

# COLLEGE OF PROFESSIONAL STUDIES

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professionalstudies.syracuse.edu

## About the College

The College of Professional Studies is the home of part-time and professional studies at Syracuse University. The College offers market-sensitive and professionally focused online and on campus undergraduate degrees, graduate degrees, credit certificates, and work-force ready alternative credentials, such as badges, micro-credentials, non-credit certificates, and executive education. The College also offers unique and innovative pre-college programs for high school students, and language and cultural development programs for matriculated and non-matriculated international students. Part-time commuter undergraduate, visiting students, and non-matriculated students and graduate students attending Syracuse University schools and colleges are supported by the College of Professional Studies' commuter Part-time Studies advising team.

The College of Professional Studies provides part-time students with personalized academic advising, financial aid, registration, and bursar services. To find out how you can earn an SU degree part-time or to begin by taking a course, attend an Information Session, call for an appointment with an academic advisor (315-443-3261), or e-mail [parttime@syr.edu](mailto:parttime@syr.edu).

## Undergraduate Programs

### Degrees

College of Professional Studies' Bachelor of Professional Studies (BPS) degrees are innovative, market-sensitive, career-focused programs available online.

All part-time Syracuse University students earning an associate or bachelor's degree may enroll for 11 or fewer credits each semester. Part-time students have the option of taking day, evening, online, or flexible format classes. Click here (<https://parttime.syr.edu/academics/degrees-certificates/undergraduate-degrees-credit-certificate/part-time-undergraduate-degrees/>) for a complete listing of all degree programs available to part-time students.

### Certificates

College of Professional Studies undergraduate and graduate credit certificate programs are available online. All credit certificates are designed as an interim stackable credentials toward degree completion and as stand-alone certificates.

### General Regulations

For academic rules and regulations applying to all University students, see the Academic Rules section of this catalog, which also contains special regulations that apply to College of Professional Studies students. The regulations below apply to all students matriculated through the College of Professional Studies for the Bachelor of Professional Studies degrees, certificates and minors.

## Minimum Requirements for Degree, Certificates and Minors

At least 120 credits of coursework are required for the BPS degrees. To be eligible for graduation, BPS students must attain a minimum grade point average (GPA) of 2.0 in courses taken at Syracuse University. Students must earn a grade point average of at least 2.0 in courses counted toward completion of their program of study.

### Minimum Requirements for Certificate

At least 15 credits of coursework are required for the certificates. To be eligible for graduation, certificate students must attain a minimum grade point average (GPA) of 2.0 in courses taken at Syracuse University. Students must earn a grade point average of at least 2.0 in courses counted toward completion of their certificate.

### Minimum Requirements for Minors

College of Professional Studies minors are open to all Syracuse University undergraduate students in good standing. Minors require a minimum of 18 credit hours, 12 of which must be in 300- to 400-level coursework. No courses may be taken as pass/fail. Students must declare the minor no later than the first semester of junior year. At least 12 upper division credits must be uniquely counted toward the minor. The remaining 6 credits may be shared with the major.

### Declaring a Program of Study

BPS students must declare a program of study by the time they have reached junior standing.

## Prior Learning Assessment for Bachelor of Professional Studies

Under the guidelines of the Council for Adult and Experiential Learning (CAEL), The College of Professional Studies recognizes that adult students may bring with them transfer credits from accredited American colleges and universities, credits from approved institutions in other countries, performance in college-level or proficiency examinations and/or prior college-level learning gained from work and life experiences.

A maximum of 30 credits from the combination of advanced credit, prior learning assessment and/or credits earned through nontraditional programs may be applied toward the number of credits required for graduation. These credits may not be applied to the 30-credit residency requirement. A maximum of 12 transfer or other credits may be applied in the program of study.

Students must be matriculated in a BPS program to apply for prior learning assessment by developing a portfolio of prior college-level learning that identifies and documents the learning and how it applies to the individual's degree program. Further information is available from Office of Online Student Success, 315-443-3256.

### Transfer Credit Policy

A maximum of 90 transfer credits will be accepted, see section 8.2 Transfer Credit in Academic Rules. No more than three credit hours earned in another college or university may be accepted to the credit certificate program requirements.

## Bachelor of Professional Studies

Ryan O. Williams, Senior Associate Dean of Academic Affairs, Professor of Practice, College of Professional Studies, [rywillia@syr.edu](mailto:rywillia@syr.edu)

Bachelor of Professional Studies (BPS) degrees are flexible undergraduate degree designed to bridge practical skills with academic learning. All Syracuse University BPS degrees require professionally focused "major" courses, core professional competency course, and core liberal arts courses.

BPS programs provide the specific skills and credentials employers seek when hiring and promoting employees, equipping graduates with competencies needed to keep pace with evolving workplace demands. The emphasis on professional coursework means students spend more time learning directly applicable workplace skills.

