities of a physician assistant. In addition, this course sequence addresses the theoretical basis of behavior change, and the principles and application of inter-professional practice. Physician assistants are faced with a wide range of challenging decisions regarding what is professionally appropriate, ethical and legal, and supported by high-quality evidence in the day-to-day interactions with their patients, their supervising physicians, other health care providers, insurance companies, and the healthcare system. This course provides instruction, guidance and practice in navigating and negotiating these interactions.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1.5 Semester Credits

**PAS5470 Introduction to Evidence-Based Practice**

The course provides an introduction to evidence-based practice and an in-depth review of research methods utilized in clinical medicine. Emphasis is placed on clinical questions typically encountered in PA practice and the tools available to answer them. The topics presented in the course provide the students with a basis for searching and interpreting the medical literature. Students explore the application of research in clinical practice guidelines related to topics in the clinical medicine course series.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5480 Food is Medicine I**

This course is the first of a two-semester series exploring the role that diet has on health and wellness and providing graduate students with a framework to provide patients during future clinical practice. Students explore trends in diet utilized in treatment and in health promotion and disease prevention of common disease including cardiovascular disease, diabetes, gastrointestinal disease, cancer and obesity. This course takes an interdisciplinary and collaborative approach to bridge knowledge-deficiencies that exist in traditional healthcare. Lecture and laboratory sessions are designed to improve understanding of how nutrition may impact health and wellness in the patients of the future healthcare providers while providing insight into the barriers to following a particular diet plan. The final project for the course sequence is to develop a customized menu to address health requirements of a disease presented in the class.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5515 Clinical Hematology**

This system-based lecture course teaches PA students fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the hematology system. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course coordinates with the Patient Care course series to refine history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5525 Clinical EENT**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in eyes, ears, nose and throat systems. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

2 Semester Credits

**PAS5540 Clinical Pulmonology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the pulmonary system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5565 Clinical Dermatology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the integumentary system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5575 Clinical Behavioral Medicine**

This system-based lecture course teaches the students fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the behavioral medicine system across the life span. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course coordinates with the Patient Care course series to refine history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5580 Clinical Cardiology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the cardiovascular system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care II course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

4 Semester Credits

**PAS5736 Patient Care III**

This lecture and small group course is designed to provide students with opportunities to use their previous and ongoing fund of knowledge and skills and apply those to case-based patient scenarios. It is designed to teach and foster sound clinical decision-making using evidence-based practice. The focus of this interactive course experience is the medical history, physical examination, clinical reasoning, laboratory evaluation, diagnosis, and patient education and counseling for common problems encountered in primary care practice. In addition, the course stresses practice and implementation of humanistic techniques and approaches. The cases presented follow those disease states covered in the concurrent Clinical Medicine courses.

Prerequisite(s): PAS5325, PAS5425.

Offered at Providence

3 Semester Credits

**PAS5767 Professional and Health Policy Issues III**

Professional and Health Policy Issues (I–III) is a course sequence which spans all three (3) first-year semesters. These are lecture and small group courses which focus on practical principles related to medical ethics and professionalism, healthcare delivery and policy issues, and public health as they relate to the role and responsibilities of a physician assistant. In addition, this course sequence addresses the theoretical basis of behavior change, and the principles and application of inter-professional practice. Professional and Health Policy Issues III continues with topics such as the theory and practice of behavior change, integrative medicine, medical ethics, professional practice, health policy issues, and death and dying.

Prerequisite(s): PAS5345, PAS5456.

Offered at Providence

1.5 Semester Credits

**PAS5782 Food is Medicine II**

This course is the second of a two-semester series exploring the role that diet has on health and wellness and providing graduate students with a framework to provide patients during future clinical practice. Students explore trends in diet utilized in treatment and in health promotion and disease prevention of common disease including cardiovascular disease, diabetes, gastrointestinal disease, cancer and obesity. This course takes an interdisciplinary and collaborative approach to bridge knowledge-deficiencies that exist in traditional healthcare. Lecture and laboratory sessions are designed to improve understanding of how nutrition may impact health and wellness in the patients of the future healthcare providers while providing insight into the barriers to following a particular diet plan. The final project for the course sequence is to develop a customized menu to address health requirements of a disease presented in the class.

Prerequisite(s): PAS5345, PAS5456, PAS5480.

Offered at Providence

1 Semester Credit

**PAS5810 Clinical Nephrology and Urology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in renal and urinary systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5825 Clinical Orthopedics and Rheumatology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in orthopedic and rheumatic systems across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5830 Clinical Gastroenterology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in gastroenterology across the life span. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care course series to refine history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

2 Semester Credits



**PAS5845 Clinical Neurology**

This system-based lecture course teaches the students fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the neurological system. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course coordinates with the Patient Care course series to refine history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

2 Semester Credits

**PAS5860 Clinical Endocrinology**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in endocrine system across the lifespan. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

2 Semester Credits

**PAS5870 Clinical Infectious Disease**

This system-based lecture course teaches PA students fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in the infectious disease system. The course builds upon the knowledge attained in previous clinical medicine courses and applies it to the recognition, evaluation, treatment and management of infectious disease. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course coordinates with the Patient Care course series to refine history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5880 Clinical Gynecology and Obstetrics**

This system-based lecture course is designed to teach the student fundamental principles in epidemiology, physiology, pathophysiology, clinical presentation, diagnostic testing, and treatment of disease states and conditions commonly encountered in gynecology and obstetrics. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the lifespan. Lectures present the most common clinical conditions (acute, emergent and chronic) seen by primary care providers. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

3 Semester Credits

**PAS5891 Clinical Pediatrics**

This life-span special population lecture course teaches PA students the development, clinical medicine, pathophysiology, and diagnostic testing in the pediatric population. The course builds upon the knowledge attained in previous clinical medicine courses and applies it to the recognition, evaluation, treatment and management, including referral of common clinical conditions and diseases seen in the pediatric population. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented is included. This course coordinates with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions seen in the pediatric population. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

2 Semester Credits

**PAS5910 Emergency Medicine**

This case-based course is designed to build upon the knowledge attained in the clinical medicine course series and apply it to the recognition, evaluation, treatment and management of common clinical conditions presenting in emergency medicine. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. Additionally, the course serves as a transition to the clinical year to provide students with the needed skills to effectively navigate their learning in the clinical setting. This course is coordinated with the Patient Care III course refining the approach to the patient presenting to emergency medicine. Together, these evidence-based courses encompass initial presentation through disposition with a humanistic approach to a patient-centered medical model throughout the lifespan. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5425, PAS5510, PAS5525, PAS5540, PAS5565, PAS5580, PAS5590.

Offered at Providence

2 Semester Credits

**PAS5930 Problem-Based Learning**

Problem-Based Learning (PBL) uses clinical cases to stimulate critical thinking, knowledge application and integration related to diseases covered in the clinical medicine course series. Through this active, collaborative, case-based learning process, students acquire a deeper understanding of the principles of medicine by exploring all aspects of critical thinking in patient care from presentation through treatment. Students enhance the understanding of evidence-based medicine and further acquire the skills necessary for lifelong learning.

Prerequisite(s): PAS5325, PAS5425, PAS5470.

Offered at Providence

2.5 Semester Credits

**PAS5950 Clinical Geriatrics**

This life-span special population lecture course teaches PA students the clinical medicine, preventative medicine, alterations in physiology, common pathophysiology, and diagnostic testing in the geriatric population. The course builds upon the knowledge attained in previous clinical medicine courses and applies it to the recognition, evaluation, treatment and management, including referral of common clinical conditions and diseases seen in the geriatric population. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented is included. This course coordinates with the Patient Care III course refining history taking and physical examination skills related to problem-specific encounters. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient-centered medical model throughout the life span. Lectures present the most common clinical conditions unique to the geriatric population. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS5960 Surgical Principles**

This system-based lecture course is designed to teach the student fundamental general surgery principles. The course builds upon the knowledge attained in previous clinical medicine courses and applies it to the recognition, evaluation, treatment and management of patients requiring surgery. Appropriate ordering and interpretation of diagnostic tests and pharmacological treatment as related to the disease states presented are included. This course is coordinated with the Patient Care III course refining history taking and physical examination skills related to surgical patients. Together, these evidence-based courses encompass initial presentation through follow-up care with a humanistic approach to a patient centered medical model throughout the life span. In addition, the course incorporates patient education, health promotion and disease prevention, and provides opportunities for the student to develop and refine critical thinking skills in preparation for clinical practice.

Prerequisite(s): PAS5110, PAS5200, PAS5325, PAS5345.

Offered at Providence

1 Semester Credit

**PAS6200 Family Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in family medicine. Students gain experience in the evaluation, treatment and management (including referral) of common diseases and conditions encountered in an outpatient family medicine setting emphasizing infant, child, adolescent, adult and geriatric patients. Students actively engage in applying medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common problems encountered in ambulatory family medicine settings to include infant, child, adolescent, adult and geriatric patients. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of their patients. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6250 Internal Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in internal medicine. Students gain experience in the prevention, diagnosis and treatment of adult and geriatric patients in either the ambulatory/outpatient or hospital/inpatient settings. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of acute, chronic and emergent problems commonly encountered in the internal medicine outpatient and inpatient settings. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of patients. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6300 Pediatric Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in a pediatric care setting. Students actively engage in applying medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common medical problems and issues encountered in pediatric medicine. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of pediatric patients. Students gain knowledge and experience in the efficient and effective evaluation, treatment and management (including referral) of common acute and chronic diseases and conditions encountered in the pediatric population to include infants, toddlers, children and adolescent patients as well as the assessment and evaluation of the well child and growth and development milestones across these age groups. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6350 Women's Health Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in women's health. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common medical problems and issues encountered in women's health. A collaborative patient-centered, humanistic approach as well as health promotion, disease prevention, patient education and counseling are incorporated in student encounters with patients. Students gain knowledge, experience and clinical skills needed to effectively recognize, manage and treat common acute, urgent, emergent and chronic diseases and conditions encountered in gynecology, obstetrics and prenatal care. Students also focus on routine women's and prenatal healthcare maintenance and the changing health needs of women throughout their life span. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6400 Emergency Medicine Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in the emergency department setting. Students actively engage in applying medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of acute, urgent and emergent problems commonly encountered in emergency medicine. Students gain knowledge and experience in the rapid and methodical assessment, evaluation, stabilization and treatment of acutely ill, traumatic, urgent, life-threatening and/or emergent pediatric, adult and geriatric patient presentations and work as a member of the emergency department team. Students work under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6450 Behavioral and Mental Health Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the role of the physician assistant in the behavioral/mental health setting. Students gain knowledge and experience toward the refinement of skills needed for the unique medical, physiological, behavioral and psychosocial components and issues common to the practice of psychiatry, behavioral and mental health. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of common problems in patients with psychiatric, emotional and behavioral disturbances. Students work under the supervision of a program-determined licensed healthcare professional or the professional's designee(s) and adapt the standard medical history, physical examination, diagnostic and treatment plans to the psychiatric patient. Students also work to incorporate a collaborative patient-centered, humanistic approach to the care of patients.

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6500 Surgery Clinical Course**

This five-week required clinical rotation for second-year PA students focuses on the evaluation, treatment and management of common emergent, urgent, acute and chronic surgical diseases and conditions encountered in adult and geriatric patients to include pre-operative, intra-operative and post-operative care and management. Students actively engage in applying the medical knowledge and clinical skills gained during the didactic year, along with continuing to develop clinical reasoning through evidence-based approaches to the evaluation and management of problems encountered in the inpatient surgical setting. In addition, students work to expand their knowledge of surgical care as well as their surgical skills through active participation and engagement as part of the surgical team both within the hospital and operating suite settings. Students work under the supervision of a physician preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6600 Clinical Elective Course I**

Students are granted the opportunity to complete two five-week elective rotations designed to facilitate their ability to evaluate health-related problems encountered in an area of medical interest. It can include the choice to obtain additional experience in one or two of the core rotation disciplines or other medical specialties. Students actively engage in applying basic medical knowledge, demonstrating and continuing development of their clinical reasoning and communication skills to the evaluation, treatment and management of common diseases and conditions encountered within the discipline or medical specialty chosen. The experience enhances students' understanding of the role of a physician assistant within their chosen elective as well as to the unique care needs of the patient population within this medical setting. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6700 Clinical Elective Course II**

Students are granted the opportunity to complete two five-week elective rotations designed to facilitate their ability to evaluate health-related problems encountered in an area of medical interest. It can include the choice to obtain additional experience in one or two of the core rotation disciplines or other medical specialties. Students actively engage in applying basic medical knowledge, demonstrating and continuing development of their clinical reasoning and communication skills to the evaluation, treatment and management of common diseases and conditions encountered within the discipline or medical specialty chosen. The experience enhances students' understanding of the role of a physician assistant within the chosen elective as well as to the unique care needs of the patient population within this medical setting. Supervised clinical practice experiences occur under the supervision of a program-determined preceptor or the preceptor's designee(s).

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

4.5 Semester Credits

**PAS6800 Master's Course**

This course synthesizes learning from didactic coursework and supervised clinical practice experiences. Students participate in learning sessions that pertain to clinical medicine, patient care, and the transition to professional PA practice. Students also complete accreditation requirements for graduation, including a summative written examination, an Objective Structured Clinical Examination (OSCE), and an evidence-based medicine capstone project using research techniques.

Prerequisite(s): Completion of all Year 1: Didactic Year Courses.

Offered at Providence

1 Semester Credit

**PHIL3015 History of Philosophy**

This course is a survey of the development of Western philosophic thought. A clear sense is gained of the relative richness and poverty of philosophic interpretation of different periods. The thinking and works of outstanding philosophers of each period are considered, and the major schools of philosophic thought and their adherents are reviewed. Some of the major problems of philosophy are examined: appearance versus reality, determinism versus free will, knowledge and existence, body-mind relations, truth and error, good and evil, space and time, reality and what we can know.

Prerequisite(s): ENG1021 or ENG1027.

Offered at Online, Providence

3 Semester Credits

**PHIL3020 Crisis and Controversy: A Critical Thinking Approach**

This course encourages students to use critical thinking skills in order to make decisions, solve problems, develop new ideas, evaluate arguments and tolerate ambiguity while exploring complex social questions. Emphasis is on understanding the elements of reasoning, imposing criteria and intellectual standards upon reasoning, and assessing individual thinking processes. Students hone critical thinking skills by actively engaging in the study of social conflicts and controversies that operate at individual, communal and global levels.

