

Department of Electrical and Computer Engineering
Bachelor of Science in Electrical Engineering
Major Code: ELEN
Effective 2019-2020

Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		Freshman Year: Second Semester	
ENGL 100	3	ENGL 101	3
MATH 131	4	PHYS 241	3
ECEN 101	3	PHYS 251	1
GEEN 100	2	MATH 132	4
GEEN 111	1	CHEM 106	3
COMP 163	3	CHEM 116	1
Semester Total	16	Semester Total	15
Sophomore Year: First Semester		Sophomore Year: Second Semester	
PHYS 242	3	Social/Behavioral Science	3
PHYS 252	1	MATH 351	3
MATH 231	4	ECEN 212	3
MATH 341	3	ECEN 218	1
ECEN 200	3	ECEN 300	3
ECEN 206	1	ECEN 306	1
Semester Total	15	MEEN 230	3
		Semester Total	17
Junior Year: First Semester		Junior Year: Second Semester	
Knowledge of African-American Culture and History	3	ECEN 351	3
ECEN 320	3	ECEN 357	1
ECEN 326	1	ECEN 400	3
ECEN 325	3	ECEN 450	3
ECEN 356	3	ECEN 460	3
Global Awareness	3	ECEN 466	1
Semester Total	16	Semester Total	14
Senior Year: First Semester		Senior Year: Second Semester	
ECEN 478 ^a	3	ECEN 479 ^a	3
ECEN 4xx ^b	3	ECEN 4xx ^b	3
ECEN 4xx ^b	3	ECEN 4xx ^b	3
ECEN 4xx ^b	3	ECEN 4xx ^c	3
ISEN 260	2	SPCH 250 ^d	3
Semester Total	14	Semester Total	15

Total Credit Hours: 122

^aCapstone Design Course

^bTechnical Elective (maximum of 2 courses from a given area); (ECEN 449, ECEN 452, ECEN 459), (ECEN 426, ECEN 408, ECEN 470), (ECEN 423, ECEN 441, ECEN 447, ECEN 421), (ECEN 474, ECEN 477, ECEN 468, ECEN 461)

^cTechnical Elective (ECEN 410, ECEN 430, ECEN 462, ECEN 472)

^dThis course satisfies the Humanities/Fine Arts Elective requirement

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better in the following courses:

ECEN 101	ECEN 356
ECEN 200	ECEN 357
ECEN 206	ECEN 400
ECEN 212	ECEN 450
ECEN 218	ECEN 460
ECEN 300	ECEN 466
ECEN 306	ECEN 478
ECEN 320	ECEN 479
ECEN 325	COMP 163
ECEN 326	All Technical Electives
ECEN 351	