Contact the College of Professional Studies at 315-443-9378, or email [parttime@syr.edu](mailto:parttime@syr.edu) (<https://coursecatalog.syracuse.edu/mqilto:parttime@syr.edu>)

## Office of Microcredentials

Arthur Thomas, Executive Director, Professor of Practice, College of Professional Studies, [apthomas@syr.edu](mailto:apthomas@syr.edu)

The Office of Microcredentials offers non-credit, executive education and continuing education programs that meet the growing demand for non-credit education opportunities as "professionals strive to stay competitive in their fields. For lifelong learning and career advancement, these programs build skills and knowledge in demand by top employers and graduate schools. Microcredential programs are smaller than a full degree program and allow students to meet personalized learning needs by gaining knowledge and skills relevant to academic or professional goals. The Office also administers Syracuse University digital badges, which are representation of specific skills, achievements, or competencies earned and verified, displayed as an image with embedded metadata that proves its authenticity as a Syracuse University credential.

## Office of Pre-College Programs

Chris Cofer, Executive Director, [clcofer@syr.edu](mailto:clcofer@syr.edu)

High school students can explore college majors and potential careers in college-level courses at Syracuse University. In the Accelerated Semester Online program, high school students can take 3-credit 8-week online courses during the academic year. In the Summer College program, high school students are immersed in the full college experience and can choose from 100+ credit and noncredit courses in ten of Syracuse University's schools and colleges. For more information, contact the Office of Pre-College Programs at 315-443-5000 or [precollege@syr.edu](mailto:precollege@syr.edu), and visit <https://precollege.syr.edu/>.

## Office of International Programs

David Lind, Director, [dtlind@syr.edu](mailto:dtlind@syr.edu)

## English Language Institute

English Language Institute (ELI) courses are designed for international students and professionals who are interested in short-term or long-term study to improve their English skills. This full-time intensive program is offered through the College of Professional Studies. Five levels of Academic English courses are offered. Many of the students have been conditionally admitted to Syracuse University and need to increase their English proficiency before enrolling in a degree program. Completion of the level 4 (high intermediate) course will waive the university's TOEFL requirement for most undergraduate and some graduate programs.

Highly qualified instructors, a great deal of personal attention and intensive exposure to English language instruction enable students to

make the necessary progress. Enrollment is limited and admission is by application only. For more information about the ELI, call 315-443-8571, email [elimail@syr.edu](mailto:elimail@syr.edu), or visit the website at [eli.syr.edu](http://eli.syr.edu) (<http://eli.syr.edu>).

## Arthur O. Eve Higher Education Opportunity Program

The Arthur O. Eve Higher Education Opportunity Program (HEOP) for part-time students, administered by the College of Professional Studies, is designed for first-time college students and transfer students from other opportunity programs. It provides academic and financial support for people of all ages who, because of educational and economic circumstances, would otherwise be unable to attend college. This is the only HEOP program for students who can study on a part-time basis in New York State.

For more information on the HEOP program, call 315-443-3261 or visit the web site (<https://parttime.syr.edu/students/prospective-students/heop-program/>).

## Programs

### Major

- AI in Business Process Automation, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/ai-in-business-process-automation-bps/>)
- Applied Data and Predictive Analytics, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/applied-data-predictive-analytics-bps/>)
- Business Management, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/business-management-bps/>)
- Cybersecurity Administration, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/cybersecurity-administration-bps/>)
- Healthcare Administration, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/healthcare-administration-bps/>)
- Interdisciplinary Studies, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/interdisciplinary-studies-bps/>)
- Knowledge Management, BPS (No Longer Admitting Students as of Fall 2025) (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/knowledge-management-bps/>)
- Liberal Arts, AA (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/liberal-arts-aa/>)
- Liberal Studies, BA (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/liberal-studies-ba/>)
- Organizational Development and Leadership, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/creative-leadership-bps/>)
- Policy Studies, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/policy-studies-bps/>)
- Project Management, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/project-management-bps/>)
- Studies in Computer Programming, BPS (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/studies-computer-programming-bps/>)

## Minor

- AI in Business Applications Minor (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/ai-in-business-applications-minor/>)
- Applied Digital Automation Minor (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/applied-digital-automation-minor/>)
- Cannabis Studies Minor (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/cannabis-studies-minor/>)
- Knowledge Management Minor (No Longer Admitting Students as of Fall 2025) (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/knowledge-management-minor/>)
- Organizational Development and Leadership Minor (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/creative-leadership-minor/>)
- Project Management Minor (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/project-management-minor/>)

