

Graduate Certificate in Computing Systems

Admission

Students seeking this certificate must be admitted to the Graduate School in a degree program or in nondegree status. All Graduate School policies relative to admissions apply. This certificate may be obtained concurrently while pursuing a graduate degree.

Students admitted to the program must have a BS degree in engineering. The program is also available to students with other degrees that have experience in computing systems. Depending on an individual student's background, some of the certificate courses may require additional prerequisites.

Program Requirements

The certificate requires the completion of 12 credit hours from a selected list of courses. A cumulative graduate grade point average of at least 3.000 must be maintained for all courses comprising the certificate program and no grades below C. In addition to these requirements, students must meet the Graduate School's requirements (<http://catalog.wichita.edu/graduate/academic-information/types-programs-courses/certificate-residency-badge-programs/>) in order to earn this certificate.

Course	Title	Hours
Required Courses		
ECE 794	Parallel Computing	3
ECE 875	Computer Systems in Data Analytics	3
Electives		
Select two courses from the following		6
ECE 694	High Performance Computer Systems	
ECE 696	Hardware-Based Cybersecurity	
ECE 707	Machine Learning Essentials and Applications	
ECE 711	Optimization Techniques for Cyber-Physical Systems	
ECE 777AC	Data-Driven Decisions in Cyber-Physical Systems	
Total Credit Hours		12