Prerequisite(s): ENG1020 or ENG1024 or English placement.

Offered at Providence

3 Semester Credits

**PHIL3045 Honors Seminar: Ethics**

This Honors Seminar examines central figures in the history of moral philosophy, such as Aristotle, Hobbes, Hume, Mill and Kant. While the primary focus will be on understanding these influential thinkers in their historical contexts and their distinctive approaches to ethics, we will also seek to show the relevance of their views to timeless questions. What is the best way to live? How do we distinguish good from evil? Should we be moral? We will discuss these thinkers' answers to these questions, and apply those answers to contemporary moral discourse, including public policy, environmental issues and business ethics.

Prerequisite(s): ENG1024 or English placement, honors or SHARP status.

Offered at Charlotte, Providence

3 Semester Credits

**PHIL3240 Ethics: A Global Perspective**

This course examines the basic principles of ethics and their philosophical foundations particularly as they apply to contemporary global issues. Students explore such important topics as business, labor conditions, war and refugee crises, gender and gender orientation inequality, environmental damage, and famine, poverty and the unequal distribution of wealth. Through the examination of philosophical texts and case studies, including case studies drawn from business organizations, students learn to identify ethical issues of global significance, analyze the causes of these problems, and propose practical, ethical solutions to these problems.  
Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**PHIL3400 Death & Dying**

This course explores the subjects of death and dying. It examines the meaning given to death, rituals associated with death and concepts of the afterlife in a variety of Western and non-Western cultures and religions. It explores the role that death plays in human life, examines the grieving process and considers ethical issues associated with death, such as the artificial prolongation of life.  
Prerequisite(s): ENG1021 or ENG1027.  
Offered at Providence  
3 Semester Credits

**PHY1011 General Physics I**

This course is the first in a two-part introductory physics course sequence using algebra-based approaches to analyze physical phenomena. Students are introduced to vector algebra and the basic principles of classical mechanics, applying the concepts of work, energy, linear momentum and angular momentum to physical phenomena. This course must be taken concurrently with General Physics I Laboratory.  
Prerequisite(s): MATH1020 or math placement, Corequisite: PHY1016.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**PHY1016 General Physics I Laboratory**

This is an introductory algebra- and inquiry-based physics laboratory course coordinated with PHY1011 General Physics I. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, vector algebra, kinematics, conservation of energy, momentum and rotational motion.  
Prerequisite(s): MATH1020 or math placement, Corequisite: PHY1011.  
Offered at Charlotte, Online, Providence  
1 Semester Credit

**PHY1022 General Physics II**

This course is the second in a two-part introductory physics course sequence using algebra-based mathematical approaches to analyze physical phenomena. Students are introduced to heat, wave propagation, wave energy, reflection, refraction, electricity, magnetism, circuits and semiconductors. This course must be taken concurrently with General Physics II Laboratory.  
Prerequisite(s): MATH1020, PHY1011, PHY1016, Corequisite: PHY1026.  
Offered at Charlotte, Providence  
3 Semester Credits

**PHY1026 General Physics II Laboratory**

This course is an introductory algebra- and inquiry-based physics laboratory coordinated with PHY1022 General Physics II. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, heat transfer, electric and magnetic fields, circuits, digital instruments and optics.  
Prerequisite(s): MATH1020, PHY1011, PHY1016, Corequisite: PHY1022.  
Offered at Charlotte, Providence  
1 Semester Credit

**PHY2011 Physics I**

PHY2011 is the first of a two-part introductory physics course sequence using calculus-based approaches to analyze physical phenomena. It introduces students to vectors and the basic principles of classical mechanics, applying the concepts of work, energy, linear momentum and angular momentum to physical phenomena. This course must be taken concurrently with Physics I Laboratory.  
Prerequisite(s): MATH1040 (or concurrent), Corequisite: PHY2016.  
Offered at Providence  
3 Semester Credits

**PHY2016 Physics I Laboratory**

PHY2016 is an introductory calculus-based physics laboratory class that meets three hours per week. It is an inquiry-based laboratory course coordinated with PHY2011 Physics I. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, vector algebra, kinematics, conservation of energy, momentum and rotational motion.  
Prerequisite(s): MATH1040 (or concurrent), Corequisite: PHY2011.  
Offered at Providence  
1 Semester Credit

**PHY2022 Physics II**

PHY2022 is the second of a two-part introductory physics course sequence using calculus-based mathematical approaches to analyze physics phenomena. It introduces students to heat, wave propagation, wave energy, reflection, refraction, electricity, magnetism, circuits and semiconductors. This course must be taken concurrently with Physics II Laboratory.  
Prerequisite(s): MATH1040, ((PHY1011, PHY1016) or (PHY2011, PHY2016)), Corequisite: PHY2026.  
Offered at Providence  
3 Semester Credits

**PHY2026 Physics II Laboratory**

PHY2026 is an introductory calculus-based physics laboratory class that meets three hours per week. It is an inquiry-based laboratory course coordinated with PHY2022 Physics II. Small teams of students work together to solve practical Newtonian physics problems by conducting a sequence of observations and tests. Students are responsible for developing their own experiments and task assignments as they work within collaborative team structures, using the collected data to construct original models of physical phenomena. Students practice skills employed by professional engineers and scientists. The laboratory exercises reinforce theories discussed in class, including error analysis, heat transfer, electric and magnetic fields, circuits, digital instruments and optics.  
Prerequisite(s): MATH1040, ((PHY1011, PHY1016) or (PHY2011, PHY2016)), Corequisite: PHY2022.  
Offered at Providence  
1 Semester Credit

### **PRMG2010 Introduction to Project Management & Project Membership**

This course introduces students to the role and purpose of project management in today's workplace. The course is designed with an introductory perspective: focusing on what project management is all about, why it is important, what benefits and help it provides, and why it is a necessary part of today's career skillset. Key concepts and practices are explained from the 'non-project manager' perspective, providing answers and solutions to everyday questions and challenges in the field. Topics include: 1) the roles of the project manager, project member, subject matter expert and stakeholders – explained; 2) project, program and product implementation differentiators; 3) project requirements definition and the benefits of understanding project scope; 4) risk and risk management concepts; 5) understanding how project plans affect individual contributors — the notion of 'team'; 6) tasks, task reporting and testing; 7) quality and the project development life cycle; and 8) tracking a task and the cost, scope, time triad. Along with basic project management skills, students also learn about the role of communications, teamwork and people skills needed to successfully participate as a contributor in today's team-oriented workplace. Through topic lectures, class discussions and exercises, and relevant case studies, students explore the long and varied history and development of project management, how it has evolved over time into a recognized profession, and how project management can be utilized in practical, helpful and interesting ways.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PRMG3010 Intermediate Project Management Skills**

This course is designed for students who look to further their interests and understanding of project management. This course is focused on students learning the core skills required of a project manager. Skills development training occurs in the following areas: 1) listening, requirements gathering and project introduction; 2) writing, contracts, statements of work and scope development; 3) leadership, team building, and cooperation; negotiation, understanding boundaries; 4) estimation of effort; 5) risk analysis: identification, mitigation, minimization and transfer of risk; 6) coordination of activities and project focus; and 7) utilizing project management tools to build and track a project. Students engage in an overview of a structured project management approach, utilizing the Project Management Institute® Project Management Body of Knowledge (PMBOK®), a globally recognized framework for project management in today's workplace. Students learn how integration of these underlying concepts and practices provide a formalized structured approach to managing successful projects. Emphasis is placed on 'how' these are implemented and coordinated across the project life cycle, including planning, execution and completion. Students also expand their knowledge of the core project manager competencies and people skills, including active listening and communication, team leadership and dynamics. Students learn how to effectively apply these throughout the project, complementing their technical knowledge and skills.

Prerequisite(s): PRMG2010.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSCI1001 Introduction to Political Science**

Political Science is the study of how human beings create governments, leaders, laws and policies. This foundational course explores how and why politics involves all aspects of our everyday lives. The dynamics of politics center on acquiring, distributing, and/or restricting access to power held by citizens and states. From local politics to international relations, the study of politics enables understandings of who ultimately gets what, when, where, why and how - or not. This course therefore explores the major ideas that drive the ways in which leaders govern, the systems in which they operate, motivations and barriers for citizens to participate in political life, how institutions of government work, and the role of money and media in the making of politics, from Main Street to Wall Street. This course also considers the modes by which citizens drive change in their governments, from Facebook and the ballot box to mass-scale protests driving political revolutions of the 21st century.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **PSCI1030 Introduction to Political Theory**

This course examines the major political propositions and ideas advanced in Western political thought that address and analyze core political controversies. By considering many of the primary thinkers and classic texts influencing political thought, this course explores the foundational concepts of political science. Students are equipped with the intellectual tools to comprehend and rationally question political concepts such as justice, liberty, rights, equality, power, authority, law and sovereignty.

Offered at Online, Providence

3 Semester Credits

### **PSCI2001 International Relations and World Politics**

This course provides a comprehensive introduction to the study of international relations, core concepts and key theories of world politics. Presented in this course are foundational ideas for understanding major historical and contemporary events in world politics, the behavior of states, and their relationship to the global order. This course prepares students to interpret world politics through analysis of particular trends, patterns, crises and global change. The chronic nature of war and ceaseless search for peace are considered, exploring how twentieth century historical events contribute to the twenty-first century nature of international relations. Politics and economics are also considered, focusing on economic relations among advanced post-industrial economies and issues of development of non-western nations, emphasizing the Global South. The role of post-colonial legacies and the failure of states is an important theme of the course. Additional topics include critical and emerging analyses that imagine possible future systems of international relations; imperialism; cold war politics and its legacies; national security theory including deterrence and the role of international political and monetary organizations in world politics.

Offered at Online, Providence

3 Semester Credits

### **PSCI2050 Political Communications**

This course examines how political actors communicate, select and design their messages and choose the medium that delivers them. Topics include how previous "information revolutions" (e.g., the rise of newspapers and broadcast media) extend the reach of communication, and radically remake political participation by voters, interest groups and/or political parties. Emphasis is on identifying and evaluating "frames," the underlying, unspoken assumptions that support political communication in mainstream media. Students also examine how recent changes of digital media are currently altering or disrupting long-established patterns of voting, activism and voter opinion-making. Students research and evaluate claims regarding the long-term benefits and/or risks of a globally connected digital media network, including its effect on democratic participation, government surveillance and political legitimacy. Students develop, present and critique a political media project.

Offered at Online, Providence

3 Semester Credits

### **PSCI2100 Comparative Politics and Government**

This course introduces students to the vital role that comparing systems of governments and political life plays in understanding the complex world of the 21st century and its politics. Through a focus on basic theories, analytical methods and questions in the field of comparative politics, students explore how political systems differ, how ideologies play a key role in defining political systems and governments, and the ways in which socio-cultural factors are a force in the making of particular models of government. Topics include the purpose of government and the role of the modern nation-state; autocratic and democratic structures of government; parliamentary and presidential democracies; elections and electoral systems; revolutions and political change; the influence of economics, religion and culture on government; globalization; and how governmental structures and institutions ultimately impact the lives of those governed. Country-specific case studies are examined throughout the course.

Offered at Online, Providence

3 Semester Credits

**PSCI2150 American Constitutional Law**

This course examines the Constitution's role in the relationship between the American people and their government, the constitutional structure and power of the American government, the preservation of individual rights and liberties, and the work of the Supreme Court of the United States. In addition to considering the text, theories and seminal cases related to the Constitution of the United States, this course explores the political, cultural and historical influences contributing to American constitutional jurisprudence.

Prerequisite(s): Sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI2200 Race, Politics and Power in America**

This course explores the pivotal question of why and how race matters so greatly to the making of politics and governance in historical and contemporary America. The course begins at the earliest formations of the U.S., underscoring the pivotal part that race played in defining citizens and rights during this era. Focus is on these foundational-period linkages to race and political rights and their political implications for the post-modern civil rights movement. Historical factors, status changes of minority communities in the U.S., and the idea of a post-racial society are compared and contrasted.

Offered at Online, Providence

3 Semester Credits

**PSCI3005 Political Ideologies and the 21st Century**

Historical events and processes of the 20th century help us to grasp the rising political ideologies of the 21st century and the emerging ways in which these ideologies are expressed as organizations, such as ISIS. Political ideologies of the past and of this century often stand in opposition to each other, as demonstrated in globalization/anti-globalization movements. Movements such as anarchism, perceived as marginal in the U.S., play a considerable role in shaping political events abroad. Digital movements of disruption, such as Anonymous, represent new modes of ideology, power and expression. The fate of ideologies with their roots in the 19th and 20th centuries, such as environmentalism, feminism, fascism, and radical-right-wing and anti-government groups in the 21st century is explored. Emerging and splinter hate groups, insurgent, anti-state movements and alternative political models and organizations are examined in global context, from Canada to New Caledonia.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI3050 American Politics, Policy and Institutions**

This course is an exploration of the interrelationships between U.S. politics and institutions and one of their key functions: making public policy. The theoretical and political foundations of policy studies and the craft of policy analysis as an academic and professional discipline are introduced. This course assesses both formal representative institutions (e.g., legislatures and/or executives), and their relationship to informal institutions (e.g., political parties, interest groups and/or the media). In addition, students define and apply concepts and analytical tools in evaluating how effectively or efficiently a government provides public goods. Assignments and projects give students opportunities to apply these concepts and techniques to policy problems and dilemmas and to practice communicating their analyses and recommendations to decision makers and/or stakeholders in a professional format.

Prerequisite(s): ENG1021 or ENG1027, HIST3200, sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI3100 Research Methods in Political Science**

This course explores the vital role research plays in the making of political science as an academic field of study. Probing how the scientific method works in the practice of studying, predicting and analyzing politics, this course investigates the array of qualitative and quantitative methods foundational to research in politics. How to research campaigns, political actors, processes and practices in both policy and legislative arenas, and their impacts comprises the scope of this course. The concepts and tools explored are pursued through continuous engagement with the empirical, utilizing seminal and current research in the discipline to introduce, reinforce and put to practice the ways in which design, data and results inform contemporary political thought and practice in both standard and innovative ways.

Prerequisite(s): Junior status.