## Certificate

- AI in Business Applications Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/ai-in-business-applications-certificate/>)
- Applied Digital Automation, Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/applied-digital-automation-certificate/>)
- Cannabis Studies Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/cannabis-studies-certificate/>)
- Cybersecurity Administration, Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/cybersecurity-administration-certificate/>)
- eSport Gaming Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/esport-gaming-certificate/>)
- Full Stack Development Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/full-stack-development-certificate/>)
- Healthcare Administration Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/healthcare-administration-certificate/>)
- Knowledge Management Certificate (No Longer Admitting Students as of Fall 2025) (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/knowledge-management-certificate/>)
- Mobile Application Development Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/mobile-application-development-certificate/>)
- Organizational Development and Leadership Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/creative-leadership-certificate/>)
- Project Management Certificate (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/project-management-certificate/>)

## Faculty

Susan Conklin, Professor of Practice  
MBA, Syracuse University

Michael Frasciello, Dean, Professor of Practice  
Ph.D., Syracuse University

Liz Green, Assistant Teaching Professor  
M.Ed, University at Buffalo

Daniel Hebert, Assistant Teaching Professor  
J.D., University at Buffalo

Katrin Steele, Professor of Practice  
MA, Educational Technology

Judy Teng, Associate Teaching Professor  
Ph.D., State University of New York at Albany

Arthur Thomas, Professor of Practice  
Ph.D., State University of New York (SUNY) at Buffalo

Mirza Tihic, Assistant Teaching Professor  
Ph.D., Syracuse University

Steve Wallace, Professor of Practice  
D.P.S., Pace University

Ryan O. Williams, Associate Dean, Professor of Practice  
Ph.D., Syracuse University

Andrea Willis, Assistant Teaching Professor  
MS, Syracuse University

Austin Zwick, Assistant Teaching Professor  
Ph.D., University of Toronto

## Courses

### Artificial Intelligence Automation

#### AIA 210 Foundations of Digital Automation (3 Credits)

##### Professional Studies

This course is designed to equip students with an understanding of the fundamental concepts of digital automation. The course will explore the convergence of digital technologies with traditional automation processes and highlight the impact of this transformation on industry. Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

#### AIA 216 AI Automation Strategies (3 Credits)

##### Professional Studies

Course is designed to equip students with an understanding of the fundamental concepts of digital automation. Explores the convergence of digital technologies with traditional automation processes, highlights the impact of this transformation on the industry.

#### AIA 316 AI Semantic Data Storage and Integration (3 Credits)

##### Professional Studies

Provides in-depth analysis of semantic data storage and integration within the realm of AI. Covers methodologies, tools, and best practices needed to store, manage, and integrate semantic data effectively to enhance business operations and decision-making.

Prereq: AIA 216

**AIA 328 Predictive Analytics for Digital Automation (3 Credits)***Professional Studies*

The course is designed to provide students with in-depth knowledge and skills in utilizing data analytics techniques applied to Digital Automation.

Prereq: BPS 210

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**AIA 330 Applications and Dashboards in Digital Automation (3 Credits)***Professional Studies*

Provides students with theoretical understanding and hands-on experience designing, implementing, and managing applications and dashboards used in digital automation. Course focuses on how to extract, analyze, visualize, and communicate data effectively for decision-making processes in the digital automation context.

Prereq: BPS 210

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**AIA 340 Process Reengineering using Digital Automation (3 Credits)***Professional Studies*

The course explores various digital automation technologies, their applications in reengineering business processes, and the practical skills needed to implement these technologies effectively.

Prereq: BPS 210

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**AIA 346 AI Applications and Solution Delivery (3 Credits)***Professional Studies*

Course provides an in-depth exploration of AI applications and the process of delivering AI-driven solutions. Covers methodologies, tools, and best practices needed to develop, deploy, and manage AI solutions that add value to business operations.

**AIA 426 Applied AI in Business Systems (3 Credits)***Professional Studies*

Provides an in-depth exploration of the application of artificial intelligence (AI) within various business systems. Covers methodologies, tools, and best practices needed to develop, implement, and manage AI-driven solutions in real-world business solutions.

**AIA 427 Sensor and IoT Data in Digital Automation (3 Credits)***Professional Studies*

This course is focused on understanding the principles and applications of sensor technologies and Internet of Things (IoT) in digital automation. Students will learn how to collect and manage sensor data and use IoT platforms to facilitate smart automation processes.

