

# Electrical and Computer Engineering

## Course Offering Plan for Required Courses in ECE Majors

*Courses marked with "X" will be offered in the corresponding terms, barring unforeseen circumstances.*

Course Numbers	Course Name	Fall Semesters	Spring Semesters	Summer Semesters
ECGR 2103	Computer Utilization in C++	X	X	X
ECGR 2104	Computer Engineering Programming		X	X
ECGR 2111	Network Theory I	X	X	X
ECGR 2112	Network Theory II	X	X	X
ECGR 2155	Instrumentation and Networks Lab	X	X	X
ECGR 2156	Logic and Networks Lab	X	X	X
ECGR 2181	Logic Systems Design	X	X	X
ECGR 2254	Analytical Foundations of Electrical and Computer Engineering	X	X	X
ECGR 3101	Embedded Systems	X		X
ECGR 3111	Signals and Systems	X	X	X
ECGR 3112	System Analysis II	X	X	
ECGR 3121	Introduction to Electromagnetic Fields	X	X	
ECGR 3122	Electromagnetic Waves		X	X
ECGR 3123	Data Communications & Networking		X	X
ECGR 3131	Fundamentals of Electronics & Semiconductors	X	X	X
ECGR 3132	Electronics		X	X
ECGR 3142	Electrical Energy Conversion		X	X
ECGR 3155	Systems & Electronics Lab	X	X	X
ECGR 3156	Electromagnetic & Electronic Devices Lab	X	X	X
ECGR 3157	Electrical and Computer Engineering Junior Design	X	X	X
ECGR 3159	Professional Practice	X	X	
ECGR 3180	Data Structures and Algorithms in C++	X		X
ECGR 3183	Computer Organization	X	X	
ECGR 4123	Analog and Digital Communication	X		
ECGR 4124	Digital Signal Processing	X	X	
ECGR 4241	Electrical Engineering Senior Design I	X	X	
ECGR 4251	Computer Engineering Senior Design I	X	X	
ECGR 4242	Electrical Engineering Senior Design II	X	X	
ECGR 4252	Computer Engineering Senior Design II	X	X	
ECGR 4433	VLSI Systems Design	X	X	
ENGR 1202 EC	Introduction to Engineering Practices & Principles II - ECE	X	X	
ENGR 3295	Multidisciplinary Professional Development	X	X	