Department of Electrical and Computer Engineering
Bachelor of Science in Electrical Engineering
Major Code: ELEN
Effective 2020-2021

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		ECEN 351	3
Culture and History	3	ECEN 357	1
ECEN 320	3	ECEN 400	3
ECEN 326	1	ECEN 450	3
ECEN 325	3	ECEN 460	3
ECEN 356	3	ECEN 466	1
Global Awareness	3	**Semester Total**	**14**
Semester Total	**16**		
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

[a]Capstone Design Course

[b]Technical 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)

[c]Technical Elective (ECEN 410, ECEN 430, ECEN 462, ECEN 472)

[d]This 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 351
ECEN 200	ECEN 356
ECEN 206	ECEN 357
ECEN 212	ECEN 400
ECEN 218	ECEN 450
ECEN 300	ECEN 460
ECEN 306	ECEN 466
ECEN 320	ECEN 478
ECEN 325	ECEN 479
ECEN 326	COMP 163