

CYBERSECURITY ADMINISTRATION, BPS

Contact

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Faculty List (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/>)

Description

The Bachelor of Professional Studies major in Cybersecurity Administration encompasses the protection of information systems and the leadership skills needed in this fast growing field. Cybersecurity is the science and practice of protecting information by preventing, detecting, and responding to attacks and an essential part of any corporate or government plan. With the rising need for more advancement in protecting our national and personal security from online intrusions there is a call from government and corporate areas to have specialists, administrators and leaders trained in this field. This degree will provide students with the skills needed to manage people and technologies required to protect information, information systems, and infrastructures.

The program will be an online bachelor's degree that is geared towards continuing education students who will work on the degree part time.

Student Learning Outcomes

1. Evaluate organizational, and information system vulnerabilities by employing technological, analytical, communication, and critical thinking skills.
2. Create effective solutions to minimize cybersecurity security risks balancing those risks against business and organizational requirements.
3. Apply codes of conduct that are consistent with ethical standards, in relation to information and cybersecurity systems, strategies, plans and operations.
4. Apply cybersecurity strategies, policies, and procedures to information and cybersecurity systems in both the short and long term.

Program Requirements

Code	Title	Credits
Liberal Studies Core		
The Liberal Studies Core gives a foundation in writing, language or quantitative skills, humanities, social science, natural science, and critical reflections. It draws upon lower-division courses in the College of Arts and Sciences.		
<i>Writing</i>		
WRT 105	Studio 1: Practices of Academic Writing	3

WRT 205	Studio 2: Critical Research and Writing	3
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Quantitative Skills

Complete 6-8 credits of Quantitative Skills Sequence Requirement outlined in the Liberal Arts Core Guidebook. 6-8

Humanities

Select six credits from any course listed in the Humanities Division of the Liberal Arts Core Guidebook. 6

Social Science

Select six credits from any course listed in the Social Sciences Division of the Liberal Arts Core Guidebook. 6

Natural Science

Select 3-4 credits from any course listed in the Natural Sciences Division of the Liberal Arts Core Guidebook. 3-4

Critical Reflections on Ethical & Social Issues

Select 3 credits from any course listed in the Critical Reflections on Ethical & Social Issues Division of the Liberal Arts Core Guidebook. 3

Students are required to select one Liberal Arts Core Course that meets the IDEA requirement

Professional Competencies Core

The Professional Competencies Core covers fundamental knowledge and abilities required in the modern workplace, such as ethics and critical thinking, problem solving, human relations, diversity and change management, budgeting and resource management, and teamwork. The Professional Competencies Core includes an introductory course, and a capstone experience required of all B.P.S. students. Designed to draw together issues from across the entire B.P.S. program, these courses summarize concepts covered in the curriculum and develop students' skills in strategic decision-making that looks to the future.

Required Courses

BPS 144	Orange Immersion	2
BPS 211	Introduction to Professional Studies	3
BPS 411	Senior Seminar	3
FYS 101	First Year Seminar	1
Select seven of the following:		21
ODL 303	Introduction to Change Management	
BPS 315	Practical Financial Management for the Working Professional	
BPS 317	Assertiveness in the Workplace for Professional Studies	
BPS 321	Rhetorical Awareness and the Diverse Workplace	
ODL 425	Design Thinking for Organizations	
ODL 335	Conflict Management	
BPS 382	Leading Cooperative Negotiations	
BPS 415	Digital and Business Communications for Professional Studies	
ODL 313	Strategic Leadership	
ODL 319	Global Leadership	
CRL 342	Customer Relations Leadership	
ODL 372	Organizational Leadership	
HCA 425	Wellness Consciousness	
LGL 201	Introduction to Legal Systems and Legal Ethics	
LGL 210	Legal Research and Writing	
LGL 403	Business Organizations	
PPM 301	Foundations of Project Management	

PPM 310	Project Organization and Leadership	
PPM 325	Project Communications and Stakeholder Management	
SCP 103	Introduction to Computing Systems	
SCP 225	Concepts in Digital Graphics	
SCP 285	Object-Oriented Programming	
SCP 295	Esports Fundamentals	
SCP 305	Database Management	
SCP 350	Introduction to HTML/CSS	
Cybersecurity Administration Major Courses		
CYB 233	Introduction to Computer Networking and Cloud Computing for Professional Studies	3
CYB 323	Introduction to Information Security for Professional Studies	3
CYB 334	Security in the Networked Environment for Professional Studies	3
CYB 336	Leading Issues in Information Security for Professional Studies	3
CYB 342	Information Security Policy for Professional Studies	3
CYB 346	Information Technology Management and Administration for Professional Studies	3
CYB 402	Digital Forensics for Professional Studies	3
CYB 425	Enterprise Risk Management for Professional Studies	3
CYB 476	ed Information Security for Professional Studies	3
SCP 220	Basic Principles of Computer Programming	3
Electives		
Select 27-30 credits of Electives		27-30
Total Credits		117-123

Note

The degree is administered by the College of Professional Studies. Each student should consult with their Academic Advisor to structure a plan for degree completion.

Undergraduate University Requirements

The following requirements and experiences apply to all Syracuse University Undergraduate matriculated degree programs.

- IDEA Course Requirement (<https://coursecatalog.syracuse.edu/undergraduate/idea-course-requirement/>)
- First Year Seminar (<https://coursecatalog.syracuse.edu/undergraduate/courses/fys/>)