

Department of Electrical and Computer Engineering
Bachelor of Science in Electrical Engineering
Major Code: ELEN

Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		Freshman Year: Second Semester	
ENGL 100	3	ENGL 101	3
ECEN 101	3	Social/Behavioral Science Elective	3
GEEN 100	2	PHYS 241	3
CHEM 106	3	PHYS 251	1
CHEM 116	1	MATH 132	4
MATH 131	4	COMP 163	3
GEEN 111	1	Semester Total Hours	17
Semester Total Hours	17		
Sophomore Year: First Semester		Sophomore Year: Second Semester	
PHYS 242	3	Knowledge of African-American Culture and History	3
PHYS 252	1	MATH 450	3
MATH 231	4	ECEN 300	3
MATH 431	3	ECEN 306	1
ECEN 200	3	ECEN 327	3
ECEN 206	1	ECEN 328	1
Semester Total Hours	15	ECEN 325	3
		Semester Total Hours	17
Junior Year: First Semester		Junior Year: Second Semester	
ECEN 400	3	ECEN 427	3
ECEN 356	3	ECEN 433	1
ECEN 320	3	ECEN 460	3
ECEN 326	1	ECEN 466	1
MEEN 313	3	ECEN 450	3
SPCH 250 ^c	3	Global Awareness	3
Semester Total Hours	16	Semester Total Hours	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 410 or ECEN 430	3	ECEN 4xx ^b	3
ISEN 260	2	Semester Total Hours	12
Semester Total Hours	14		

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)

^cThis 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 410
ECEN 200	ECEN 427
ECEN 206	ECEN 430
ECEN 300	ECEN 433
ECEN 306	ECEN 450
ECEN 320	ECEN 460
ECEN 325	ECEN 466
ECEN 326	ECEN 478
ECEN 327	COMP 163
ECEN 356	All Technical Electives
ECEN 400	