Offered at Online, Providence

3 Semester Credits

**PSCI3150 Ethics in Public Life**

This course provides an introduction to ethics in political and institutional public life, the meaning of a fair and equitable society, and the obligations of public actors (elected officials, bureaucrats, lobbyists, advocates and others). Students identify and evaluate major theoretical frameworks, including utilitarian, Rawlsian and deontological ethics, and in discussing individual cases and dilemmas propose courses of action grounded in one or more of these ethical models. In addition, the course examines the organizational and political models that assist and/or interfere with the fulfillment of public ethical obligations. Students also assess the extent to which institutions may be organized to encourage desired ethical outcomes. Finally, students learn to develop and communicate their decisions through classroom exercises and in appropriate professional formats.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI3200 Women in American Political Life**

This course explores the role played by women in American politics and the effect of political decision making on women from the founding of the United States until the present day. Topics include women's acquisition of political power, including the struggle for suffrage and for the vote; the role played by women in creating public policy and the effect of policy on women; and women as reformers and political activists. Emphasis is on the role played by women of color as political actors in their communities and on the national stage.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI3250 Dynamics of Contemporary Diplomacy and Statecraft**

This course traces the origins of diplomacy from the imperial post-Westphalian world order to the emergence of the concept of the diplomat and formation of the nation-state system in the wake of Woodrow Wilson's 14 Points, on to the present era of globalized, insurgent anti-state movements. This course utilizes case studies to illustrate the major themes organizing the study of diplomacy and statecraft, grounded in an exploration of core theories and dilemmas of diplomacy drawn from near past to the present. The course offers a systematic approach to the analysis of this interrelationship, drawing on key concepts and theories from political science.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

**PSCI3300 Politics of Food, Human Security and Social Justice**

This course examines food as a medium of political life. The cultural politics of food and its connection to the production, distribution, consumption and waste of food to human security and social justice is discussed. Some of the issues addressed include food (in)security and sovereignty, body image and food, hunger and obesity, food citizenship, and the tension among government, industry, labor, consumers and food activists.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI3350 Political Parties, Social Movements and Interest Groups**

This course explores how political groups form and why they matter to political life in both authoritarian regimes and democracies. The impact of these groups on the effectiveness of political representation and the efficacy of governments is analyzed. Three types of groups central to U.S. politics are compared: 1) political parties, 2) social movements and 3) interest groups. This course explores dynamics driving the formation of these groups, such as interest articulation, ideology, grievances and contentious issues of policy. The impact of how these groups wield influence on the core institutions of government, individual political actors, media discourse, and voting behavior are explored. Key theories and thinkers that explain the processes and practices of interest articulation, underlying dynamics of collective identification and action, political mobilization, patterns and processes of lobbying behavior, and an investigation of their impact on the US political landscape are examined.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Providence

3 Semester Credits

**PSCI3500 Special Topics in Political Science**

This course focuses on a different area, issue or theme each semester, depending on student interest and faculty opportunities to teach and lead innovative course initiatives. Possible topics include study of Congress, the presidency, Washington political culture and the role of the media, national security, political campaigns, public social policy, political violence, and regional studies (e.g., European Union, Middle East). Additional fees may apply depending on specific course section offered.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

**PSCI3550 Inside Washington: Contemporary American Politics in Critical Perspective**

This course explores the contemporary American political landscape as it is constituted and impacted by regular midterm and presidential election cycles; ongoing deep political polarization among the electorate; radical politics on both the left and right; the role of mainstream, alternative and social media in American politics; issues of campaign financing; dynamics driving levels of prevailing voter attitudes and turnout, and emergent domestic policy issues. The point of departure for this course is an engaged examination of the themes, factors, variables and actors that constitute the complex American political landscape, as broadly examined during The Washington Center's Inside Washington intensive seminar. This course enables students to examine more specifically those issues, events, trends, patterns, precipitous political happenings, and current political science research of interest to them, on an individualized basis.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

**PSCI4100 Issues in Political Theory: The Politics of Human Rights in Global Perspective**

This course explores categories of rights granted by the U.N. Declaration of Human Rights; ideological, political and cultural tensions concerning human rights; and their application to all peoples and societies. International failures to ensure these rights are analyzed in case studies. The politics of human rights, barriers to realizing human rights as a global priority for the 21st century amid worldwide atrocity and terrorism, and origins of the idea of individual rights and cultural analogues to western notions of rights are explored.

Prerequisite(s): ENG1021 or ENG1027, sophomore status.

Offered at Online, Providence

3 Semester Credits

**PSCI4900 Capstone Seminar in Political Science**

This capstone seminar is the culmination of the learning experiences and skills students have acquired throughout the course of their political science program. Students develop a research thesis and professional portfolio in preparation for them practicing political science in a variety of professional settings and graduate school programs. The emphasis of this research/professional seminar is three-fold: 1) to support students in designing and making operational a research project, 2) to produce a portfolio and professional development plan, and 3) to write an effectively articulated research thesis. Students engage in on-going peer-review and consultation sessions with the purpose of encouraging a resourcefulness-approach to professionalism and personal skills enhancement, both in future career and academic pursuits. Throughout the seminar, emphasis is on supporting students to conceive of and articulate the applicability of their acquired skills and program-related experiences to their developing career and future study.

Prerequisite(s): PSCI3100, senior status.

Offered at Online, Providence

3 Semester Credits

**PSYC1001 Introductory Psychology**

Introductory Psychology is the scientific study of behavior and mental processes. Ethical application of the scientific method is used to examine nervous system structures and functions, learning, memory, intelligence and states of consciousness.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC1011 Metacognition and Learning Strategies**

This course is a segment of the 10-month Wildcat Learning Effectiveness in Action Program (LEAP). The course provides LEAP learners with an applied, experiential exploration of metacognitive-based learning-strategy skill sets intended to enhance their self-efficacy as students and global citizens. Through an evidence-based practice, active learning design, LEAP students are introduced to, explore, and practice learning strategies focused on these core areas: metacognition, executive function, self-regulation, developing engaged-student, pro-active behaviors, focus, working memory, critical thinking and reasoning. These skills and schemas are acquired through an emphasis on the practice of techniques intended to enhance understanding via experiential engagement and reflective learning.

Prerequisite(s): Acceptance into Wildcat LEAP.

Offered at Providence

3 Semester Credits

**PSYC1020 Introduction to Professional Issues and Ethics in Psychology**

This course explores the identity, professional values and diverse work settings in the field of psychology. Students learn about the scope of the broad field of psychology, as well as a variety of sub-disciplines. Fundamental skills for psychology students, such as scientific literacy and critical thinking, are explored, enabling students to critically evaluate research in the social sciences. Students also learn about ethical behavior, as well as examine critical historical events, contributors and landmark studies that shaped the field of psychology. The course illustrates the various roles that psychology plays in the understanding and shaping of modern society.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC2002 Abnormal Psychology**

This course examines the major theoretical approaches to psychological and other behavior disorders. Included are definitional criteria, causes, prevalence, related conditions and current treatment programs for both children and adults. Emphasis is placed on the sociocultural context of psychological disorders as well as on correcting common stereotypes about mental and emotional illness.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC2015 Human Sexuality**

This course is an exploration of human sexuality from a biological, psychological and socio-cultural perspective. It examines major theoretical perspectives that influence the scientific study of sexuality. Critical issues discussed include but are not limited to sexual identity and gender, sexuality and relationships, contemporary and cross-cultural views on human sexuality, rape and sexual exploitation and sexuality across the lifespan.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC2020 Industrial/Organizational Psychology**

This course emphasizes the psychological principles involved in group performance, power, leadership styles and behavioral motivation. It includes discussion and analysis of organizational research and the application of the results to businesses and industrial situations. It is designed to assist the business student in incorporating psychological knowledge into his or her managerial and leadership style in order to increase on-the-job productivity.

Prerequisite(s): PSYC1001.

Offered at Online, Providence

3 Semester Credits

**PSYC2030 Developmental Psychology**

This survey course is designed to introduce the student to the concepts, theories and recent research in the area of human life span from conception to late adulthood. The integrative process of physical cognitive and psychosexual development during significant periods of maturation is examined.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC2040 Psychological Issues of Substance Use Disorders and Compulsive Behaviors**

This course examines the various types of substance use disorders and accompanying compulsive behaviors and symptomology related to these disorders. It focuses on problems related to the addictive process. Topics include but are not limited to compulsive gambling, alcohol and other substance use disorders, paraphilias, eating disorders and other compulsive behaviors. Relevant topics such as the addictive process and personality are addressed along with familial effects and psychosocial impact on all. Various treatment approaches and methods of recovery are discussed. Methods of awareness, identification and distinction between various compulsive disorders and substance use disorders and substance-induced disorders along with the biopsychosocial model of addiction are delineated.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC2100 Health Psychology**

This course examines the impact of psychological and behavioral factors on individual health and wellness. The application of theory in understanding and designing health education materials, behavioral interventions, prevention strategies, and improving access to health systems is emphasized.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3001 Social Psychology**

This course features a study of individual behavior in relation to the social stimuli of modern life. The course involves the extension of general psychological principles and methods in the study of social behavior.

Prerequisite(s): ENG1021 or ENG1027, PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3010 Personality**

This course is a study of various personality theories in the context of psycho-philosophical differences in personality. Personality development, assessment methods, theoretical application, integration and critical evaluation of each theory are analyzed. Application of theory to actual and hypothetical cases is expected throughout the course.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3040 Introduction to Neuropsychology and Psychopharmacology**

This course considers the function and dysfunction of the human central nervous system with respect to higher order cognition and behavior. This course surveys the neuroanatomical, neuropathological, neurocognitive and neurobehavioral aspects of the brain, and provides an introduction to the psychopharmacological aspects of treatment in mental health counseling.

Prerequisite(s): PSYC2002, (SCI1015 or SCI1050 or SCI2031).

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3100 Community Psychology**

This course examines the historical and theoretical perspectives of community psychology: the interrelationship between individuals and the various family, friendship, neighborhood, work, and community systems in which they live. Using a scientific approach, key areas of focus include the application of psychological principles to understand and address social issues, engage in collaborative problem solving, and promote community development.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Providence

3 Semester Credits

**PSYC3200 Cognitive Psychology**

This course examines the primary cognitive processes of attention, perception, and memory as the foundation for higher order thinking. Students examine and discuss early and current theories and methodologies in cognitive science and explain how primary cognitive processes lead to complex thought. A key component of course work includes conducting a literature review on an assigned or selected topic.

Prerequisite(s): PSYC1001.

Offered at Online, Providence

3 Semester Credits

**PSYC3350 Psychology of Motivation and Leadership in the Workplace**

This course examines current research and theories for motivation at work and how they affect the achievement of organizational goals and objectives. A chronological review of the field is included, as well as discussions around such topics as the importance of money, the relationship between job satisfaction and job performance, and the distinction between intrinsic and extrinsic motivation. A focus on understanding theories of leadership and their roles in creating and maintaining a psychologically healthy workplace is emphasized.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**PSYC3420 Criminalization of Mental Illness**

This course examines the intersection of the psychiatric and penal systems in the United States. It examines the historical movements that served to locate the mentally ill within the criminal justice system. The moving of the mentally ill into prisons intended for criminal populations continues to be a significant concern in American society today. Particular attention is paid to the role of race and ethnicity, class, gender, and the Prison Industrial Complex that provide frameworks for understanding the social and psychological implications of this co-mingling of institutions, especially in their consequences for marginalized communities. Paying particular attention to the constitutional and global human rights concerning these imprisoned populations, this course explores the possibilities and opportunities for social and political change.

Prerequisite(s): PSYC1001.

Offered at Providence

3 Semester Credits

**PSYC4150 Psychology of Conflict Resolution**

This course explores the definition, causes and methods used for resolution of conflicts. Causes for conflicts such as communication, beliefs and values, and lack of trust are discussed, as well as the approaches toward resolution of conflicts, such as the adversarial and non-adversarial approaches. Advantages and limitations are identified for each method.

Prerequisite(s): PSYC1001.

Offered at Charlotte, Online, Providence

3 Semester Credits



**PSYC4200 Cultural Psychology**

This course offers knowledge, practice and application of the principles of Cultural Psychology. It examines the major theorists in this field and the application of their theories to human behaviors and interactions. It critically examines cultural psychological theories in both traditional western and non-western psychological models. Accordingly, the course elucidates the particular research methods that are specific to the study of psychology and culture. By examining the developmental processes of cultural identity, the course demonstrates the necessity of cultural psychology as a specific domain of inquiry. In addition, the course examines the divergent frameworks for understanding abnormal behavior and mental illness, as well as mental health and wellness, in a cultural setting. Finally, the course focuses on application and analysis of the themes of cultural psychology for their use in specific work situations and in our global world today.

Prerequisite(s): PSYC1001, junior status.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**PSYC5200 Advanced Neuroscience and Psychopharmacology**

This course is an in-depth investigation into the principles of psychopharmacology from a clinical case perspective. Principles of action, efficacy, and safety of psychotropic drugs in treating psychiatric and behavioral disorders are focal points. An inquiry into the etiology and diagnosis of major mental disorders is examined. Emphasis is on modification of baseline neurotransmitter systems by current treatment protocols and medications under development.

Offered at Providence  
3 Semester Credits

**PSYC5400 Organizational Psychology**

This course provides the foundation for student's work in organizational psychology as the scientific study of how human behavior and attitudes are impacted by organizational culture and design. Topics covered within this course include individual attitudes, motivation, group dynamics, organizational culture and sociocultural influences on organizational climate.

Offered at Online, Providence  
3 Semester Credits

**PSYC5450 Attitude and Motivation in the Workplace**

This course examines the nature and importance of attitude and its integral connections to employee motivations. Employee attitude is often overlooked and undervalued as a workplace factor that can impact the degree of success experienced in today's organizations. Attitude can significantly influence the motivational levels of individual employees, workplace teams and entire operational units, resulting in dramatic changes to an institution's overall efficiency and effectiveness. Strategies for identifying and fostering positive attitudes that promote organizational health, growth and sustainability are discussed.

Prerequisite(s): PSYC5400.  
Offered at Online, Providence  
3 Semester Credits

**PSYC6800 Organizational Psychology Capstone I**

The capstone course for organizational psychology integrates the knowledge and skills acquired throughout the program to develop a refined approach to address complex problems for organizations in the 21st century. Theories and best practices are analyzed for dealing with the dynamic circumstances that are significantly influenced by factors such as advanced globalization and constantly evolving technology and sociocultural influences. Class discussion, lectures and a capstone project challenge students to demonstrate their proficiency in areas such as organizational leadership and change, motivation, team dynamics and coaching and consulting. Students further incorporate their knowledge and skills as scholar practitioners by completing a capstone research or consulting project.