Prereq: BPS 210

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**AIA 430 Generative AI in Digital Automation (3 Credits)***Professional Studies*

Explore how Generative AI technologies can be leveraged to enhance organizational performance and efficiency. Learn the principles and practices of applying AI in various business scenarios, understanding its potential and limitations, ethical considerations, and its transformative impact on industries.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**Bachelor of Professional Studies****BPS 100 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**BPS 144 Orange Immersion (2 Credits)***Professional Studies*

This course is designed to assist first year and transfer students in developing tools and strategies, gaining insights, and accessing campus resources to ensure success in their degree programs.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**BPS 200 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**BPS 211 Introduction to Professional Studies (3 Credits)***Professional Studies*

Career and academic program planning. Survey of professional skills including meeting facilitation, project budgeting, public speaking, writing, and research skills. Introduces such professional competencies as ethics, diversity, teamwork, negotiation, and decision-making skills. Focus on goals and careers. Sophomore standing.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**BPS 270 Experience Credit (1-6 Credits)***Professional Studies*

Participation in a discipline- or subject-related experience. Students must be evaluated by written or oral reports or an examination. Limited to those in good academic standing. Repeatable

**BPS 290 Independent Study (1-6 Credits)***Professional Studies*

In-depth exploration of a problem or problems. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor or instructors and the department. Repeatable



**BPS 300 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**BPS 315 Practical Financial Management for the Working Professional (3 Credits)***Professional Studies*

Introduction to personal financial management. Emphasis on personal financial decision making, interpreting financial data, budget planning, risk management, retirement and estate planning. Basic financial concepts of time value of money, asset valuation and risk and return. Introduction to the fundamental concepts, techniques and theories for making effective financial decisions. Students may not receive credit for FIN 378 if they receive credit for BPS 315.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**BPS 317 Assertiveness in the Workplace for Professional Studies (3 Credits)***Professional Studies*

Trace the origins of assertiveness theory emanating from psychology, how it evolved, is part of business practice, and relates to managing people in the workforce. A foundation of knowledge and skills to be effective leaders.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**BPS 321 Rhetorical Awareness and the Diverse Workplace (3 Credits)***Professional Studies*

Explore relationships between workplace communication, diversity, and history. Study challenges in verbal, written, and digital communications within diverse work environments, and learn how to develop positive, team-oriented communication practices.

Shared Competencies: Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

**BPS 379 Prior Learning Assessment (3 Credits)***Professional Studies*

This course is designed to assist students in identifying areas of learning that may be evaluated for college-level equivalency. The course guides students through the preparation and compilation of all components required for the evaluation of a prior learning assessment portfolio. Students use critical reflection skills to conceptualize the value of prior learning and its implications for future learning.

Prereq: BPS 211

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**BPS 382 Leading Cooperative Negotiations (3 Credits)***Professional Studies*

Formulate and implement negotiation strategies with reference to fundamental concepts, current research, principles, and business application. Examine case studies and assess strategies in various diverse contexts. Lead and create a personalized negotiation framework.

**BPS 400 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**BPS 411 Senior Seminar (3 Credits)***Professional Studies*

Bachelor of professional studies (B.P.S.) curriculum summary and strategic future decision-making. Objectives: 1) adaptation in a dynamic environment, 2) acquire tools for decision-making, 3) build professional skills for transition to future conditions. Focus on integration of B.P.S. professions.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**BPS 415 Digital and Business Communications for Professional Studies (3 Credits)***Professional Studies*

Practical skills for creating effective business communications, including memos, letters, reports, e-mails and technical documents. Examines format, style, genre and communicating with precision. Includes digital context for web/social media, as well as concisely conveying data for a variety of audiences, including accessibility issues.

Prereq: WRT 205

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**BPS 470 Experience Credit (1-6 Credits)***Professional Studies*

Participation in a discipline- or subject-related experience. Students must be evaluated by written or oral reports or an examination. Limited to those in good academic standing.

Repeatable

**BPS 490 Independent Study (1-6 Credits)***Professional Studies*

In-depth exploration of a problem or problems. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor or instructors and the department.

Repeatable

**Cannabis Studies****CAN 301 Cannabis Business Operations (3 Credits)***Professional Studies*

This course familiarizes students with business operations in the cannabis industry across the entire seed-to-sale cycle. From cultivation, manufacturing, retail, wholesale and human capital management, this course will take a deep dive into the nuances of operating a cannabis company.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**CAN 310 Cannabis Start-ups (3 Credits)***Professional Studies*

Provides a framework for starting a cannabis company, starting with licensing, and moving through each layer of the vertical process.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**CAN 315 Cannabis Law, Policy, and Social Justice (3 Credits)***Professional Studies*

Provides students with insight and knowledge into the policies, laws, and regulations that govern cannabis in the United States. Contemporary and historical perspectives on cannabis policies with emphasis on the implications and effects of government intervention will be covered.

**CAN 320 Cannabis Science and Health (3 Credits)***Professional Studies*

The science of cannabis, understanding the compounds derived from and within the cannabis plant, the impact each has on the body, as well as medical and holistic use of the cannabis extracts, flowers, and other components.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**CAN 325 Cannabis Cultivation (3 Credits)***Professional Studies*

A comprehensive overview of indoor and outdoor cannabis cultivation. Students will gain an understanding of topics including soil fertility, pest management, plant genetics, harvest management, quality control, and controlled environment agriculture.

