AI FOR CYBERSECURITY, POST-BACCALAUREATE CERTIFICATE (BEGINNING FALL 2026)

The Post-Baccalaureate Certificate in AI for Cybersecurity is a 9-credit graduate-level program designed to provide students with specialized knowledge and practical skills in applying artificial intelligence and machine learning within cybersecurity contexts. The program emphasizes the integration of AI technologies to enhance threat detection, automate security operations, and support real-time decision-making. Students will explore the technical foundations of AI, understand its ethical and legal implications, and develop the ability to implement AI-driven solutions to complex cybersecurity challenges. Graduates will be prepared to navigate the evolving landscape of AI in cybersecurity with a strong foundation in responsible and effective AI deployment.

Admission Requirements

- Completed application
- Undergraduate degree (most successful applicants have an undergraduate grade point average of 3.0 or better)
- Official transcript from a degree-granting institution
- Statement of purpose (about 500 words)
- Resume or curriculum vitae
- External reference recommendations (encouraged but not required)

Upon admission, a new student must successfully complete a virtual meeting with their academic coach to enroll in first-term coursework.

Requirements for International Students

Along with the general admission requirements above, the following must be provided by prospective international students:

- Demonstration of English Language Proficiency (https://catalog.slu.edu/academic-policies/office-admission/graduate/english-language-proficiency/). Some examples of demonstrated English language proficiency include minimum score requirements for the following standardized tests:
  - Paper-based TOEFL: 550
  - Internet-based TOEFL: 80
  - IELTS: 6.5
  - PTE: 54
- Academic records, in English translation, for post-secondary studies outside the United States. These 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.

Apply (https://www.slu.edu/apply.php)

Tuition

Tuition	Cost Per Credit
Online Graduate Degrees and Post-Baccalaureate Certificates	$810

Learning Outcomes

1. Graduates will be able to apply artificial intelligence techniques to detect and respond to cyber threats, integrate AI tools into security infrastructures, and address the ethical, legal, and security challenges of AI in cybersecurity.

Requirements

Code	Title	Credits
CYBR 5260	Applied AI for Cybersecurity	3
CYBR 5280	AI Governance, Law, and Ethics	3
AA 5011	Foundations of Applied Artificial Intelligence & Machine Learning	3
Total Credits		**9**

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		
AA 5011	Foundations of Applied Artificial Intelligence & Machine Learning	3
CYBR 5280	AI Governance, Law, and Ethics	3
Fall 2		
CYBR 5260	Applied AI for Cybersecurity	3
	Credits	**9**
	Total Credits	**9**

Contact Us

Apply for Admission (https://www.slu.edu/professional-studies/becoming-a-student/)

For additional admission questions, please call 314-977-2330 or email sps@slu.edu.