2021-2022 Electrical Engineering Undergraduate Program

SEMESTER ONE		Credits
Select one		
CHM2045	**General Chemistry 1 (Critical Tracking; State Core Gen Ed Biological and Physical Sciences)** or	**3**
CHM2095	**Chemistry for Engineers 1 (Critical Tracking; State Core Gen Ed Biological and Physical Sciences)**	
CHM2045L	General Chemistry 1 Laboratory (Gen Ed Physical Sciences	**1**
MAC2311	Analytic Geometry and Calculus 1 (**Critical Tracking**; State Core Gen Ed Mathematics)	**4**
EGN2020C	Engineering Design and Society (Gen Ed Physical Science)	**2**
Quest 1	-Gen Ed Humanities (Writing Requirement)	**3**
State-Core	Composition (Writing Requirement)	**3**
CREDITS		**16**
SEMESTER TWO		
MAC2312	Analytic Geometry and Calculus 2 (**Critical Tracking**; Gen Ed Mathematics)	4
PHY2048	Physics with Calculus 1 (**Critical Tracking**; Gen Ed Physical Sciences)	3
EEL3000	Introduction to Electrical Engineering	2
Computer Programming elective		3
Quest 2- Gen Ed Social and Behavioral Sciences/Diversity (Writing Requirement)		3
CREDITS		**15**
SEMESTER THREE		
MAC2313	Analytic Geometry and Calculus 3 (**Critical Tracking**; Gen Ed Mathematics)	4
PHY2049	Physics with Calculus 2 (**Critical Tracking**; Gen Ed Physical Sciences)	3
EEL3701C	Digital Logic and Computer Systems	4
EEL3850	Data Science for ECE	4
CREDITS		**15**
SEMESTER FOUR		
EEL3111C	Circuits 1	4
EEL3135	Introduction to Signals & Systems	4
MAP2302	Elementary Differential Equations (**Critical Tracking**)	3
State Core Humanities with International (Writing Requirement)		3
CREDITS		**14**
Summer after Semester four		
EEL3008	Physics of EE	3
EEE3308C	Electronic Circuits 1	4
Approved Writing Course (WR)		3
CREDITS		**10**
SEMESTER FIVE		
EEL3112	Circuits 2	3
EEL4XXX	Computer Programming 2	3
ENC3246	Professional Communication for Engineers (State Core Composition; Writing Requirement)	3
State Core Social and Behavioral Sciences		3
Electrical Engineering Breadth 1 [1]		3-4
CREDITS		**15-16**
SEMESTER SIX		
Electrical Engineering Breadth electives #2 and #3 (**Critical Tracking**) [1]		6-8
Electrical Engineering Depth elective #1 (**Critical Tracking**) [1]		3
Interdisciplinary elective #1		3
CREDITS		**12-14**
SEMESTER 7		
EEL3923C	Electrical Engineering Design 1 (**Critical Tracking**) [1]	3
Electrical Engineering Depth elective #2 (**Critical Tracking**) [1]		3
Electrical Engineering Technical electives (**Critical Tracking**)		10
CREDITS		**16**
SEMESTER 8		
EEL4924C Or EGN4952	Electrical Engineering Design 2 (**Critical Tracking**) [1] OR Integrated Product and Process Design 2 (**Critical Tracking**) *	3
Electrical Engineering Technical electives (**Critical Tracking**)		6-9
Interdisciplinary elective #2		3
CREDITS		**12-15**
Total Credits		**128**