

GRADUATE CERTIFICATE IN EMBEDDED SYSTEMS

The Graduate Certificate in Embedded Systems provides an introduction to embedded systems, including hardware design and software engineering principles. Students learn to apply electrical engineering, computer engineering, and computer science principles in real-world embedded platforms.

Effective Fall 2021

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Select three courses from the following: ¹		11-12
CS 545	Machine Learning	
CS 560/ECE 560	Foundations of Fine-Grain Parallelism	
CS 575	Parallel Processing	
ECE 528/CS 528	Embedded Systems and Machine Learning	
ECE 554	Computer Architecture	
ECE 558	Manycore System Design Using Machine Learning	
ECE 561/CS 561	Hardware/Software Design of Embedded Systems	
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.