**CAN 330 Cannabis Manufacturing, Processing & Distribution (3 Credits)***Professional Studies*

Unravel the complex processes of extracting the cannabinoids from cannabis, and how to transform them into profitable manufactured consumer products. Explore moving the cannabinoids to market through product distribution methods, strategies, and restrictions.

**Creative Leadership****CRL 100 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**CRL 200 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**CRL 300 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**CRL 311 Professional Issues in Creative Leadership (3 Credits)***Professional Studies*

Emphasizes leadership in the 21st century that requires creative skills to seek opportunity, anticipate the unexpected, redefinition of excellence, innovative practices, and skills to build and share momentum in multi-generational teams.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**CRL 342 Customer Relations Leadership (3 Credits)***Professional Studies*

World-class practices in customer relations. Review of current research, critical analysis of case studies, workplace applications. Designing and leading plans and change, developing support structures and processes. Assessment and evaluation.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**CRL 344 Leadership Applications and Behaviors (1-3 Credits)***Professional Studies*

This course teaches skills and concepts to build effective leaders. Topics include communication, conflict, leadership styles, and goalsetting.

With a focus on applying skills to get the most from teams and relationships, the course culminates in the development of a Leadership Implementation Plan.

**CRL 400 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**CRL 406 Leading from Within (3 Credits)***Professional Studies*

Guided by the premise that who we are is how we lead, this course explores the intrapersonal aspects of leadership through frameworks for self-awareness and empathy building.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

**CRL 490 Independent Study (1-6 Credits)***Professional Studies*

In-depth exploration of a problem or problems. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor or instructors and the department. Repeatable

**Cybersecurity Administration****CYB 200 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

**CYB 233 Introduction to Computer Networking and Cloud Computing for Professional Studies (3 Credits)***Professional Studies*

Overview of networking technology components with an emphasis on cloud computing and cloud security. Students will also gain an understanding of cloud computing models (Infrastructure as a Service, Platform as a Service, Identification as a Service, and Software as a Service).

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 300 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

**CYB 323 Introduction to Information Security for Professional Studies (3 Credits)***Professional Studies*

Basic concepts and technologies of information security. Students who successfully complete this course will have a comprehensive overview of information security with some hands-on experience.

Prereq: CYB 233

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 334 Security in the Networked Environment for Professional Studies (3 Credits)***Professional Studies*

Practical and theoretical knowledge of network security. Topics covered include network security threats, mitigation/defense techniques, virtual private networks (VPNs), firewalls, intrusion detection and security policies and their place in information technology (IT) and business plans.

Prereq: CYB 233 and CYB 323

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 336 Leading Issues in Information Security for Professional Studies (3 Credits)***Professional Studies*

Leading Issues and challenges in Information security, and consideration of global perspectives related to current technology trends.

Prerequisite CYB 323

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 342 Information Security Policy for Professional Studies (3 Credits)***Professional Studies*

Introduces students to the necessary skills for developing, reviewing and implementing information security policies. Students will learn the fundamentals of effective policy writing, awareness and training along with information security frameworks important to building a successful information security policy.

Prerequisite CYB 323

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 346 Information Technology Management and Administration for Professional Studies (3 Credits)***Professional Studies*

Information technology management principles and practices. Administration of computers, operating systems, and applications. Tools and techniques for managing information technology operations. Includes labs.

Prereq: CYB 233

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 400 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

**CYB 402 Digital Forensics for Professional Studies (3 Credits)***Professional Studies*

The fundamentals of the forensic process, evidence handling, and quality assurance as they apply to digital forensics. Emphasis on evidence handling and quality assurance as they apply to digital forensics.

Prereq: CYB 323

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 425 Enterprise Risk Management for Professional Studies (3 Credits)***Professional Studies*

A multidisciplinary perspective of risk assessment, modeling, and management. Topics include: concepts of personal accountability versus governance and policy; how organizations define and measure risk and loss; and plan for contingencies.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**CYB 476 Applied Information Security for Professional Studies (3 Credits)***Professional Studies*

This course is intended to explore how to apply information security technologies and approaches to real-life systems and services.

