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 cybersecurity program provides students with skills and knowledge necessary to be successful in the IT security industry. The program’s core curriculum includes courses related primarily to specialty areas identified by the National Institute of Standards and Technology (NIST) and the National Initiative for Cybersecurity Education (NICE).

Upon completion of the program, students are able to understand and implement cybersecurity requirements to protect computers, applications, and networks from unauthorized and malicious users or software. In addition, the curriculum covers cryptography, cyber forensics, and network security. The program will also address supporting concepts of information system security which are integral parts of cybersecurity.

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>Required</td>
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<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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<tr>
<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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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

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