

GRADUATE CERTIFICATE IN COMPUTER SYSTEMS ENGINEERING

Requirements Effective Fall 2025

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Select three courses from the following: ¹		11-12
CS 530	Fault-Tolerant Computing	
CS 545	Machine Learning	
CS 556	Computer Security	
CS 575	Parallel Processing	
ECE 528/CS 528	Embedded Systems and Machine Learning	
ECE 554	Computer Architecture	
ECE 561/CS 561	Hardware/Software Design of Embedded Systems	
ECE 564	Semiconductor Memory	
ECE 658/CS 658	Internet Engineering	
ECE 661	Advanced Topics in Embedded Systems	
Program Total Credits:		11-12

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.

¹ At least one ECE course is required.