Prerequisite(s): LEAD6100.  
Offered at Online  
3 Semester Credits

**PSYC6820 Organizational Psychology Capstone II**

This course requires students to extend their learning by writing a rigorous research paper or completing a project that examines a specific idea relevant to the field of organizational psychology, while applying previous course material. Students present their research within the context of implications for relevant organizations today and in the future.

Prerequisite(s): PSYC6800.  
Offered at Online  
3 Semester Credits

**REL2001 Comparative Study of World Religions**

This course introduces students to the world's great religions: Hinduism, Buddhism, Judaism, Christianity and Islam. Focus of the course is interdisciplinary and includes history, sociology, philosophy, psychology and textual/cultural analysis of each religion's literature in relation to these religions. The course highlights the diversity and commonalities of religious experience and expression as religions face 21st-century challenges. Students examine both the specific contexts and conditions in which a variety of religious traditions exist in the global era.

Prerequisite(s): ENG1020 or ENG1024 or English placement.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**REL3100 Food, Philosophy and Religion**

This course examines the role of food, alcohol, eating and cooking in the world's major philosophies and religions and the belief systems of antiquity and of many indigenous cultures in the Americas, the Arctic, Africa and Oceania, past and present. The course begins with a study of the religions and philosophies of animistic, pantheistic and polytheistic cultures in the ancient world and in historical and contemporary indigenous communities. The course ends with an investigation of how food's role in religious practice has changed over time to accommodate such forces as urbanization, industrialization and immigration. Among the topics to be covered are sacred and taboo foods, food as an object of sacrifice, fasting, the role of food and dining in the formation of religious identities and communities, monastic cuisines and dining practices, and food as a representation of the cosmos. Throughout this course, comparisons among religious traditions and between traditional practices and contemporary practices are drawn.

Prerequisite(s): ENG1021 or ENG1027.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**RES1010 Introduction to Race and Ethnicity in the United States**

This course provides an overview of the concepts and constructs of race and ethnicity in the U.S. and serves as an introductory course for the Race and Ethnicity Studies minor. Students explore racial and ethnic identity from various perspectives, including literary, media, historical and sociological. Critical thinking and research skills form the foundation of the course topics, discussions and assignments.

Offered at Providence  
3 Semester Credits

**RMGT2001 Enterprise Risk Management**

This course focuses on the aspects of enterprise risk management (ERM) in business, including the methods and processes used by organizations to manage risks and seize opportunities related to the achievement of their objectives. The course provides a framework for the identification, assessment, monitoring and mitigation of risk as it relates to the business enterprise including identification and mitigation of strategic, marketing, financial, supply chain, information technology, health/safety risks and corporate governance.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**RSCH2050 Workshop in Acquiring Social Research Skills**

This course explores the concepts, steps and skills required for analyzing and conducting research grounded in the scientific method. The emphasis of this course is on acquiring research skills through practice-based learning. Students attain an understanding of the roles and approaches that distinguish quantitative and qualitative research methods. Students learn how to plan and write a research project prospectus and how to select and interpret data. Students acquire a working understanding of the analytical approaches necessary for evaluating the validity and credibility of primary and secondary research, learning also to use and interpret statistics in specific applied contexts. Students explore current professional ethical norms and practices in research. Students gain appreciation for understanding how research and society are vitally linked, while grasping the importance of the role of public scrutiny in research.

Prerequisite(s): MATH2001 or MATH2010, PSYC1001 or SOC1001 or SOC2005, sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RSCH3020 Honors Research Methods**

This course prepares honors students to conduct the necessary research to successfully complete the honors thesis requirements for graduation from the Honors Program. Students evaluate a variety of research methods, engage in exercises in working with primary and secondary sources, and review appropriate documentation forms. The professor guides students in their choice of feasible research projects and serves as the major adviser during the development of an honors thesis prospectus. Students complete the honors thesis in RSCH4020 Honors Directed Academic Experience.

Prerequisite(s): ENG1024 or English placement, junior status, honors status, 3.6 cumulative GPA.

Offered at Charlotte, Providence

3 Semester Credits

**RSCH3810 Undergraduate Laboratory and Field Research**

This course requires students to investigate a problem or question through a laboratory and/or field research study. Students develop skills essential for becoming an active member of the research community and workforce, such as scientific literacy, experimental design, modern research techniques, data collection and analysis, and oral and written communication.

Prerequisite(s): Minimum 57 earned credits and permission of instructor.

Offered at Charlotte, Online, Providence

3-6 Semester Credits

**RSCH3830 Undergraduate Research Experience**

Under the supervision of a faculty mentor, students actively engage in all facets of an original research project. Original quantitative or qualitative research projects are permitted, depending on faculty availability. Research projects facilitate the development of critical skills in the field of interest and promote current and future professional development for the student.

Prerequisite(s): Minimum 57 earned credits and permission of instructor.

Offered at Charlotte, Online, Providence

3-6 Semester Credits

**RSCH4020 Honors Directed Academic Experience**

The Honors Directed Academic Experience offers honors students the opportunity to develop and complete a capstone project begun in the Honors Research Seminar (RSCH3020). This project is completed under the direct supervision of an individual faculty mentor appropriate to the specialized field of research or other work undertaken by the student. Though students submit portions of the project to the faculty mentor at regular intervals, students are expected to devote a substantial amount of time to research, writing and other appropriate forms of independent engagement with their chosen subject.

Prerequisite(s): RSCH3020, honors status.

Offered at Charlotte, Providence

3 Semester Credits

**RSCH4050 Research Seminar in Psychology**

This capstone course is designed to complete the major program of study by integrating the student's prior academic experiences in psychology. A seminar format is used to encourage student participation and interaction with peers and faculty. Each participant chooses a topic within their area of interest.

The topic is explored through individual research, periodic presentations and discussion. Discussion focuses on both substantive and methodological concerns as well as interconnections among areas of study.

Prerequisite(s): RSCH2050 or RSCH3020, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RSCH5700 Research and Inquiry**

This course enables graduate students to develop problem-solving, critical thinking and quality decision-making skills that are important for professionals in all industries. Students evaluate research methodologies and develop techniques in critical thinking to improve their understanding and evaluation of industry information. The course examines the research process from preliminary data-gathering techniques to problem identification and hypothesis development. Students review pertinent data and literature as secondary sources, critique published materials and focus on the nature of primary, empirical research and the elements of research design. Particular attention is given to the student's perspective of the applicability of research to his/her career endeavors.

Offered at Online, Providence

3 Semester Credits

**RSCH5800 Evidence-Based Research in Management**

This course enables graduate business students to develop problem-solving, critical thinking and quality decision-making skills that are important for professionals in all industries. Students evaluate the credibility of the various sources of organizational information (practitioners, the research literature, organizational data, and stakeholders) and develop techniques in critical thinking to improve organizational decision-making. For each source of information, the course examines the three critical elements of knowledge creation: ask, acquire and appraise.

Offered at Online, Providence

3 Semester Credits

**RSCH6100 Research and Theories in Addiction Counseling**

This course builds on previously acquired knowledge about research methods in the field of counseling. Emphasis is placed on critically examining research and research instruments, with an overall goal of developing the skills necessary to design a research study, and collect and analyze data. Students are prepared to use data to assess and improve performance in their chosen field, especially as it relates to addiction counseling.

Offered at Providence

3 Semester Credits

**RSCH6150 Research and Theories in Mental Health Counseling**

This course builds on previously acquired knowledge about research methods in the field of counseling. Emphasis is placed on critically examining research and research instruments, with an overall goal of developing the skills necessary to design a research study, and collect and analyze data. Students are prepared to use data to assess and improve performance in their chosen field, especially as it relates to mental health counseling.

Offered at Providence

3 Semester Credits

**RSCH7110 Research Design**

This course prepares students to identify, synthesize and analyze research and apply it to issues and challenges in business settings. The focus of the course is on the identification and analysis of researchable problems, formulating research questions, critiquing existing research studies, and using research to improve policies, programs and practices.

Offered at Online

3 Semester Credits

**RSCH7130 Quantitative Research Methods**

This course focuses on quantitative research methodologies, instrumentation, data collection and analysis processes, and the interpretation and presentation of results. Common statistics topics for doctoral students are covered, including when and how to use them in the context of practical business decisions. These include probability and descriptive statistics, forecasting methods, sampling distributions, hypotheses testing, analysis of variance and regression analysis. Statistical analysis software is used to interpret results and evaluate reliability and validity. Case studies are reviewed to support learning.

Offered at Online  
3 Semester Credits

**RSCH7150 Qualitative Research Methods**

This course focuses on the use of qualitative research inquiry for discovering, observing and analyzing a variety of organizational phenomenon. Topics include ethnography, grounded theory, phenomenology, case study, focus group and narrative research approaches, employing interviewing, discourse/content analysis and participation observation methods. Assumptions of qualitative inquiry, standards of sampling, ethics and trustworthiness are discussed. Students practice using data analysis software and conduct research (data collection, analysis and interpretation) to support learning.

Offered at Online  
3 Semester Credits

**RSCH9008 Dissertation Research and Writing**

This course runs in eight-week segments to allow students to work directly with advisors to actively progress through dissertation milestones. Students are registered for this course three times to work through the dissertation components listed in the course objectives. Through the three-term enrollment, the dissertation research and writing course enables advisors to provide guidance and practical support for doctoral candidates in the various phases of the dissertation project with emphasis on refining the problem of practice and grounding the study, developing a dissertation proposal, completing the DBA Program Review Process, submitting an application to the JWU Institutional Review Board (IRB) for permission to conduct the study, completing any other ethical research practices and protocols in accordance with the protection of human subjects and informed consent procedures, piloting instruments for data collection (if applicable), conducting data collection for the approved study, transforming the dissertation proposal into chapter 1 and using the proposal to outline/develop the literature review (chapter 2) and the methodology (chapter 3) for the dissertation. Lastly, students analyze their data and report the findings. Workshops are provided on special topics related to data collection, instrument design and sampling strategies, as well as scholarly writing support and APA formatting/guidelines. The DBA Program and Dissertation Handbook should be referenced for specific dissertation information. A final dissertation course (RSCH9010) guides students through chapter 5, final manuscript completion, and the dissertation defense.

Prerequisite(s): Completion of all core courses.  
Offered at Online  
3 Semester Credits

**RSCH9010 Dissertation Completion**

This final course in the program is designed to support students in the development and completion of their doctoral dissertation. In this course, students complete the dissertation process. Students formulate and explain the implications and value of the research findings for management practice and make specific recommendations to improve management practice. Prior to the end of the module, students submit the final manuscript, defend the dissertation research successfully, and begin the publishing process.

Prerequisite(s): Completion of 9 credits RSCH9008.  
Offered at Online  
3 Semester Credits

**RSCH9011 DBA Dissertation Advisement**

When necessary, this course allows students to extend dissertation work time beyond their anticipated completion term. This course is generally applicable after the third program year and provides ongoing dissertation advisement and continuous enrollment. The dissertation course series provides students with structured support and moves students toward degree completion.

Offered at Online  
0 Semester Credits

**RTL1015 Introduction to Retail and Fashion**

This course is an overview of the retail and fashion industries. Students explore historical influences on contemporary industries as well as the process of developing and producing apparel products and retailing consumer goods. Types of retailers and retail channels are emphasized as are industry research methods.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**RTL2005 Global Sourcing**

This course allows students to examine the import marketing process, import regulations, sources of supply, supplier management and development, and transportation in order to learn how to participate in the global marketplace and negotiate in cross-cultural situations.

Prerequisite(s): MRKT1001, sophomore status.  
Offered at Charlotte, Providence  
3 Semester Credits

**RTL2008 The Textiles Industry**

This course provides a comprehensive overview of the textiles industry. Students explore fibers, yarns, fabrics, dyes, prints and finishes. Emphasis is on factors that affect the hand, appearance and performance of textiles and textile products. The manufacturing of yarns and fabrics (woven, knitted and nonwoven) are examined in order to evaluate appropriate end uses.

Prerequisite(s): RTL1015.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**RTL2010 Apparel Quality Analysis**

This course provides students with a method for evaluating the quality of ready-to-wear apparel. Students explore textiles, construction techniques, performance characteristics and the link between quality and price. Focus is on making informed business decisions in fashion merchandising and marketing using an understanding of how apparel is produced and an appreciation of the features that affect cost and quality.

Prerequisite(s): RTL2008.  
Offered at Charlotte, Providence  
3 Semester Credits

**RTL2050 Fashion Promotion**

The course explores the principles of fashion promotion as they relate to planning, selling and marketing fashion merchandise to consumers. Students explore the nature of the contemporary fashion promotion industry, and its use of integrated marketing communications to inform consumers of trends and styles.

Offered at Charlotte, Online, Providence  
3 Semester Credits

**RTL2122 Retail and Fashion Lab**

This course is a career exploration of a variety of merchandising functions. Part of this course takes place in a laboratory setting with students completing hands-on assignments resembling merchandise management activities. Students conduct market analysis, trend research, buying, and visual merchandising under the supervision of faculty with industry expertise.

This course includes industry field visits. Students are encouraged to examine personal and professional goals as they visit with local industry hosts and alumni. Students develop professional skills and network with industry speakers as they discover many retail and fashion career paths.

Prerequisite(s): RTL1015, sophomore status.  
Offered at Charlotte, Online, Providence  
4 Semester Credits

**RTL3010 Merchandise Buying**

This course provides the student with principles of merchandising buying. Students review the environmental factors that influence the behavior of consumers and the techniques for predicting merchandise cycles. This course outlines the merchandising activities and marketing trends of those industries involved with producing and selling goods in the marketplace. Students examine the merchandising activities and decisions expected of a buyer at the retail level. Buying activities are compared for a variety of retail settings.

Prerequisite(s): RTL1015.  
Offered at Charlotte, Online, Providence  
3 Semester Credits

**RTL3030 Cases in Fashion and Retail**

This course analyzes and compares fashion and retail merchandise and management techniques used in specialty store, department store, chain store and mass merchandising operations. A case study approach is used in evaluating merchandise and management decisions in a variety of cases involving issues, types of operations and levels of management.

