

CYBERSECURITY, M.S.

Offered through Saint Louis University's School for Professional Studies, our Master of Science in Cybersecurity curriculum will teach you to apply information security principles to analyze, detect and mitigate vulnerabilities and intrusions to your organization's cyberinfrastructure. You will also gain a deeper appreciation and understanding of the social, policy, ethical and legal aspects of security and privacy.

Graduates with an M.S. in cybersecurity are prepared to manage and lead cyber teams and programs in roles ranging from government cybersecurity analyst to data security consultant. A unique aspect of SLU's cybersecurity program is the ability to earn a graduate certificate that complements a master's degree, often without taking additional credits. This allows you to tailor the program to your specific interests.

As part of the School for Professional Studies, this 33-credit program offers technology-driven professionals like you a flexible option to meet your personal career goals. With multiple start terms, you can begin the master's program in fall, spring or summer. All courses are offered in online and hybrid formats in eight-week terms, making advanced education more accessible for working professionals. You will join a community of academics and practitioners from around the world and from a wide range of academic and professional backgrounds, providing the opportunity to learn from a network of peers.

Careers

SLU's master's degree 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, computer and information systems managers, and data security consultants.

Admission Requirements

- Completed application
- Official transcript(s) from most recent institution attended
- Most successful applicants have an undergraduate grade point average of 3.00 or better
- At least two years of work experience is recommended (includes full-time and part-time employment, internships, co-ops and similar experiences)
- Three external reference evaluations
- Statement of professional goals (approximately 500 words suggested) articulating what attracted you to this program, and how a master's degree in this field will benefit you in your present or future career
- Resume or curriculum vitae

Requirements for International Students

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

- Demonstrate English language proficiency. Some examples of demonstrated English language proficiency include minimum score requirements for the following standardized tests:
 - o Paper-based TOEFL: 550
 - o Internet-based TOEFL: 80
 - o IELTS: 6.5
 - o PTE: 54
- Academic records, in English translation, of students who have undertaken post-secondary 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.

Application and Assistantship Deadlines

Students should apply for the fall semester by August 7, spring semester by January 1 and summer semester by May 14.

Review Process

Applications are reviewed by program directors.

Apply Now (<http://www.slu.edu/apply.php>)

Scholarships and Financial Aid

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

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

Learning Outcomes

1. Graduates will be able to apply program-specific knowledge to address practical problems using an ethical, evidence-based framework.
2. Graduates will be able to utilize argumentation skills appropriate for a given problem or context.
3. Graduates will be able to construct and implement networks and data management systems that protect intellectual property using cybersecurity principles.
4. Graduates will be able to apply information security principles to analyze, detect and mitigate vulnerabilities and intrusions.

Requirements

Code	Title	Credits
Graduate Core Courses		
AA 5221	Applied Analytics & Methods I	3
ORLD 5050	Ethical, Evidence-Based Decision Making	3
Foundation Courses		
CYBR 5000	Cybersecurity Principles	3
CYBR 5010	Networking Concepts	3
CYBR 5020	Data Administration	3
CYBR 5030	Cyber Threats and Defense	3
Electives		12
CYBR 5210	Digital Investigations	
CYBR 5220	Incident Response and Mitigation	
CYBR 5230	Intrusion Detection and Analysis	
CYBR 5240	Cloud Security	
Applied Research Project		
CYBR 5961	Cybersecurity Masters Research Project I	1
CYBR 5962	Cybersecurity Masters Research Project II	1
CYBR 5963	Cybersecurity Masters Research Project III	1
Total Credits		33

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.

Course	Title	Credits
Year One		
Fall		
Fall 1		
CYBR 5000	Cybersecurity Principles	3
CYBR 5010	Networking Concepts	3
Fall 2		
ORLD 5050	Ethical, Evidence-Based Decision Making	3
	Credits	9
Spring		
Spring 1		
CYBR 5020	Data Administration	3
AA 5221	Applied Analytics & Methods I	3
Spring 2		
CYBR 5030	Cyber Threats and Defense	3
	Credits	9
Summer		
Summer 1		
Cyber Elective #1		3
CYBR 5961	Cybersecurity Masters Research Project I	1
Summer 2		
Cyber Elective #2		3
	Credits	7
Year Two		
Fall		
Fall 1		
CYBR 5962	Cybersecurity Masters Research Project II	1
Cyber Elective #3		3
Fall 2		
Cyber Elective #4		3
	Credits	7
Spring		
Spring 1		
CYBR 5963	Cybersecurity Masters Research Project III	1
	Credits	1
	Total Credits	33

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.