Pre-requisites for Suggested Four-Year Academic Map

Updated 9/15/16

EE1000	Foundations of EE	None	
EE2301	Circuits I	PHYS 2211	Principles of Physics I
		PHYS 2211L	Principles of Physics I lab
EE2302	Circuits II	EE2301	Circuits I
		MATH 2306	Ordinary Diff Equations
		PHYS 22112	Principles of Physics II
		PHYS 2212L	Principles of Physics II lab
EE2401	Semiconductor Devices	CHEM 1211	General Chemistry I
		CHEM 1211L	General Chemistry lab
		EE 1000	Foundations of EE
EE2501	Digital Logic Design	EE2301	Circuits I
EE3401	Engineering Electronics	EE2301	Circuits I
EE3405	Electronic Materials	EE 2401	SemiConductor Devices
EE3501/ES	Embedded Systems	EE2501	Digital Logic Design
EE3601/ES	Electric Machines	EE2301	Circuits I /
EE3603/ES	Electronic Power Conv	EE2302	Circuits II
EE3605/ES	Electromagnetics	MATH 2203	Calculus III
		PHYS 2212	Principles of Physics II
		PHYS 2212L	Principles of Physics II Lab

EE3701/ES	Signals & Systems	EE2302	Circuits II
		MATH 2306	Ordinary Diff Equations
EE 3702/ES	Communication Systems	EE3701	Signals & Systems
EE 3706	Computer Networking	EE2501	Digital Logic Design
EE 4201/ES	Control Systems	EE2301	Circuits I
		MATH 2306	Ordinary Diff Equations
		ENGR 2214	Engineering Mechanics-Statics
EE 4405	Solar Pwr & Ren Energy	EE2301	Circuits I
		EE 2401	CoReq
EE 4490/ES	SpTp-Digital Signal Process		ES only
EE 4605/ES	Emag & Microwave	EE 3605	Electromagnetics
EE 4701/ES	Professional Practice	EE 3401	Engineering Electronics
EE 4800/ES	Senior Project	EE 4201	Control Systems
		EE 4701	Professional Practice
ENGR 4402/ES	Engineering Ethics		ES only

All courses marked with /ES require Engineering Standing.

NOTE:

This document is not a substitute for academic advisement - contact your advisor if you have ANY questions about scheduling or about your degree requirements.