Prerequisite(s): RTL2063, junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3055 History of Fashion**

This advanced course focuses on the elements affecting dress from antiquity through the 20th century. Using an interdisciplinary approach, students explore the complex relationship between dress and textiles as a reflection of material culture and phenomena, such as social structure, technology, aesthetics, geography, politics and religion. The constants and changes in human ecology are analyzed using primary sources including archeological discoveries, artworks, written documents, period photographs and extant objects. Critical thinking skills and scholarship are emphasized as students apply a historical framework to real-world issues in today's global marketplace.

Prerequisite(s): Junior status.

Offered at Charlotte, Providence

3 Semester Credits

**RTL3065 Forecasting**

This course provides an overview of the field of fashion forecasting. Students learn to research, identify and evaluate trends in themes, colors, textiles and styles, as well as their impact on the textile and apparel industries. They explore garment components in order to better recognize fashion trends and develop fashion forecasts based on consumer, aesthetic and market research.

Prerequisite(s): RTL2095 or RTL2122.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3075 Textile Design for Apparel and Home Furnishings**

This hands-on course is an introduction to basic textile design techniques used by designers and manufacturers. Topics include the aesthetic and performance characteristics of fibers, yarns, weaves and knits, as well as motif development and pattern design. Methods of design incorporate dyeing, printing, surface manipulation, and embellishments. The development and ethical issues of the textile industry are also explored. Students develop an appreciation for the historic and cultural value relevant to each method and create collections of textile samples for both apparel and home.

Prerequisite(s): RTL2008.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3150 Special Topics in Fashion, Retailing and Marketing**

This course is a study of how fashion, retailing and marketing trends today impact consumers, business and society. Emphasis is on current literature, advanced problems and research tools applicable to the chosen topic. This course focuses on a different area, issue or theme each year, depending on student interest. The topic area may not be usually found in the conventional classroom course.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**RTL3212 Sustainability in the Fashion Industry**

This course is designed to introduce students to the topic of sustainability in the fashion industry. Students are exposed to the core issues and challenges of sustainable apparel. Focus is on the management of processes involved with raw materials, textile production, apparel design, manufacturing, selling and disposal in order to produce a positive impact on society. Concepts of the fashion supply chain and its sustainability (environmental, economic and ethical) are examined.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3240 Retail Math**

This course teaches the concepts, practices and procedures for math utilized in merchandising. Students use calculations and interpretations of figures needed to allocate merchandise investments, control of sales, and control inventory (including planning and pricing) to be profitable in retail environments. The course approaches retail management from the standpoint of the retail businessperson and is intended to serve as a tool for the student of merchandising management.

Prerequisite(s): RTL1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL3350 Visual Merchandising**

This course aids students in the development of skills necessary to the creation of strategic and innovative visual merchandising. Emphasis is on the importance of color and composition, types of displays, fixtures, and brand image. Other topics include the use of mannequins, mannequin alternatives, signage and floor plans, as well as display space conceptualization and implementation.

Prerequisite(s): RTL1015.

Offered at Charlotte, Online, Providence

3 Semester Credits

**RTL4050 Strategic Planning in the Fashion Industry**

This senior-level capstone course integrates theory and real-world situations. Using research, data collection and analysis, students evaluate, formulate and implement business strategies for the fashion and retail industries. This course examines the momentum of omni-channel retailing as brick and mortar, e-commerce, and social commerce create seamless shopping experiences. Students research financial, merchandising, and competitive data from fashion and retail organizations and determine advanced merchandising strategies.

Prerequisite(s): RTL3030 or RTL3065, senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI1010 Environmental Science**

This course presents major scientific concepts dealing with the biological and physical nature of the world we live in. A major theme is the impact of human population and economic growth on the biodiversity and ecosystems of our planet, considering how sustainable use of the world's resources may be achieved for both developing and developed nations. Topics such as energy, air, water or resource use, land use and agriculture are discussed.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI1015 Introduction to Life Science**

This course describes key biological and chemical principles that apply to all living things. Evolution and natural selection are studied as an explanation for the history of life on Earth. Students examine cells and cell functions, genetics, as well as structure and function of human body systems. Application of scientific methodology is included.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI1050 Nutrition**

This course in basic human nutrition examines metabolic energy derived from carbohydrates, proteins and lipids. Pathways for utilization of this energy to build new biomolecules, including nucleic acids, are discussed, as are the consequences of nutrient deficiencies. Ways to achieve and maintain nutrient balance are a central part of the course. The significance of vitamins and minerals and possible toxicity due to overabundance are also discussed. Computer-based dietary analysis is a key component of this course.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI2020 Introduction to Exercise Physiology**

This course introduces topics in the physiology and anatomy of exercise, cardiovascular fitness, nutrition, and weight control. Emphasis is placed on understanding the scientific basis for a wellness program.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI2030 Introduction to Ecology**

This course combines biology and other sciences to study how living things interact with each other and with their nonliving environment. Topics such as competition and predation, the one-way flow of energy and the cycling of nutrients through ecological communities are examined. Other topics such as biodiversity, major terrestrial and aquatic biomes, succession, and the methods and goals of environmental conservation are discussed.

Offered at Providence

3 Semester Credits

**SCI2031 Anatomy and Physiology**

This course covers the anatomy and physiology of the human organism, based on the cell, tissue, organ and system structures of the body. An integral part of this course is the learning of medical terminology.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI2350 Honors Seminar: The Scientific Implications of Mass Food Production**

This course focuses on the health and environmental impacts of the industrialization of food production. Specifically, students investigate the molecular techniques used to engineer genetically modified foods, the use of antibiotics and hormones in animal production, the biological modes of action of both pesticides and herbicides, and the industry's contribution to environmental pollutants and greenhouse gases. Students gain insight into scientific research methods through readings and classroom discussions.

Scientific research articles are used to investigate the consequences of current production techniques. In addition, students develop an understanding of the scientific method by designing and conducting experiments in a laboratory setting. Students demonstrate their understanding of this topic with the completion of a research project.

Prerequisite(s): ENG1024 or English placement, honors or SHARP status.

Offered at Charlotte, Providence

3 Semester Credits

**SCI3020 Sustainability Policy and Planning**

In this course, students are introduced to the application of scientifically-sound sustainability policies and their effects. Through the study of relevant case studies, this course demonstrates how corporate leaders can gain a strategic advantage by fostering sustainable development principles within their organizations. Businesses have typically been viewed as major contributors to environmental problems, but they have also been extremely important participants in solutions. Students investigate policy efforts that promote responsible management of social, economic, and environmental resources and examine the role of governments, markets, and nonprofit organizations in the implementation of sustainable development laws and policies.

Prerequisite(s): ENG1021 or ENG1027, (BIO1022 and BIO1026 or (SCI1010 or SCI1015)).

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI3070 Food Sustainability**

This course introduces students to the natural science aspects of sustainability in food production, agriculture, aquaculture, food distribution, and environmental considerations. Topics include such emerging areas as organic food industry, slow food movement, local food production, and sustainable food production practices. The class integrates theoretical principles of agriculture and aquaculture sustainability with hands-on learning exercises and evaluates the environmental, social and economic aspects of sustainable food production issues.

Prerequisite(s): ENG1021 or ENG1027, BIO1022 and BIO1026 or SCI1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI3080 The Business of Sustainability**

This course reveals the business advantages of integrating the scientific principles of environmental sustainability in commerce. The application of sustainability principles to business management is investigated. How environmental issues can drive markets and be used to manage risks and costs is examined. The economic necessity of sustainable business practices is analyzed. Business practices are evaluated to determine their true environmental impact.

Prerequisite(s): ENG1021 or ENG1027, BIO1022 and BIO1026 or SCI1010.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SCI4090 Research Seminar in Sustainability**

This course is a capstone of the student's undergraduate work in the sustainability minor and an introduction to the professional practice of sustainability. The Research Seminar in Sustainability is designed to provide students with opportunities to experience the methods used in business, nonprofit, and government sustainable development initiatives and programs by approaching a single issue from a variety of perspectives. Student groups select topics related to the main issue. Topics are clustered within the categories of policies and sociology, economics, or health and environment. Each group analyzes its topic, discovers relationships to the main issue and other groups' topics, and presents their findings to the entire class. This multidisciplinary seminar serves as an integrative course employing the strategies that will build a sustainable future.

Prerequisite(s): BIO1022 and BIO1026 or SCI1010, SCI3020, SCI3070, SCI3080.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE1001 Introduction to the Sports, Entertainment and Event Management Industry**

This course introduces students to the sports, entertainment and event management field. Emphasis is on the historical development, organizational structure, use of technology and career opportunities that exist within the industry. Operational issues related to the management of events and facilities such as arenas, convention centers and stadiums are also discussed.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE2005 The Business of Sports**

This course explores the business of sports. Focus is on acquiring knowledge pertaining to sports events, legal and ethical aspects of sport, sport venues, and sport economics. Course content focuses on the comprehensive nature of professional and amateur sports.

Prerequisite(s): BUS1001 or FSM1001 or HOSP1001 or SEE1001.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE2015 Leadership in Recreation/Leisure Settings**

This course explores leadership qualities, styles and group dynamics. Students examine a selection of program activities and guidelines for presenting and developing them effectively. Focus is on developing, leading and evaluating activities based on varying participant requirements. Aspects of group facilitation, activity sequencing and debriefing are discussed.

Offered at Online, Providence

3 Semester Credits

**SEE2030 The Business of Entertainment**

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): None.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE2040 Outdoor Recreation Planning**

This course provides an introduction to the concept of outdoor recreation, outdoor recreation planning and the specific use of our environment for recreation by individuals, private agencies and government agencies. The study of federal programs including the National Park Service is an integral part of this course.

Offered at Charlotte, Providence

3 Semester Credits

### **SEE2120 Introduction to the Music Industry**

In this survey style course, students explore the sectors of the music industry including artist management, concert production, recorded music, copyright, performing rights organizations, songwriting, music publishing, merchandise, audio production and radio. While interpreting the historical underpinnings of the music industry, students evaluate the current industry landscape.

Course activities include the analysis and interpretation of legal documents, financial statements and marketing materials with a focus on the practice of industry-standard communication and exploration of career opportunities.

Prerequisite(s): Sophomore status.

Offered at Providence

3 Semester Credits

### **SEE2150 Safety, Security and Risk Management in the SEEM Industry**

This course provides the opportunity for students to gain an understanding regarding specific risk management, risk operation, risk assessment, planning and evaluative techniques used by professionals within the sports, entertainment, event and venue management field. Students acquire knowledge on how to manage, reduce and transfer risks to provide a safe and secure environment in venues for events. Students also gain fundamental knowledge of assessing risk operations and understanding liabilities of conducting an event in a venue. Students have the optional opportunity to take part in the Trained Crowd Manager Certification through the International Association of Venue Managers (IAVM) for an additional cost.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE2180 Sporting Activities in Private Clubs**

The central purpose of private clubs is to provide benefits to members, including access to social and recreational facilities. This course offers students a deep exploration into the types of sporting activities offered to multigenerational and demographically diverse memberships. Students develop a proficient understanding of the sporting activity's purpose, rules, levels of competition, equipment, facilities, staffing, and safety concerns. Private clubs, which offer a particularly high level of membership attraction for particular sporting activities, are used to demonstrate fully developed and extensive programming.

Offered at Providence

3 Semester Credits

### **SEE3018 Fan Engagement and the Guest Experience**

This course explores the business dynamics of ticket sales and operations as well as the business dynamics of ancillary service within the sports, entertainment and event industry. Students explore the management, marketing and promotional efforts behind the sale of tickets and the operational strategies used to administer ticketing and box office inventory control systems. In addition, students learn the current procedures and standards for managing food and beverage and retail services. Students focus on the manager's role in delivering multiple levels of service in an effective manner.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3030 Athletic Coaching and Administration**

This course focuses on understanding basic coaching/administrative principles and philosophies for sports and athletics. It emphasizes the interscholastic and intercollegiate experiences. Students explore a wide range of topics related to the current issues and trends in athletic coaching and administration.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3041 Special Event Protocol**

Students in this course examine the specifics of social and professional business etiquette and the event protocol. Official protocol and the order of precedence for governmental, military and social organizations are investigated as well. The unique challenges presented by official ceremonial events such as state dinners, flag ceremonies, inaugurations, dedications, graduations, parades, state and military funerals, and memorial services, etc. are discussed, and students formulate effective strategies for managing such events.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3042 Weddings & Ceremonies**

This course examines the unique aspects of planning and executing various ceremonial events such as weddings (traditional and nontraditional), bar/bat mitzvahs, quinceanera parties, debutante balls, anniversaries and civilian funerals. Special emphasis is on adapting the traditional event cycle to the challenges presented by these social life-cycle events and the numerous ethnic and religious traditions associated with them. Industry best practices for custom event design including decor, entertainment, catering and budgeting are explored. In addition, strategies for attracting, managing and retaining clients are discussed.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3045 New Media Literacy in Sports, Entertainment and Event Management**

This course develops the skills necessary to proactively interact with mass communication within the sports, entertainment and event industry. Emphasis is on the ethical responsibilities of a spokesperson and the experience needed to communicate to the media in a variety of situations, including the development and creation of a press conference and communicating the brand and image to the consumer base.

Prerequisite(s): ENG1021 or ENG1027, ENG1030.

Offered at Online

3 Semester Credits

### **SEE3055 International Special Event Management**

This upper-level course, taught only on a campus outside of the United States during a term abroad program, focuses on the development, planning and management of international special events. Emphasis is on research and development, site selection, social and cultural issues, marketing and sponsorship, and human resource management. In addition, the challenges presented by producing an event in a non-domestic venue are explored in detail.

Prerequisite(s): EVNT2020, must be accepted in Study Abroad program.

Offered at Charlotte, Providence

6 Semester Credits

### **SEE3060 Concert, Tour and Music Festival Production Management**

This course focuses on event and concert tour production. Emphasis is on managing a show on stage, back stage and on the road. In addition, tools for set building, lighting, sculpting sound with microphones and mixers, reviewing basic electrical formula, performance contracts, technical riders and a production checklist are explored.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SEE3065 Fundamentals of Fundraising and Philanthropy**

This course is designed to explore the role fundraising and philanthropy can play in the success of the nonprofit and voluntary sectors of industry. Focus is on acquiring a sound knowledge base pertaining to sponsorship opportunities, grants, campaigns (capital and annual), planned giving and corporate partnerships. In particular, the course addresses the most effective strategies for leveraging such affiliations so that organizations achieve their funding goals.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3120 Fitness and Wellness Center Management**

This course focuses on the skills necessary to manage a fitness and wellness center. Emphasis is on the development and design of the facility layout, daily operations, and fitness/wellness programs located in private, public, corporate, hotel, resort, university and recreational facilities. Students learn program development skills necessary to operate and manage a fitness/wellness facility. A Directed Experiential Education (DEE) opportunity may be incorporated into this course. DEE opportunities are based on project availability with community partners and student eligibility.