Prereq: CYB 323

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**Healthcare Administration****HCA 200 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

**HCA 210 The Business of Healthcare (3 Credits)***Professional Studies*

This course will introduce students to the different business, operational, and clinical fundamentals necessary to lead in a healthcare organization. The course will integrate theory-based concepts, business models, external regulatory requirements, and current real-world applications. Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**HCA 300 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

**HCA 310 Electronic Healthcare Systems (3 Credits)***Professional Studies*

The course is aimed at exposing students to Electronic Health Record (EHR) systems, with a strong emphasis on the role of EHR systems in healthcare operations.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**HCA 320 Crisis (Emergency) Management (3 Credits)***Professional Studies*

This course will provide an overview of crisis management for the healthcare leader. Students will learn the categories of disasters, the government agencies that assist with crisis management and the essentials of preparing for and responding effectively to a crisis. Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**HCA 355 Financial Reimbursement in Healthcare (3 Credits)***Professional Studies*

Healthcare reform and reimbursement acts are in continual flux. Understanding the changing landscape and rules are imperative to reimbursement for services provided. Medicare, Medicaid, private insurance, MACRA reimbursement structures and others will be covered in this course.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**HCA 370 Human Resource Management (3 Credits)***Professional Studies*

This course familiarizes students with the fundamental principles of human resource management. Organizational staffing, training, development, labor relations, and employee safety will be explored.

**HCA 400 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**HCA 425 Wellness Consciousness (3 Credits)***Professional Studies*

Explore wellness concepts from the employer, employee and client opportunities. Students will learn about the growing focus on wellness in healthcare, techniques and strategies for implementing organizational wellness programs; individual self-care programs; and patient centered wellness programs.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**HCA 450 The Business of Global Health and Epidemiology (3 Credits)***Professional Studies*

Global health and epidemiology influence organizational finances, administrative operations, programs, and clinical care. Students will review existing research & current events of real-world global health problems and epidemiological topics from the fiscal lens of a healthcare leader.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**Knowledge Management****KNM 100 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**KNM 200 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

**KNM 300 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**KNM 301 Introduction to Knowledge Management (3 Credits)***Professional Studies*

Introduction to knowledge management. Provides students with an understanding of theoretical and technical concepts, models of knowledge management and how they contribute to return-on-vision and return-on-investment driving organizational success.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

**KNM 310 Knowledge Capture and Codification (3 Credits)***Professional Studies*

Overview of the first phase of the knowledge management cycle, capture of explicit knowledge, and tacit knowledge creation. The major approaches, techniques, and tools used to elicit tacit knowledge, to trigger the creation of new knowledge, and to subsequently organize this content in a systematic manner (codification) are presented.

Prereq: KMN 301

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

**KNM 311 Safeguarding Knowledge Management and Codification Data (3 Credits)***Professional Studies*

An overview of concepts in securing codification and transfer of knowledge management stored data while focusing mainly on, ethical, confidential, trust, and privacy aspects.

Prereq: KNM 301

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**KNM 400 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.



**KNM 401 Professional Issues in Knowledge Management (3 Credits)***Professional Studies*

Discuss critical issues facing organizations that implement and sustain knowledge management systems, identify approaches to address issues and evaluate best practices in light of emerging technologies, using case studies.

Prereq: KNM 301

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

**KNM 402 Strategy and Planning (3 Credits)***Professional Studies*

Major steps involved in developing a knowledge management strategy are presented including knowledge audit, gap analysis, elicitation of KM objectives, short-term roadmap and the long-term KM strategy, and previews organizational learning and memory.

Prerequisite KNM301

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>); Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

**KNM 403 Process Continuity and Future Planning (3 Credits)***Professional Studies*

Addresses knowledge continuity management (KCM), the KM team, future challenges and knowledge management disciplines and nuances. KCM is a specific application of knowledge management with a goal of identifying valuable knowledge that is vulnerable and at risk of being lost due to the departure of one or more employees.

Prerequisite KNM 301

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**Legal Studies****LGL 100 Selected Topics: Legal Studies (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**LGL 200 Selected Topics: Legal Studies (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**LGL 201 Introduction to Legal Systems and Legal Ethics (3 Credits)***Professional Studies*

Examine definitions and sources of law and organization of judicial system. Representative substantive areas of law covered to develop case analysis, legal thinking, and writing. Codes of professional ethics for lawyers and non-lawyers also explored.

**LGL 210 Legal Research and Writing (3 Credits)***Professional Studies*

An overview of the methods of legal research and the legal writing process. Emphasis will be placed on the process of creating a legal memorandum, including researching case law, writing legal citations, and briefing cases for legal analysis.

