Graduate Certificate in Energy Engineering

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 energy 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 596	Renewable Energy Engineering	3
ME 702	Energy and Sustainability	3
Electives		
Select two courses from the following		6
ECE 598	Electric Power Systems Analysis	
ECE 777AE	Characterization and Modeling of Batteries	
ECE 895	Power System Reliability	
ECE 896	Competitive Power Systems Economics and Markets	
ME 502	Thermodynamics II	
ME 602	Engineering for the Environment	
ME 753	Advanced Materials for Energy Systems	
ME 803	Solar Energy Materials	
ME 835	Modeling and Optimization of Building Energy	
ME 845	Renewable Energy	
ME 850AX	Electrochemical Systems	
Total Credit Hours		**12**