CERTIFICATE IN CONTROL SYSTEMS

Engineers who deal with the control and optimization of systems will benefit from the focused coursework in this program, providing intensive studies in linear and non-linear systems, optimized control, controlability and stability of systems, and analysis and synthesis of control systems.

Curriculum

Code	Title	Credit Hours
Required Courses		**(6)**
ECE 438	Control Systems	3
or ECE 533	Robust Control	
ECE 566	Machine and Deep Learning	3
Elective Courses		**(6)**
Select a minimum of two courses from the following:		6
ECE 437	Digital Signal Processing I	3
ECE 438	Control Systems	3
ECE 441	Smart and Connected Embedded System Design	4
ECE 501	Artificial Intelligence and Edge Computing	3
ECE 505	Applied Optimization for Engineers	3
ECE 506	Analysis of Nonlinear Systems	3
ECE 510	Internet of Things and Cyber Physical Systems	3
ECE 531	Linear System Theory	3
ECE 533	Robust Control	3
ECE 535	Discrete Time Systems	3
ECE 537	Optimal Feedback Control	3
ECE 550	Power Electronic Dynamics and Control	3
ECE 563	Artificial Intelligence in Smart Grid	3
Total Credit Hours		**12**