AI-DRIVEN SOFTWARE DEVELOPMENT, POST-BACCALAUREATE CERTIFICATE

The post-baccalaureate certificate in AI-driven software development is a 9-credit graduate-level program designed to equip students with advanced skills in building intelligent, scalable, and user-centered software systems. This program prepares learners to integrate artificial intelligence into modern software development practices, emphasizing innovation, adaptability, and efficiency in rapidly evolving digital environments. Students will gain expertise in AI-enhanced development workflows, user-centered design principles, and the architecture of scalable, data-intensive applications.

Tuition

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

Additional charges may apply. Other resources are listed below:

Information on Tuition and Fees (https://catalog.slu.edu/academic-policies/student-financial-services/tuition/)

Miscellaneous Fees (https://catalog.slu.edu/academic-policies/student-financial-services/fees/)

Information on Summer Tuition (https://catalog.slu.edu/academic-policies/student-financial-services/tuition-summer-current/)

Learning Outcomes

1. Graduates will be able to analyze business problems and implement intelligent, secure and scalable information technology solutions that support the goals of the organization.

Requirements

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

Program Requirements

Code	Title	Credits
IS 5102	User-Centric Software Design and Innovation	3
IS 5103	Scalable Software Systems for Data-Intensive Applications	3
AA 5110	Data Infrastructure Engineering and Management	3
Total Credits		**9**

Roadmap

This roadmap is just one example of a semester-by-semester plan of study for this program. There are other plans students can and do take. The plan of study for each particular student is established in consultation with each student's academic advisor; *this roadmap does not replace academic advising appointments.*

Roadmap notes:

- This Roadmap assumes full-time enrollment unless otherwise noted.
- Courses/Milestones marked with an "!" are critical and must be completed in the semester listed in the Roadmap to ensure a timely graduation.
- Course availability and sequencing are subject to change.

Fall Entry

Course	Title	Credits
Year One		
Fall		
Fall 1		
AA 5110	Data Infrastructure Engineering and Management	3
IS 5102	User-Centric Software Design and Innovation	3
Fall 2		
IS 5103	Scalable Software Systems for Data-Intensive Applications	3
	Credits	**9**
	Total Credits	**9**

Spring Entry

Course	Title	Credits
Year One		
Spring		
Spring 1		
AA 5110	Data Infrastructure Engineering and Management	3
IS 5102	User-Centric Software Design and Innovation	3
Spring 2		
IS 5103	Scalable Software Systems for Data-Intensive Applications	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.