**LGL 300 Selected Topics: Legal Studies (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable

**LGL 403 Business Organizations (3 Credits)***Professional Studies*

Review of the major areas of business organizational law. Comparisons of sole proprietorship, partnership, corporation, and agency. Focus on corporate operations. Employer/employee relationship and statutes and regulations affecting employment are examined.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**Organization Development and Leadership****ODL 301 Analysis & Decision Models for Leaders (3 Credits)***Professional Studies*

Introduction to creative and analytical tools and processes to assist leaders in gathering and using data to make informed decisions.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**ODL 303 Introduction to Change Management (3 Credits)***Professional Studies*

Overview of what happens before, during and after change is implemented. Study how to learn from the past, what role culture of the organization plays, how to build momentum to enhance the acceptance of change, and finally how to embed the new changes in the culture of the organization.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**ODL 313 Strategic Leadership (3 Credits)***Professional Studies*

Macro view of the important role of strategic leaders in today's world; entails strategic thinking, acting, and influencing to make informed, purposeful decisions. Framework examines personal, interpersonal, organizational, and broad environmental realms a leader operates in. Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**ODL 319 Global Leadership (3 Credits)***Professional Studies*

Understanding the dimensions of culture will form the foundation for study after which the course will then layer in the aspects of leadership impacted by and developed from a globalized workforce and workplace. Dynamics specific to both individuals and their workplaces will be emphasized.

Shared Competencies: Civic and Global Responsibility (<https://coursecatalog.syracuse.edu/shared-competencies/civic-and-global-responsibility/>)

**ODL 320 Coaching for Leaders (3 Credits)***Professional Studies*

This course prepares you to distinguish between managing strategies, build your coaching competencies, and apply coaching skills to empower effective thinkers and self-motivated performers.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**ODL 335 Conflict Management (3 Credits)***Professional Studies*

Overview of key theoretical concepts and skills for managers and future managers. Students will explore various approaches for managing internal and external conflict to include mediation and negotiation. Focus on organizational dynamics.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>); Ethics and Integrity (<https://coursecatalog.syracuse.edu/shared-competencies/ethics-and-integrity/>)

**ODL 372 Organizational Leadership (3 Credits)***Professional Studies*

Theoretical models and experiential practices of leadership. Concepts, best practices, and business applications to acquire competency as a strategist, facilitator, change agent, and navigator.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**ODL 425 Design Thinking for Organizations (3 Credits)***Professional Studies*

Exploration of accelerating changes in technology and organizational ecosystems over next decade as it influences professional career strategies. Students challenged to "think in new boxes" as they apply global, business and personal foresight.

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**Professional Project Management****PPM 300 Selected Topics (1-6 Credits)***Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

**PPM 301 Foundations of Project Management (3 Credits)***Professional Studies*

Everyone is a project manager on some level. This course will identify best practices to manage projects, both large and small. Students will apply those practices while implementing a project to enhance their expertise.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**PPM 310 Project Organization and Leadership (3 Credits)***Professional Studies*

This course builds on PPM 301 Foundations of Project Management.

In this class, students will explore how to affect project outcomes by analyzing project leadership styles and different team organization approaches and techniques. Students will evaluate their leadership style and, during in-class exercises and assignments, will practice skills to enhance team dynamics and project performance.

Prereq: PPM 301

Shared Competencies: Scientific Inquiry and Research Skills (<https://coursecatalog.syracuse.edu/shared-competencies/scientific-inquiry-and-research-skills/>)

**PPM 315 Project Management Methodologies (3 Credits)***Professional Studies*

Introduces and compares Agile, Scaled Agile, hybrid methodologies, theory of constraints and critical chain, and emerging trends in project management. Includes considerations for organizations moving to value or product-based focus its impact on traditional project management planning, executing and reporting.

Prerequisite 301

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>)

**PPM 320 Project Controls (3 Credits)***Professional Studies*

This course builds on PPM 301 Foundations of Project Management by introducing advanced topics in project controls including: scope identification, estimating, resource management, scheduling, risk and quality management, and cost control. Project Control Information Management Systems, including Earned Value Management, will also be introduced in this course.

Prerequisite PPM 301

Shared Competencies: Critical and Creative Thinking (<https://coursecatalog.syracuse.edu/shared-competencies/critical-and-creative-thinking/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

**PPM 325 Project Communications and Stakeholder Management (3 Credits)***Professional Studies*

Introduces the criticality of proper communication to project success. Covers how to effectively create and execute Communication and Stakeholder Management Plans. Explores how effective communication can be performed considering stakeholder management, project management methodologies, structure, culture, knowledge and skill sets.

Prerequisite PPM 301

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

**PPM 411 Project Management Capstone (3 Credits)***Professional Studies*

This course integrates learning from the pre-requisite courses in the Project Management suite and enables the student to see the connections between theory and practice of project management.

Prerequisites 301, 310, 315, 320, 325

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

## Studies Computer Programming

### SCP 100 Selected Topics (1-6 Credits)

#### *Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

### SCP 103 Introduction to Computing Systems (3 Credits)

#### *Professional Studies*

This course introduces students to basic computer concepts, software, hardware, computer security, databases, e-commerce, and other technologies in the program. This course will cover ethical, social, legal issues related to the use of technology and computer systems.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

### SCP 200 Selected Topics (1-6 Credits)

#### *Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

### SCP 220 Basic Principles of Computer Programming (3 Credits)

#### *Professional Studies*

This course is an introduction to the history, foundational concepts, and overall process of computer programming.