Offered at Online, Providence

3 Semester Credits

**SEE3150 Television and Movie Production Management**

Students examine the creative, organizational and managerial processes involved in the development, creation and promotion of film, television and other forms of visual media. Emphasis is on legal issues and agreements, scheduling, budgeting and all aspects of production management.

Prerequisite(s): SEE2030.

Offered at Charlotte, Providence

3 Semester Credits

**SEE3170 International Exhibitions & Events**

This course is designed to give students practical experience in developing a trade show or exhibition with special emphasis on pre-planning, budget preparation, advertising and/or public relations and exhibit setup, including exhibit registration, booth accommodations and assignments, draping, audiovisual, programming and wrap-up. This course also has an experiential learning component.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Providence

3 Semester Credits

**SEE3850 Negotiations and Agreements in Hospitality, Sports, Entertainment and Event Management**

This course explores the theory and practice of negotiations within the sports, entertainment, event, hotel, tourism and food service industries. Topics include discussion and presentation of the skills necessary to be a successful negotiator of agreements and contracts within the hospitality industry domestically and internationally. This course also explores labor relations and articulates the union/management negotiation process, including collective bargaining.

Prerequisite(s): LAW2001 or LAW2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE3860 Relationship Management: Sales, Sponsorship and Negotiations**

This course explores the theory and practice of negotiations within the areas of sports, entertainment and events. Topics include discussion and presentation of the skills necessary to be a successful negotiator of agreements and contracts. Students explore the procedures and tactics necessary to define, target, attract, secure and retain corporate sponsors within the SEEM marketplace. Throughout the course students practice effective negotiation and sales strategies and analyze the impact of relationship management.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE4020 Sports and Entertainment Marketing**

This course exposes students to marketing concepts relating to the sports and entertainment industries. It addresses various products, consumer markets, strategic market analysis and valuation within the sports/entertainment industries. Major topics include the negotiation process, promotions, public relations, market research and sponsorships.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE4050 International Sports, Entertainment, Event and Venue Management**

This course is designed to encapsulate the student's sports, entertainment and event management academic experience. Students apply critical thinking and problem solving skills to current and potential sports, entertainment, event and venue industry issues. Emphasis is on applying managerial principles, professional communication and ethical practices within national and international venues and events.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE4060 Sports/Entertainment/Event Management Seminar**

This senior-level course is designed to provide insight into the policy formulation and strategic management of recreation/leisure and sports/entertainment/event services. Utilizing case studies, realism is introduced into the classroom, improving the critical thinking and decision-making abilities of the student.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SEE4070 Live Entertainment and Concert Tour Management**

In this course focused on tour management in the live entertainment industry, advanced study into the business of touring entertainment entities and related intermediaries is explored. Situated in client representation, students engage in micro- and macro-level analysis of an entertainer's career with a focus on live touring. Course content focuses on decision-making, relationship management, negotiations, licensing, partnerships, and overall communication to stakeholders in the entertainment industry. Through case study analysis and examination of legal, financial and marketing norms in the entertainment industry, students not only gain experience in the management of live entertainment, but also explore the scope of career opportunities in this area.

Prerequisite(s): Junior status.

Offered at Providence

3 Semester Credits

**SEE6000 Event Leadership and Planning**

This advanced course enables students to gain competence in the event management and planning process. Topics include research, design, planning, coordinating and evaluating events. Students gain knowledge of different event management models used by event leaders. Students also have the opportunity to assess the legal, ethical and risk management issues involved in the event management profession.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

**SEE6020 Event Operations & Risk Management**

This advanced course enables students to gain competence in the specific risk management, risk operations, risk assessment, planning and evaluative techniques used by professional event leaders to mitigate risk proactively. Students gain knowledge in risk management, risk operations, risk assessment, avoidance, planning and control of risk associated with events, and explore methods for eliminating, reducing and transferring these risks to improve the successful outcomes of their events. Students gain proficiency in assessing risk operations, understanding the liabilities of conducting an event, contract law, contractual responsibilities in planning and implementing an event, either for one's own organization, or acting as an agent on a fee-for-service basis.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

**SEE6040 Sustainable Event Management**

This course is designed to explore the pillars of sustainable event management solutions and their impact on large-scale live events. Analysis of sustainable event management areas such as energy, transport, water, and waste supply chains and their impact on live events are investigated. The purchasing processes as well as the use of products with low carbon footprints and their impact on the live event are explored.

Prerequisite(s): Completion of required foundation courses.

Offered at Online, Providence

3 Semester Credits

**SEE6060 Negotiations for Event Management**

This advanced course allows students to explore negotiation techniques in the event management process. Topics include sponsorship, sales, negotiations and contracting. Exposure to venue, food and beverage, speaker, and entertainment procurement, negotiations, contracting and management takes place. Examination is conducted on events, domestically and internationally, within both corporate and private sectors. This course also explores labor relations as it applies to event management.

Offered at Online, Providence

3 Semester Credits

**SFS1001 Introduction to Food Systems**

This course explores the food system — a complex and adaptive network entangled within social, political, economic and natural environments at multiple levels. It includes investigations into the history of the system, as well as the effects of industrialization, globalization, and climate change. Students in this course also research food commodities, tracing their pathway from production to consumption throughout the local, regional and international food web. Further, students survey and debate alternative food production systems and critically analyze wicked problems related to food, health, economy, people, planet, policy and justice.

Offered at Charlotte, Providence

3 Semester Credits

**SFS2001 Introduction to Plant-based Cuisine**

Students explore the historical and geographical foundations of the plant-based cuisine movement, as well as modern consumer and dietary trends. Learners also apply hands-on experiential learning in the kitchen to develop plant-based casual cuisine concepts and chef-driven dishes which meet consumer expectations. The compatibility of plant-based cuisine with the sustainability of the environment, people and the economy are examined, while myths and common stigmas are investigated.

Prerequisite(s): This course is reserved for special industry partner programs.

Offered at Online

3 Semester Credits

**SFS2110 Culinary Science, Nutrition & Sensory Analysis**

This course introduces students to the basic functions of ingredients, macronutrients and cooking processes. Students conduct experiments and think critically to compare, contrast and evaluate how ingredients change through the use of various cooking techniques. This course explores dietary guidelines, recipe modification, ingredient substitution, and problem-solving in the kitchen. Emphasis is placed on the sensory evaluation of food, the development and use of sensory terminology, approaches to healthful plate design, and real-world restaurant applications. Sections of this course offered online are reserved for students in special industry partner programs.

Prerequisite(s): CUL1100, BPA2720 or (CUL1200, CUL1310, CUL1420) or (CUL1210, CUL1320, CUL1410).

Offered at Charlotte, Online, Providence

3 Semester Credits

**SFS2210 Cooking from the Farmstand**

This culinary lab explores the farm-to-table movement, investigating the connections between public health and the local food system. Students create meals focused on wellness, authenticity, accessibility, appeal and traceability. Special topics include localizing the menu, menu decolonization, mindful eating, farm-to-table formats, and sustainable food production.

Prerequisite(s): BPA2720 (or concurrent) or (CUL1100, CUL1210, CUL1320, CUL1410).

Offered at Charlotte, Providence

3 Semester Credits

**SFS2410 Growing for the Menu**

Students explore agricultural approaches to food production to promote systemic changes in the food system and to foster an environmentally sustainable land ethic. While considering community food security, cultural foodways are studied as students apply menu and garden planning in the growing and production of food from farm to plate. Unsustainability within industrialized agriculture is researched while potential solutions are investigated.

Offered at Charlotte, Providence

3 Semester Credits

**SFS2411 Cooking for Regenerative Foodways**

This course offers a critical investigation into the cultural, social, economic and historical practices relating to production, preparation, consumption, and power struggles associated with food. Students explore local and global foodscapes to inspect the contemporary cultural and ethical ramifications of food choice, food advocacy, and social justice through cooking.

Prerequisite(s): BPA2720 (or concurrent) or (CUL1100, CUL1210, CUL1320, CUL1410).

Offered at Charlotte, Providence

3 Semester Credits

**SFS3001 Sustainability in the Culinary Kitchen**

This course defines and explores food sustainability through hands-on experiences with local food producers and artisans. It examines the roles and responsibilities of chefs and food service professionals as they relate to sustainable food systems. Students research the local, national, and global economic, agricultural, political and ethical issues regarding the sourcing, use and disposal of foods.

Offered at Charlotte, Providence

3 Semester Credits

**SFS3002 Ancient Grains and Hearth Breads**

This course takes students on a whole-grain baking and cooking journey. Properties and characteristics of ingredients, the baker's percentage system, and the fundamentals of yeasted bread production, including mixing techniques, controlled fermentation, and baking methodology are studied. Students culture their own naturally leavened sourdough starter and use it to bake sourdough breads. The history of grains and milling are also examined, as well as today's farmer/miller/baker relationships and their role in society and the beverage industry. The emphasis on grains includes traditional and modern culinary applications. Products include, but are not limited to, yeasted breads, naturally leavened breads, leavened and unleavened whole-grain savory snacks, grain salads, sprouted grain items, and a survey of regional pizza.

Prerequisite(s): Completion of all freshman culinary or baking labs.

Offered at Charlotte, Providence

3 Semester Credits

**SFS3144 Farm to Table Desserts**

This course focuses on the creation of plated desserts centered around seasonal produce and artisan products from a modern perspective. Emphasis is placed on incorporating local fruits and vegetables, whole grains, and artisan items by using fundamental and innovative pastry techniques. Students also explore extending the seasonality of desserts through food preservation methods and apply their knowledge by creating and executing a contemporary multi-course dessert tasting menu.

Prerequisite(s): Completion of all freshman culinary or baking labs.

Offered at Charlotte, Providence

3 Semester Credits

**SFS3200 Plant-Based Cuisine**

Daily production focuses on the types, preparation and nutritional aspects of plant-based foods, diets and cuisines ranging from vegetarian to meat-minimalistic. Students investigate the reasons why people choose plant-based diets and how to prepare and market plant-based menu items across various cuisine concepts. Topics include cultural and global perspectives, economics, health, growing conditions, farm-to-table cuisine, sustainability, and current industry trends.

Prerequisite(s): BPA2720 or completion of all freshman culinary labs.

Offered at Charlotte, Providence

3 Semester Credits

**SFS3244 Cuisine & Culture of the Mediterranean**

This course introduces students to Mediterranean cuisine and culture through innovative experiential educational activities via study abroad. Guided by resident specialists, students explore archaeological and historical sites, nature reserves, organic farms, vineyards, farmers' markets, village ports, taverns, bakeries and artisan food production facilities. Students also participate in cooking classes taught by regional and provincial chefs. Through activities and exploration of Mediterranean foodways, students engage with local communities to learn how culture, community and cuisine intersect.

Prerequisite(s): ENG1020 or ENG1024 or English placement or instructor approval.

Offered at Charlotte, Providence

3 Semester Credits



**SFS3254 Mediterranean Breads, Pastries & Sweets**

This course introduces students to Mediterranean breads, pastries and sweets through innovative experiential educational activities via study abroad. Students examine how distinction in foodstuffs are shaped by cultural influences, and consider the notion of authenticity as it relates to regional specialties. The concept of artisan is explored and its association to time-honored methods employed in traditional foods. Students gain knowledge through participating and observing methods and techniques employed in traditional breads, pastries and sweets by local artisans. This course is open to students from any discipline that would like to explore foodways via study abroad.

Prerequisite(s): ENG1020 or ENG1024 or English placement or instructor approval.

Offered at Charlotte, Providence

3 Semester Credits

**SFS3260 Food System Journeys**

Students enrolled in Food System Journeys engage in experiential learning while exploring the complexities within the global food system through curated food system tours that include agricultural, food distribution, food retail, restaurant, governmental and nonprofit organizations. Students gain valuable applied experience while making connections across the food system, learning about the challenges and nuances involved in producing food and how their actions influence the system. Additionally, through problem-based learning and reflective assignments, students gain greater insight into systemic issues related to building a more resilient and regenerative food system and how their actions in the food system can help create a more sustainable food future.

Prerequisite(s): SFS1001 or SFS3001 or department chair approval.

Offered at Charlotte, Providence

3 Semester Credits

**SFS3300 Conscious Cuisine**

Students employ techniques of advanced food preparation while researching, adapting, designing and producing full-flavored, locally sourced, sustainable recipes and menus. The ability to articulate how these dishes are connected to local farms, locally raised animals and surrounding waters is demonstrated. Food cost and food waste management are emphasized, including product use and cross utilization, such as snout-to-tail cookery, and the production of artisan charcuterie and condiment products.

Prerequisite(s): BPA2720 or completion of all freshman culinary labs.

Offered at Charlotte, Providence

3 Semester Credits

**SFS4001 Cultivating Local Food Systems**

Students explore the correlation between food policy and its impact on a local food system, as well as apply sustainability principles through collaboration with local food-connected organizations. Emphasis is placed on building relationships within the community, and in exploring ecological and socio-economic impacts. Students investigate governmental, nonprofit and other organizations to evaluate the influence of sustainability concepts on their mission and work. Insight into food policy and food justice, combined with a comprehensive sustainability plan, afford students the ability to evaluate the vitality and the promotion of a local food system.

Prerequisite(s): SFS3001.

Offered at Charlotte, Providence

3 Semester Credits

**SFS4110 Health & the Harvest**

Students explore the correlation between health, wellness and the vitality of a local food system. Emphasis is placed on designing full-flavored recipes and menus that align with current dietary guidelines, support the local food system and meet the expectations of today's consumer. Advanced techniques of nutritionally sound food preparation as reflected in current research are discussed and practiced.

Prerequisite(s): CULN3155 or SFS3001.

