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

Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		**Freshman Year: Second Semester**	
ENGL 100	3	ENGL 101	3
ECEN 101	3	PHYS 241	3
MATH 131	4	PHYS 251	1
GEEN 100	2	MATH 132	4
GEEN 111	1	CHEM 106	3
COMP 163	3	CHEM 116	1
Semester Total Hours	**16**	**Semester Total Hours**	**15**
Sophomore Year: First Semester		**Sophomore Year: Second Semester**	
PHYS 242	3	MATH 231	4
PHYS 252	1	COMP 280	3
MATH 341	3	ECEN 200	3
COMP 167	3	ECEN 206	1
ECEN 212	3	ECEN 323	3
ECEN 218	1	ECEN 329	1
ECEN 227	3	**Semester Total Hours**	**15**
Semester Total Hours	**17**		
Junior Year: First Semester		**Junior Year: Second Semester**	
COMP 285	3	Knowledge of African-American Culture and History	3
ECEN 300	3	ECEN 320	3
ECEN 306	1	ECEN 326	1
ECEN 351	3	ECEN 356	3
ECEN 357	1	ECEN 375	3
Social/Behavioral Science	3	ECEN 400	3
Semester Total Hours	**14**	**Semester Total Hours**	**16**
Senior Year: First Semester		**Senior Year: Second Semester**	
ECEN 478[a]	3	ECEN 479[a]	3
Technical Elective[b]	3	Technical Elective[b]	3
Technical Elective[b or c]	3	Technical Elective[b or c]	3
ECEN 421	3	COMP 350	3
SPCH 250[d]	3	Global Awareness	3
Semester Total Hours	**15**	**Semester Total Hours**	**15**

Total Credit Hours: 123

[a]Capstone Design Courses
[b]Must choose from these courses: ECEN 325, ECEN 424, ECEN 441, ECEN 447, ECEN 457, ECEN 459, or ECEN 485 (approved case-by-case)
[c]Must choose from these courses: COMP 322, COMP 360, COMP 4xx, or ECEN 4xx
[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 375
ECEN 218	ECEN 400
ECEN 227	ECEN 421
ECEN 300	ECEN 478
ECEN 306	ECEN 479
ECEN 320	COMP 163
ECEN 323	COMP 167
ECEN 326	COMP 280
ECEN 329	