

**Computer Engineering Academic Plan of Study  
Effective Fall 2019**

Freshman Year					
Fall			Spring		
ENGR 1201	Engineering Practices & Prin. I	2	ENGR 1202E	Engineering Practices & Prin. II	2
LBST XXXX	LBST 11XX, 21XX, 22XX	3	PHYS 2101	Physics for Science and Engineering I	3
UWRT XXXX	URWT 1103 or 1104	3	PHYS 2101L	Laboratory	1
MATH 1241	Calculus I	3	MATH 1242	Calculus II	3
ECGR 2103	Computer Utilization in C++	3	ECGR 2104	Computer Engineering Prog. II	3
			LBST XXXX	LBST 11XX, 21XX, 22XX	3
	Semester hours	14		Semester hours	15
Sophomore Year					
Fall			Spring		
ECGR 2111	Network Theory I	3	ECGR 2112	Network Theory II	3
ECGR 2155	Instrumentation and Networks Lab	1	ECGR 2156	Logic and Networks Laboratory	1
ECGR 2181	Logic System Design I	3	ECGR 2254	Engineering Analysis	3
MATH 2171	Differential Equations	3	MATH 2241	Calculus III	3
PHYS 2102	Physics for Science and Eng. II	3	MATH 2164	Matrices and Linear Algebra	3
PHYS 2102L	Laboratory	1	LBST 2301	Critical Thinking and Communication	3
	Semester hours	14		Semester hours	16
Junior Year					
Fall			Spring		
ECGR 3111	Signals and Systems	3	ECGR 3101	Embedded Systems	3
ECGR 3131	Fundamentals of Electronics/Semiconductors	3	ECGR 3123	Data Communications & networking	3
ECGR 3155	Systems and Electronics Lab	1	ECGR 3183	Comp. Organization and Prog. Language	3
ECGR 3180	Data Structures and Algorithms in C++	3	ECON 2101 or ECON 2102	Economics Macro or Economics Micro	3
LBST XXXX	LBST 11XX, 21XX or 22XX	3	ECGR 3157	ECE Junior Design	3
MATH 1165	Intro. To Discrete Structures	3			
	Semester hours	16		Semester hours	15
Senior Year					
Fall			Spring		
ECGR 4251	Senior Design I	2	ECGR 4252	Senior Design II	2
ECGR 4124	Digital Signal Processing	3	ECGR 3159	Professional Practice	1
ECGR 4433	VLSI System Design	3	ECGR 4XXX	4000 Level ECGR Course	3
ECGR 4XXX	4000 Level ECGR Course	3	ECGR 4XXX	4000 Level ECGR Course	3
ENGR 3295	Professional Development	1	XXXX XXXX	Technical Elective #1	3
STAT 3128	Probability & Statistics for Eng	3	XXXX XXXX	Technical Elective #2	3
	Semester hours	15		Semester hours	15