Offered at Charlotte, Providence

3 Semester Credits

**SFS4280 Capstone Seminar in Sustainable Food Systems**

This capstone seminar is the culmination of the learning experiences and skills students have acquired throughout the course of their Sustainable Food Systems program. Students develop a research thesis and professional portfolio in preparation for practicing sustainable food system policy in a variety of professional settings and graduate school programs. The emphasis of this research/professional seminar is three-fold: 1) to support students in designing and making operational a research project, 2) to produce a portfolio and professional development plan, and 3) to write an effectively articulated research thesis. Students engage in ongoing peer-review and consultation sessions with the purpose of encouraging a resourcefulness-approach to professionalism and personal skills enhancement, both in future career and academic pursuits. Throughout the seminar, emphasis is on supporting students to conceive of and articulate the applicability of their acquired skills and program-related experiences to their developing career and future study.

Prerequisite(s): HSC1230, PSCI1001, SFS1001, (SFS3001 or CUL3250).

Offered at Charlotte, Providence

3 Semester Credits

**SOC1001 Sociology I**

This course provides an introduction to sociology with the focus of study on how humans interact within a society, both as individuals and in groups. Emphasis is placed on sociological methods and perspectives/paradigms.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SOC2005 Honors Seminar: Social Inequalities**

Gender, race, class: Have you ever wondered about the extent of those inequalities today? How are inequalities accomplished and maintained?

This honors seminar serves as an introduction to sociology with a focus on the inequalities of race, gender and especially class. The operations of these inequalities are studied at both the micro, person-to-person level and the macro, institutional level. Students make use of both qualitative and quantitative research methods to explore how the micro and macro levels of analysis connect, and also how race, class and gender intersect.

Prerequisite(s): ENG1024 or English placement, honors or SHARP status.

Offered at Charlotte, Providence

3 Semester Credits

**SOC2010 Sociology of Digital Environments**

This course provides an introduction to the digital world as both a setting of social interaction and as a social and historical phenomenon. Attention is given to the ways that virtuality has both transformed and been influenced by other institutional domains such as family, media, art and work. This focus on the digital world advances students' sociological understanding of the human experience.

Offered at Charlotte

3 Semester Credits

**SOC2035 Sociology of Aging**

Aging is a lifelong process that affects individuals, families and cultures across the globe. It encompasses a multitude of dimensions — physiological, emotional, cognitive, economic and interpersonal — that influence a person's physical and social well-being. This course examines aging from multiple perspectives and addresses the roles that individuals, families, service industries and government play in attempting to meet the needs of this growing population.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

**SOC2050 Cultures of Africa**

This course gives students a grounding in the cultures of Sub-Saharan Africa. Students consider how the lives of Africans have been shaped by many forces: geographic, economic, religious, historical, political, linguistic and social.

Students become more familiar with many Sub-Saharan African cultures by examining films, television programs, literature and newspapers from around the continent, in addition to more traditional academic sources.

Offered at Charlotte, Providence

3 Semester Credits

**SOC2070 Social Issues in Contemporary America**

This course is designed to provide the student with a realistic understanding of contemporary social issues. The course focuses on the origins, nature and interrelationships between the various topics. Students are encouraged to consider people and conditions in society that pose problems, and to attempt to develop solutions to those problems.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Charlotte, Online

3 Semester Credits

**SOC2100 Sociology of the Family**

This course introduces students to the sociological investigation of the core institution of family. Emphasis is on social, cultural, political and economic forces on family systems and to changes in family life and family structure both in the United States and globally.

Offered at Providence

3 Semester Credits

**SOC3020 Culture and Food**

This course is on the sociology of food. Students think and rethink the place of food in the human experience and consider topics such as how food and gender intersect, symbolic group boundaries affect how people eat and drink, and cultures share and adapt each other's foods. Students explore how the discipline of sociology examines food as a cultural and social artifact and the role that it plays in societies today.

Prerequisite(s): ENG1020 or ENG1024 or English Placement or SOC1001 or SOC2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SOC3060 Deviant Behavior**

The purpose of this course is to provide students with a clear understanding of the nature and meaning of deviance. Students learn what is considered the norm in society, what is outside the norm, and how each is relative in nature. Theoretical explanations, cross cultural references and in depth analyses of deviant behavior are studied from the three dominant sociological paradigms. Who defines deviance, what is deviant, why deviance persists, the effect of labels, and the personal and social effects of deviance are discussed.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SOC3100 Sociology of Race and Ethnicity**

This course confronts the questions of whether every person has both a race and an ethnicity, if these "memberships" matter more in some people's lives than others, and why there is conflict sometimes about what the groups are and who belongs where. Focus is primarily on the United States, but global migration is an important part of the story both in the nation's founding and today as national borders greet global citizens with mixed results. Rather than a survey that characterizes one racial-ethnic group after another, this course emphasizes the social construction of races and ethnicities as historically specific, relational and changeable.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Providence

3 Semester Credits

**SOC3200 Environmental Sociology**

This course explores the relationships between society and the environment. It investigates how sociologists and others analyze human-nature interactions. Focus is on how environmental factors such as regional climate change, toxins, availability of resources and natural disasters have shaped social phenomena and how human activities have impacted biological systems and the physical environment. Students investigate the social structures and institutions in our society affecting environmental quality at the local, national and global levels. This course also assesses relevant characteristics of society such as intersecting inequalities, types of environmental movements and social change.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Online, Providence

3 Semester Credits

**SOC3300 Gender in Global Perspective**

This course explores the ways in which gender is distinctly socially constructed in societies and places across the globe. Emphasis is on the social factors that shape gender relations and make ideas about gender different in one place from another. Exploring how the elements of everyday life and society interact (culture, economics, politics, history and religion), this course investigates the performances of gender roles and the expectations that align with them. The social construct of the binary idea of gender is challenged in human terms, from both biological and socio-cultural perspectives. This course also uses case studies of various gender relations internationally to explore the many contexts in which ideas, scripts and performances of gender occur.

Prerequisite(s): SOC1001 or SOC2005.

Offered at Providence

3 Semester Credits

**SOC5030 The Global Food System**

This interdisciplinary course provides students with an overview of food systems characteristics, exploring how local and regional influences compare with those occurring at the global level. Exploration of major historical developments in the food systems of the past 500 years occurs in order to comprehend how they are influenced by social, political, economic and ecological environments. Students explore the complexities and diversity of the global food system identifying potential challenges facing producers, consumers and policy makers. Aspects of the global food system are examined in the context of a variety of environmental and social challenges ranging from sustainability, climate change and ecosystem degradation to rising rates of obesity and malnutrition. Students debate the challenges of providing a modern food system that can sustain a growing global population living in the midst of increasingly post-industrial societies.

Offered at Providence

3 Semester Credits

**SPAN1001 Conversational Spanish I**

This course is an introduction to the Spanish language with emphasis on vocabulary acquisition, basic grammar construction and oral communications. Students who have studied more than one year of this language are required to take the foreign language placement exam.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPAN1002 Conversational Spanish II**

This lower, intermediate-level course is designed to further develop conversational ability by expanding both the vocabulary and the exposure to Spanish-speaking cultures. Emphasis is on advanced verb forms and idiomatic expressions.

Prerequisite(s): SPAN1001 or language placement.

Offered at Providence

3 Semester Credits

**SPAN2020 Spanish Language Immersion**

This course, delivered overseas by international language institutes, is designed to develop both fluency in the target language and an in-depth understanding of the historical cultural contexts in which the language is spoken. Students acquire vocabulary through classroom lectures, discussions, required excursions and activities. Students also partner with native speakers of the target language to improve comprehension and communication skills.

Offered at Charlotte, Providence

6 Semester Credits

**SPED5110 Inclusive Teaching of Exceptional Learners**

This course examines the theoretical perspectives, general procedures, federal law and Rhode Island regulations of educating students with exceptionalities in today's schools. Special attention is given to the inclusion of students with exceptionalities in the regular classroom to ensure access to high quality teaching and learning. Parent involvement and advocacy are examined. Participants gain experience and understanding that inclusive practices are intricate and collaborative work through their lab experience and course content. Participants gain knowledge of the characteristics and needs of all students, including gifted and talented students and those from diverse backgrounds.

Offered at Providence

3 Semester Credits

**SPED5120 Assessment and Evaluation of Exceptional Learners**

Teacher candidates learn the steps in the special education referral and evaluation process as delineated by federal and state regulations. Students use methods and tools of structured observations, determine appropriate assessments, present and discuss test results as part of an evaluation team, and collaboratively develop an Individualized Education Plan (IEP) for students with disabilities, including vocational opportunities for secondary students. Participants learn the role of the special educator as advocate throughout these processes and the necessity of maintaining confidentiality. Use of informal strategies (i.e., running records, IRI, analysis of writing and work samples) is emphasized as part of a comprehensive, problem-solving and decision-making evaluation system that systematically monitors student progress. Students employ technology and formal and informal assessment measures to determine eligibility and to develop the IEP.

Prerequisite(s): SPED5110.

Offered at Providence

3 Semester Credits

**SPED5150 Curriculum and Methods for Exceptional Learners**

Students in this course learn to develop and implement Individual Education Plans (IEPs) for K–12 students. Teacher candidates use data and team participation to develop a legally compliant, effective IEP to ensure each student is provided a Free Appropriate Public Education (FAPE) in their Least Restrictive Environment (LRE). Teacher candidates develop the tools necessary to provide services to implement the IEP in a variety of settings. They learn to adapt curriculum, materials, instruction and environments to meet the individual needs of each of their students. They also learn methods to collect data to monitor student progress toward IEP goals and to report that data to parents.

Prerequisite(s): SPED5120.

Offered at Providence

3 Semester Credits

**SPED5310 Partnerships: Home, School, Community**

This course prepares participants to effectively collaborate with families, educators, related service providers, and personnel from community agencies in culturally responsive ways, particularly as it relates to the IEP process. Participants are taught to focus on the role of the family as addressed by federal and state laws and to work through the special education process of referrals, evaluations, Individual Education Plans (IEPs), and transitions of individuals with exceptional learning needs. Participants explore and develop transition plans for students with exceptionalities and they learn the role of the special educator as student advocate and facilitator of collaboration. An important focus of the course is to identify effective strategies to enhance communication and collaboration among families, school staff and community resources.

Prerequisite(s): SPED5120.

Offered at Providence

3 Semester Credits

**SPED6110 Understanding and Managing Behavior in a Diverse Classroom**

This course examines the fundamentals of classroom management and student behavior that are critical to successful learning environments, social interactions and student achievement. The course presents research and effective strategies for developing and maintaining appropriate standards of behavior, classroom organization, management, and optimal use of learning time. Additionally, it addresses the social, emotional and behavioral aspects of working with exceptional learners. A range of social, emotional, behavioral and psycho-educational theories and interventions are examined and discussed.

Prerequisite(s): SPED5120.

Offered at Providence

3 Semester Credits

**SPED6400 Specialized Instruction**

This course explores research-based and data-driven instructional methodologies and approaches to address the unique needs of exceptional learners. Providing an appropriate education to children with exceptional needs is a responsibility addressed and defined in the 2017 Andrew F. Supreme Court decision. Participants learn how to connect student assessment data, IEP goals and objectives, high-leverage instructional practices and ongoing progress monitoring to ensure meaningful progress toward achieving grade-level standards in an inclusive (or otherwise least restrictive) setting. Special attention is given to instruction in reading, writing and mathematics. Participants review case studies to determine, plan, implement and monitor the effectiveness of specialized instruction in the practicum setting under the supervision of certified professional staff. A comprehensive review of available online and other professional resources to guide instructional decisions is also explored.

Prerequisite(s): SPED5150.

Offered at Providence

3 Semester Credits

**SPED6915 Student Teaching Part 1: Elementary Special Education**

Students in this course spend 30 school days in a special education teaching situation at a public elementary (grades 1–6) or middle school (grades 4–6) site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the certified school site clinical special educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards, and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED5150.

Offered at Providence

3 Semester Credits

**SPED6925 Student Teaching Part 2: Elementary Special Education**

Students in this course continue the Student Teaching Part 1: Elementary Special Education placement in a supervised teaching situation at a public elementary (grades 1–6) or middle school (grades 4–6) site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards, and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED6915.

Offered at Providence

3 Semester Credits

**SPED6935 Student Teaching Part 1: Secondary Special Education**

Students in this course spend 30 school days in a supervised teaching situation at a public secondary school site. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site clinical special educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards, and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED5150.

Offered at Providence

3 Semester Credits

### **SPED6945 Student Teaching Part 2: Secondary Special Education**

Students in this course continue the Student Teaching Part 1: Secondary Special Education placement in a supervised teaching situation at a public secondary school site for an additional 30 school days. During student teaching, students plan and implement lessons and perform other related tasks under the supervision of the school site certified clinical educator, university supervisor and professional M.A.T. program staff. Through their work at the school site, students demonstrate their understanding of the Rhode Island Professional Teaching Standards, Council for Exceptional Children (CEC) Standards and applicable content standards, as well as any other professional standards or guidelines in force in the field. Periodic evaluations and specific feedback guide the learning. From time-to-time, students participate in ad hoc seminars related to their student teaching experience. Note: In order to fully meet program requirements, students must complete both Part 1 and Part 2 of this placement.

Prerequisite(s): SPED6935.

Offered at Providence

3 Semester Credits

### **SPL5100 Sports and Entertainment Venues & Events, Development and Management**

This graduate-level course focuses on the leadership required to develop and effectively manage entertainment and sports venues and events, as well as analyze and successfully implement best practices required in a uniquely time sensitive environment.

Offered at Online, Providence

3 Semester Credits

### **SPL6010 Finance and Revenue Generation in Sport**

This course reviews revenue generation, skills and techniques needed to succeed in the ever-changing industry of sports. The course focuses on advanced sport sponsorship design and strategies in addition to a comprehensive overview of the revenue generating streams of ticket sales, concession sales and merchandise sales for various sport organizations. The course also offers a conceptual framework for the planning, development, management and implementation of sport fundraising events.

Offered at Online, Providence

3 Semester Credits

### **SPL6030 Global Issues in Sport Leadership**

This upper-level graduate course explores sociological concepts of how sports and sport participation impact the lives of individuals and groups in a society. Students explore several significant contemporary sport sociology issues, including drug abuse, race, ethnicity, gender inequity, ethics, gambling and violence. To increase their sociological understanding of sport, students identify and discuss sociological perspectives about the components of sport and physical activity.

