

ELECTRIC ENERGY SYSTEMS - CERTIFICATE

The Department of Electrical and Computer Engineering offers a Certificate in Electric Energy Systems. Upon successful completion of this program, students should learn the knowledge and acquire the skills for designing modern power systems of at least moderate complexity. Electric system design knowledge and skills are constantly needed in power and utilities industry. In addition, modern power system technologies have been experiencing continuous changes with the application of smart grid, data science, etc. As such, there is a sustained job market demand for graduates in the field of power systems.

This program is also approved for delivery via asynchronous distance education technology.

Program Requirements

Code	Title	Semester Credit Hours
Select 12 hours from the following:		12
ECEN 613	Rectifier and Inverter Circuits	
ECEN 614	Power System State Estimation	
ECEN 615	Methods of Electric Power Systems Analysis	
ECEN 667	Power System Stability	
ECEN 713	Data Sciences and Applications for Modern Power	
ECEN 715	Physical and Economical Operations of Sustainable Energy Systems	
Total Semester Credit Hours		12