

BACHELOR OF PROFESSIONAL STUDIES WITH A MAJOR IN CYBERSECURITY

The bachelor of professional studies with a major in cybersecurity program is intended for students with associate's or non-technical bachelor's degrees who are looking for entry-level positions and advancement in the field of cybersecurity. The program consists of a core curriculum and two concentrations that focus on protection and defense of computer networks and cyber attacks and cyber threats analysis. Upon completion of the program, students are able to understand and implement cybersecurity requirements, protect and effectively defend computer networks against malicious activities, and correct computer network vulnerabilities through penetration testing and hacking techniques.

The core curriculum of this bachelor's degree program includes courses related primarily to specialty areas identified by NICE. The course work in program subject areas culminates in a practicum that focuses on preparing students to obtain professional certification combined with practical exercises in the computer lab.

Visit the program website (<https://cps.gwu.edu/cybersecurity-bachelors>) for more information.

REQUIREMENTS

Students completing this program will have satisfied GW's university-wide general education requirement, which includes 22 credits in the following areas:

1. Mathematics or statistics (3 credits)
2. Natural or physical science with lab (4 credits)
3. Humanities (3 credits)
4. Social and behavioral sciences (6 credits)
5. Written communication or composition (6 credits)

In addition, students take a minimum of 60 credits at GW, comprising 15 required courses.

Code	Title	Credits
Required		
PSCS 2301	Cyber Investigation	
PSCS 2302	Digital Forensics	
PSCS 2303	Compliance and Risk Management	
PSCS 2304	Incident Response	
PSCS 3100	Principles of Cybersecurity	
PSCS 3103	Ethics, Law, and Policy	

PSCS 3107	IP Security and VPN Technology
PSCS 3109	Network Security
PSCS 3111	Information Technology Security System Audits
PSCS 3113	Topics in IT Security Defense Countermeasures
PSCS 3117	Project Management in Information Technology
PSCS 4102	Intrusion Detection and Vulnerability Management
PSCS 4103	Securing Operating Systems
PSCS 4110	Data Communication and Networking Technologies
PSCS 4202	Cyber Attack Tools and Techniques

FACULTY

Director: *S. White*