Software Engineering Systems, Graduate Certificate

The Graduate Certificate in Software Engineering Systems focuses on the sociotechnical approach to software engineering with attention on using engineering tools and considering real-world complexities to design and construct practical and viable software solutions.

This four-course graduate certificate is designed to provide students with opportunities to apply the fundamentals of engineering knowledge and skills to software development with attention on enterprise design and integration, secure systems design and creation, and data integration and architecture.

Note: Master of Science in Software Engineering Systems students are not eligible for this graduate certificate.

Program Requirements

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Code	Title	Hours
Required Courses		
CSYE 6200	Concepts of Object-Oriented Design	4
INFO 6205	Program Structure and Algorithms	4

Electives

Code	Title	Hours
Complete two of the following:		8
CSYE 6225	Network Structures and Cloud Computing	
CSYE 7215	Foundations of Parallel, Concurrent, and Multithreaded Programming	
CSYE 7280	User Experience Design and Testing	

Program Credit/GPA Requirements

16 total semester hours required
Minimum 3.000 GPA required