

CERTIFICATE IN POWER ELECTRONICS

In this certificate program, students receive professional preparation in the areas of power electronic converters, industrial electronics, switching power supplies, electric/electronic motor drives, and electric power quality. This certificate program is useful to managers, engineers, and students who are seeking a position in power electronics related industry.

Gainful Employment Disclosure for Certificate in Power Electronics

Curriculum

Code	Title	Credit Hours
Required Courses		(6-7)
Select a minimum of two courses from the following:		6-7
ECE 411	Power Electronics	4
ECE 550	Power Elect Dynmcs Control	3
ECE 551	Advanced Power Electronics	3
ECE 552	Adjustable Speed Drives	3
Elective Courses		(6)
Select a minimum of two courses from the following:		6
ECE 430	Fund of Semiconductor Devices	3
ECE 437	Digital Signal Processing I	3
ECE 438	Control Systems	3
ECE 531	Linear System Theory	3
ECE 533	Robust Control	3
ECE 535	Discrete Time Systems	3
ECE 538	Renewable Energies	3
ECE 539	Cmpt Aided Dsgn Elec Machines	3
ECE 548	Energy Harvesting	3
ECE 575	Electron Devices	3
Total Credit Hours		12-13