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

### SCP 225 Concepts in Digital Graphics (3 Credits)

#### *Professional Studies*

Introduction to the necessary skills, the graphic design process, planning and communication, tools and software used in graphic design. Students will learn how to design media for both online and print consumption.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>)

### SCP 285 Object-Oriented Programming (3 Credits)

#### *Professional Studies*

This course is an introduction to the concepts of object-oriented programming. Students will be provided with a detailed overview of data types, classes, inheritance, file access, and the languages which utilize object-oriented programming.

Prereq: SCP 220

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

### SCP 295 Esports Fundamentals (3 Credits)

#### *Professional Studies*

This course serves as an introduction. Students will learn about some of the popular categories of esports games, and major esports tournaments. This course will introduce students to the management side of esports including fulfilling consumer needs and wants.

### SCP 300 Selected Topics (1-6 Credits)

#### *Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

### SCP 305 Database Management (3 Credits)

#### *Professional Studies*

This course is an introduction to databases and database design and management. Students will learn about data modeling techniques utilizing UML, utilize SQL programming language, and analyze database management systems. Students will also learn about database design and creation using UML concepts and diagrams.

Shared Competencies: Communication Skills (<https://coursecatalog.syracuse.edu/shared-competencies/communication-skills/>); Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

### SCP 350 Introduction to HTML/CSS (3 Credits)

#### *Professional Studies*

This course will introduce students to using HTML (Hyper Text Markup Language) and CSS (Cascading Style Sheets) in order to design and develop a website. Students will learn how to develop responsive web pages through the use of CSS and media queries and how to use CSS for multiple HTML pages.

Prereq: SCP 220

### SCP 355 Introduction to Javascript/jQuery (3 Credits)

#### *Professional Studies*

Introduces students to JavaScript and how to use it to build interactive webpages. Students will also learn about the jQuery library and how to use this resource for more rapid development. Additionally, students will learn how to develop a website that works across multiple web browsers.

Prereq: SCP 220 and SCP 350

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

### SCP 360 Introduction to Mobile Applications (3 Credits)

#### *Professional Studies*

Introduction to the basics of mobile application development. Mobile applications are used in a wide variety of industries from banking to healthcare. Students will be given general overview of the two major mobile operating systems.

Prereq: SCP 220 and SCP 350 and SCP 355

### SCP 400 Selected Topics (1-6 Credits)

#### *Professional Studies*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester. Repeatable 6 times for 6 credits maximum

### SCP 405 Programming in C++ (3 Credits)

#### *Professional Studies*

Introduction to the object-oriented programming language, C++. Students will learn about the use of classes and objects, overloading, inheritance, and exception handling as it relates to C++. Students expected to be familiar with these concepts in other languages.

Prereq: SCP 220 and SCP 285

### SCP 418 Programming in Java (3 Credits)

#### *Professional Studies*

Introduces the basics of software development using the Java programming language. Use of arrays, strings, hash tables, and queues as it relates to the use of the Java programming language. It is expected that students entering this course are familiar with these concepts in other languages.

**SCP 420 Web Application and Design (3 Credits)**

*Professional Studies*

Introduces a variety of web tools that can be used to organize, create, publish, and manage websites that are created through HTML, CSS, JavaScript, and PHP server-side scripting. Covers more advanced concepts related using PHP to connect to and query real-time data from an online MySQL database.

Prereq: SCP 220 and SCP 360 and SCP 350 and SCP 355

**SCP 435 Multiplayer Game Design Competition (3 Credits)**

*Professional Studies*

Prepares students to design multiplayer games. Students will learn how to take a video game concept and bring it to life using a game engine.

This course will provide in-depth knowledge of server-side scripting and explain the difference between server-side and client-side interactions.

Prereq: SCP 220 and SCP 225 and SCP 285 and SCP 295 and SCP 405

**SCP 445 Cross Platform Mobile Application Deployment (3 Credits)**

*Professional Studies*

This course will provide students with the information and tools needed to develop and deploy mobile applications that are compatible with iOS and Android. Students will learn about the cross-platform development tools and techniques used today including web application development.

Prereq: SCP 220 and SCP 350 and SCP 355 and SCP 360

**SCP 482 System Software Design for Professionals (3 Credits)**

*Professional Studies*

This course provides an overview of software design principles. This course will analyze software design techniques from the perspective of a software engineer developing system software. Additionally, software modeling techniques using UML will be covered.

Prereq: SCP 220 and SCP 285 and SCP 305 and SCP 350 and SCP 355 and SCP 360 and SCP 405 and SCP 418 and SCP 420