CYBERSECURITY, POST-BACCALAUREATE CERTIFICATE

Gain the skills and preparation you need to succeed as a competitive professional in the field of cybersecurity. Offered through Saint Louis University’s School for Professional Studies, the curriculum for the Graduate Certificate in Cybersecurity is designed to help you learn to apply information security principles to analyze, detect, and mitigate vulnerabilities and intrusions to your organization’s cyberinfrastructure. With coursework focused on learning cybersecurity principles, administration of data, identification of cyber threats, and ways to defend against these threats, you will be more prepared to lead cyber teams and programs in roles ranging from government cybersecurity analyst to data security consultant.

As part of the School for Professional Studies, this 12-credit, fully-online program offers technology-driven professionals like you a flexible option to meet your personal career goals. If you have obtained an undergraduate degree or higher, you may pursue a stand-alone certificate in Cybersecurity. All courses are offered in 8-week terms through SLU online, making advanced education more accessible for working professionals.

If you complete the certificate, you also have the option of applying to the Master of Science in Cybersecurity program and, if accepted, have all of the certificate credits count toward the master’s degree.

Careers

The post-baccalaureate certificate in cybersecurity prepares you to manage and lead cyber teams and programs. Graduates of the cybersecurity program have the foundation necessary to succeed as network and computer systems administrators, government cybersecurity analysts, computer systems analysts, information security analysts, and computer and information systems managers.

Admission Requirements

- An undergraduate degree from an accredited institution, with a GPA of 3.0 or above (on a 4.0 scale) (Students with a GPA lower than 3.0 may be considered for conditional admission.)
- Three years of full-time work experience or its equivalent (recommended)
- Completed coursework in the following areas:
  - At least one course in information systems/technology or a programming language
  - At least one basic statistics or research methods course
  - Knowledge of computer technologies involved in day-to-day business operations (e.g. Microsoft Word, Excel and PowerPoint)

Students missing the prerequisite courses will be permitted to fulfill them through the School for Professional Studies prior to acceptance into the program.

Application Requirements

- Application form and fee
- Transcript(s)
- Résumé

- A 500-word statement of professional goals articulating why a graduate certificate is needed within the student’s present or future career and how the program will help meet that need

Requirements for International Students

All admission policies and requirements for domestic students apply to international students along with the following:

- Demonstrate English language proficiency
- Academic records, in English translation, of students who have undertaken postsecondary studies outside the United States must include the courses taken and/or lectures attended, practical laboratory work, the maximum and minimum grades attainable, the grades earned or the results of all end-of-term examinations, and any honors or degrees received. WES and ECE transcripts are accepted.

Note: The online nature of the program precludes us from offering documentation needed for obtaining student visas.

Application and Assistantship Deadlines

Students should apply for the summer semester by May 1, for the fall semester by July 1, and for the spring semester by Nov. 1.

Students seeking assistantships should apply by Feb. 1.

Review Process

Applications are reviewed by a committee of School for Professional Studies faculty members.

Scholarships and Financial Aid

For priority consideration for graduate assistantship, applicants should complete their applications by February 1.

For more information, visit the student financial services office online at http://finaid.slu.edu.

Learning Outcomes

1. Graduates will be able to construct and implement networks and data management systems that protect intellectual property using cybersecurity principles.
2. Graduates will be able to apply information security principles to analyze, detect and mitigate vulnerabilities and intrusions.

Requirements

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CYBR 5000</td>
<td>Cybersecurity Principles</td>
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<tr>
<td>CYBR 5010</td>
<td>Networking Concepts</td>
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<td>CYBR 5020</td>
<td>Data Administration</td>
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<tr>
<td>CYBR 5030</td>
<td>Cyber Threats and Defense</td>
<td>3</td>
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<td>Total Credits</td>
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Continuation Standards

Students must maintain a cumulative grade point average (GPA) of 3.00 in all graduate/professional courses.
Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

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<thead>
<tr>
<th>Course</th>
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<td><strong>Year One</strong></td>
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<td><strong>Fall 1</strong></td>
<td>CYBR 5000 Cybersecurity Principles</td>
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Contact Us

Apply for Admission (https://www.slu.edu/online/becoming-a-student/apply.php)

For additional admission questions please call (314) 526-2825 or email sps@slu.edu.