Offered at Online, Providence

3 Semester Credits

### **SPL6050 Contemporary Leadership Strategies in Sport**

This course investigates leadership strategies in sport. Focus is on leadership theories and practices and their applications to the sport industry. The content of the course includes an exploration of problem solving, serving in leadership positions and training others to serve in sports organizations.

Offered at Online, Providence

3 Semester Credits

### **SPL6070 Effective Communication Strategies in Sport**

This course focuses on implementing effective communication strategies when leading an organization within the sports industry. Emphasis is placed on the variety of communication methodologies and vehicles that can be leveraged to create positive results when leading a sports organization. This course examines both internal and external communications strategies aimed at achieving positive results within a fast-paced and continually shifting global sports community.

Offered at Online, Providence

3 Semester Credits

### **SPL6120 Diversity and Social Responsibility in Sport**

This course explores common questions and issues about sport and its relation to society through various sociological and cultural lenses. The course provides the foundations for examining the multifaceted roles of sport and physical activity in society and for studying sport from a critical perspective. Students also understand and evaluate the sociocultural issues raised by sport and relate these themes to their own lives. Through this in-depth examination of sociocultural issues, students are able to understand and appreciate the development of sport as a part and reflection of the development of society.

Offered at Online, Providence

3 Semester Credits

### **SPL6150 Advanced Marketing Methods in Sport**

This course focuses on the techniques for formulating strategic marketing and promotional applications for a diverse array of sports organizations. Emphasis is placed on the use of analytics as well as both quantitative and qualitative data to drive key business decisions. Topics discussed include licensing rights, sales proposal development, sponsor solicitation, new business development, endorsements and merchandising, commercialization of technology and corporate partnerships. Students examine case studies in order to discern key marketing concepts and strategies.

Prerequisite(s): 15 credits completed in Sport Leadership major courses.

Offered at Online, Providence

3 Semester Credits

### **SPM1001 Introduction to Sport Management**

This course introduces students to the sports management industry. Emphasis is on the historical development, organizational structure, use of segments of the sports industry, and career opportunities that exist within the sports management industry. The course is also designed to provide first-year and transfer students in the Sports Management program with educational experiences and information about university resources and academic tools available to them that will help support academic success at JWU.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SPM1020 Managing Sport Events**

This course is designed to familiarize students with principles and practices related to effective sport event management. The coursework approaches sport event management from a practical standpoint, integrating theory to support suggestions for practice while students move through the entire process of organizing sport events, from event conception through post event evaluation.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SPM1040 Principles of Sport Management**

This course provides a comprehensive overview of management topics with an in-depth focus on how to manage sport organizations. Thorough coverage of the principles of management concepts, combined with robust sport applications and exercises, develop sport management skills which students can use in both their personal and professional lives.

Prerequisite(s): SPM1001 (or concurrent).

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SPM2012 Intercollegiate, Amateur and Olympic Sports**

This course explores the history, business, structure, philosophy, and issues/trends of intercollegiate, amateur and Olympic sports. Focus is on acquiring knowledge pertaining to events, legal and ethical aspects, current trends/issues, venues, and economics of intercollegiate, amateur and Olympic sports. Course content focuses on the comprehensive nature of intercollegiate, amateur, youth, recreational, interscholastic and Olympic sports.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

### **SPM2220 Professional Sport Management**

This course focuses on the management and issues related to professional sports enterprises. Emphasis is placed on the theoretical foundations of professional sports and the application of management principles in the industry.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM3002 Economics and Finance of Sport**

Economics and financial markets impact all areas of sport. Students explore the relationships that exist between economics and the business aspects of sport. Topics include attendance and attendance modeling, salary structure and salary caps, and financing stadia. The course also investigates private-versus-public financing of sports teams and venues.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM3031 Sport Compliance, Governance and Regulation**

This course explores the myriad of rules and regulations in sport, and how the role of compliance affects sport organizations. Students learn how sport industry professionals help shape, react to, and operate under the regulatory structures of various sport organizations. Emphasis is placed on investigation of NCAA and North American professional sport organizations.

Prerequisite(s): LAW2001 or LAW2005.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM3040 Global Perspectives of Sport**

Sports extend beyond the United States and national boundaries. This course explores sport from a global perspective by examining various national sport cultures. Students investigate sport participation from around the globe from business, societal and economic perspectives. Other international sporting events and venues are explored.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM3050 Managing Sport Organizations**

This course introduces students to the theory and practice of managing sports organizations. Students examine a range of strategic human resource management approaches that can be used by sports organizations to respond to contemporary challenges and to develop a sustainable performance culture.

Prerequisite(s): Sophomore status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM4010 Sport Marketing & Analytics**

This course exposes students to marketing concepts relating to the sports industry. It addresses various products, consumer markets, strategic market analysis and valuation within the sports industry. The course also looks at the use of analytics for the purposes of marketing and sales in the sports industry.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM4030 Sport in Contemporary Society**

Sports are integrated into society, consumed by spectators and participants around the world. How did sports become so important? This course examines the cultural, social, political, philosophical and psychological aspects of sport history. Students identify, examine and evaluate the role of sport in contemporary society.

Prerequisite(s): Junior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**SPM4060 Innovative Leadership in Sport**

This senior-level capstone course is designed to equip students with contemporary, ethical and innovative leadership strategies in sport. Students gain insight into a variety of leadership styles and competencies that will aid in positioning themselves to assume leadership roles in the sport industry. Students gain a comprehensive understanding of strategies to improve leadership aptitude, including creative problem solving, communicating effectively, managing conflict, inspiring collaboration and teamwork, and shepherding the development of sport organizations.

Prerequisite(s): Senior status.

Offered at Charlotte, Online, Providence

3 Semester Credits

**TECX4099 College of Engineering & Design Internship**

This course allows students enrolled in the College of Engineering & Design the opportunity to engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through this internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.

Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA and 2) have completed 90 hours of course work.

Offered at Charlotte, Online, Providence

3-12 Semester Credits

**TECX4190 Technical Solutions Design Project**

The Technical Solutions Design Project offers students an intensive, semester-long, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a design idea or technical problem resolution to create and complete a functional product or project which includes real-world constraints and considers industry standards and codes. Students work independently on a design or technical problem resolution or in project teams to apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities and refine critical thinking, problem solving skills and project management skills. Students submit their work for regular phase reviews on specific time schedules to monitor project progress, quality and functionality. This course is one of several options in the College of Engineering & Design for students to fulfill their experiential education requirements.

Prerequisite(s): Junior status, Department Chair Approval.

Offered at Charlotte, Providence

3 Semester Credits

**TRVL1105 Adventure, Sport and Nature-Based Tourism**

This course provides the student with a solid foundation of knowledge related to adventure, sport and nature-based tourism and focuses on key considerations necessary for its implementation. The course offers an opportunity for a field project.

Offered at Charlotte, Providence

3 Semester Credits

**TRVL2010 Dynamics of Tourism and Sustainability**

This is a management-oriented course covering the economic, cultural and social functions in the planning and development of the tourism industry. Emphasis is on organizational concepts.

Offered at Charlotte, Online, Providence

3 Semester Credits

**TRVL2040 Travel Sales Management**

This course emphasizes service as an integral part of the selling process. The reciprocal relationship between selling and service is presented within the context of the total travel sales effort.

Prerequisite(s): FSM1001 or HOSP1001 or SEE1001.

Offered at Providence

3 Semester Credits

**TRVL2165 Food Culture and Tourism**

This course introduces students to the significance of food and beverage as it relates to the tourism industry. Students build a fundamental knowledge to effectively communicate with travel/tourism/hospitality planners and food service staff. Emphasis is on linking food, wine and tourism, and the impact related to destination development internationally. This course also examines international service styles, cultural etiquette, food terminology, and basic food and wine pairings.

Offered at Online, Providence

3 Semester Credits

**TRVL2801 World Geography for Tourism and Hospitality**

This course is designed to provide the student with the knowledge and skills necessary to work and travel in a global environment. Students explore both current and emerging destinations from around the world. The course discusses the cultural, recreational and social significance to the traveler and the economy.

Offered at Online, Providence

3 Semester Credits

**TRVL3020 Ecotourism**

This upper-level course explores an emerging dimension of tourism: ecotourism. Students investigate the impact of specific environmental issues on tourism, including water pollution, air pollution, habitat destruction, etc., and focus on the impact of tourism on the physical, biological and cultural environment. The role of the tourism industry as it relates to the provision of ecotourism experiences is also discussed.

Offered at Charlotte, Providence

3 Semester Credits

**TRVL3030 International Policies of Tourism**

This intermediate-level course is designed to provide the student with an increased understanding in the area of international tourism development. Emphasis is placed on the definitive study of the essential components for a successful national tourism program.

Prerequisite(s): TRVL2010 or TRVL3010.

Offered at Online, Providence

3 Semester Credits

**TRVL3035 Tour Management Operations**

This course is designed for students planning careers in tour guiding or tour operations. Topics include tour operations, components of a tour, tour management positions, characteristics of professional tour guides, the psychology of tour management and internal communications. The culmination of this course is a tour to a selected international destination, where each student researches, negotiates and develops a highly anticipated journey.

Prerequisite(s): TRVL3010, junior status.

Offered at Online, Providence

3 Semester Credits

**TRVL3801 Special Topics in Adventure Resort Management**

This course provides the student with a solid foundation of knowledge related to the Adventure Resort and focuses on all aspects of operation and program development. The course offers an opportunity for a field project. Students are required to participate in all off-campus activities with the designated industry partners.

Offered at Providence

3 Semester Credits

**TRVL4010 Tourism Economics**

This upper-level course explores the role of economics in tourism development. Macroeconomic and microeconomic theory are applied to problems of community resource allocation. Particular attention is paid to the problems of multiple use of community resources and to the conflicts between private and public goals.

Prerequisite(s): TRVL3010.

Offered at Online, Providence

3 Semester Credits

**TRVL4011 Destination Management Organization**

This course integrates the administrative functions of a destination management or marketing organization (DMO). The interrelationships of operations, marketing and finance are analyzed and evaluated. A Directed Experiential Education (DEE) opportunity may be an integral part of this course. DEE opportunities are based on project availability with community partners and student eligibility.

Prerequisite(s): HOSP3053 or MRKT1001.

Offered at Online, Providence

3 Semester Credits

**TRVL4035 Leading an Adventure Experience**

This course is designed for students planning careers in adventure, outdoor recreation, sport and ecotourism operations. It equips students with the skills and knowledge to successfully plan, manage and execute an outdoor adventure travel experience. Topics include leadership strategies, risk management, health and wellness, best practices, customer relations, and sustainable practices. Students develop and lead an adventure experience during the course that incorporates these key skills and concepts.

Prerequisite(s): TRVL3035.

Offered at Providence

3 Semester Credits

**TRVL5010 Tourism Principles and Foundations**

This course focuses on major concepts, principles and theories in the tourism industry. Special attention is given to the social, economic and environmental impacts of the tourism industry. The course covers a broad range of topics that relate to the industry, its stakeholders and constituents that shape the nature of the tourism industry and are affected by it.

Offered at Providence

3 Semester Credits

**TRVL5030 Financial Concepts in Sustainable Tourism Development**

This course focuses on major concepts, principles and theories in the financial field of sustainable tourism development. Students examine financial strategies and determine their viability to the economic development of a destination. Financial terminology and concepts are examined and applied to a real life situation.

Offered at Providence

3 Semester Credits

**TRVL5050 Foundation of Consulting for the Tourism Industry**

This course explores the theories of consulting as well as the roles and responsibilities of the consultants. Special attention is paid to the different strategies that may be used in the consulting process. The application of ethical strategies is evaluated and analyzed. Strategies that ensure sustainable growth are evaluated during the term. An assessment of the conditions that determine the need for internal or external consultants are evaluated as well.

Offered at Providence

3 Semester Credits

**TRVL5070 Global Tourism Marketing and Branding**

This course focuses on major concepts, principles and theories in the marketing of tourism products and services. Students focus on the different techniques used in the creation and maintenance of tourism brands. Students analyze marketing concepts and theories involved in the creation of annual and longer term marketing and branding plans.

Offered at Providence

3 Semester Credits

**TRVL5120 Planning for Ethical and Sustainable Tourism Development**

This course focuses on major concepts, principles and theories in the field of ethical economic and sustainable tourism development. This course is designed to assess the involvement of stakeholders in the development of tourism destinations. Students analyze the role of stakeholders in an effort to minimize the negative effects of tourism. Strategies to ensure economic growth and long-term sustainability of tourism development are analyzed and applied.

Offered at Providence

3 Semester Credits

**TRVL5140 Product Development and Innovation in Sustainable Tourism — Shared and Experience Economics**

This course focuses on major concepts, principles and theories in the successful development of tourism products. This course investigates feasibility and the potential for successful development of new tourism products. Life cycle of existing products are assessed with the goal of extending it for longer than the usual cycle. New products are evaluated for their ability and inability to sustain their appeal for the long run. Trends in tourism product development, and "shared" and the "experience" economy are examined.

Offered at Providence

3 Semester Credits

**TRVL5210 Tourism Economics**

This course examines the role of economics in sustainable tourism and economic development. Macroeconomics and microeconomics are used to analyze and explain economic activities and scenarios in the tourism industry. Course content includes the relationship between supply and demand, consumer behavior and government economic policies, and their impact on the tourism industry. Emphasis is placed on the role of government in facilitating tourism and economic development.

Offered at Providence

3 Semester Credits

**TRVL6100 Applied Research Methods in Sustainable Tourism Development**

This course focuses on major concepts, principles and theories in tourism research. Literature analysis, data collection, analysis of data and producing a report are discussed. This course prepares students to engage in case analysis and evaluate past and current scenarios in quantitative and qualitative research methods.

Offered at Providence

3 Semester Credits

**TRVL6140 International Tourism Development, Economic Issues and Strategic Solutions in the Developing World**

This course is designed to encompass all the principles, theories and policies that are utilized when facing developmental issues. Current conditions and challenges facing the developing world are analyzed. Formulating new strategies and analyzing existing strategies require students to become familiar with current conditions in the developing world.

Offered at Providence

3 Semester Credits

**TRVL6180 International Sustainable Tourism Policy Analysis and Development**

This course incorporates analysis of local, state, country and international tourism policies. Focus is on research, data collection and the formulation of tourism policy. Emphasis is given to the similarities and differences among the variety of tourism policies and their impact on the industry, community and other industry stakeholders. Major trends and challenges for policy creators are examined.

Offered at Providence

3 Semester Credits