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 program’s core curriculum includes courses related primarily to specialty areas identified by the National Initiative for Cybersecurity Education (NICE). Coursework in program subject areas culminates in a practicum that focuses on preparing students to obtain professional certification combined with practical exercises.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSCS 2301</td>
<td>Cyber Investigation</td>
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<tr>
<td>PSCS 2302</td>
<td>Digital Forensics</td>
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<tr>
<td>PSCS 2303</td>
<td>Compliance and Risk Management</td>
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<td>PSCS 2304</td>
<td>Incident Response</td>
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<tr>
<td>PSCS 3100</td>
<td>Principles of Cybersecurity</td>
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<tr>
<td>PSCS 3103</td>
<td>Ethics, Law, and Policy</td>
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</tbody>
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FACULTY

Director: S. White

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