

SCHOOL OF SCIENCE AND ENGINEERING

PROGRAM OF STUDY IN ELECTRICAL ENGINEERING

FRESHMAN YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
ENG 131	Analysis & Argumentation	3	ENG 132	Information, Literacy & Research	3
MATH 143	Calculus I	4	MATH 144	Calculus II	4
HIST 130	African American History	3	CSC 135	Introduction to Programming	3
CSC 132	Intro to Computing and Programming Concepts	3		Global and Intercultural	3
ENGR 130	Introduction to Engineering	3	STEM 112	The College Experience II	1
STEM 111	The College Experience	1			
Total		17	Total		14

SOPHOMORE YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
MATH 237	Differential Equations I	3	MATH 336	Discrete Mathematics	3
PHYS 233	Principles of Physics I	3	PHYS 234	Principles of Physics II	3
PHYS 213L	Principles of Physics I Lab	1	PHYS 214L	Principles of Physics II Lab	1
*EE 231	Circuits I	3	*EE 232	Circuits II	3
*EE 211 L	Circuits I Lab	1	*EE 212L	Circuits II Lab	1
*CE 231	Digital Circuits	3	*EE 233	Electronics I	3
*CE 211L	Digital Circuits Lab	1	*EE 213L	Electronics I Lab	1
CSC 136	Algorithm Design I	3	STEM 221	Professional Pathways Dev.	2
Total		18	Total		17

JUNIOR YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
MATH 241	Calculus III	4		Health and Wellness	2
MATH 230	Linear Algebra	3	PHYS 332	Dynamics	3
*EE 330	Systems and Signals	3	*EE 332	Digital Signal Processing	3
*EE 334	Electronics II	3	*CE 332	Embedded Systems	3
*EE 314L	Electronics II Lab	1	MATH 236	Probability and Statistics	3
*EE 333	Electromagnetics	3	ENG 237	Oral Communication	3
ENGR 321	Engineering Professional Development	2			
Total		19	Total		17

SENIOR YEAR

<i>First Semester</i>		<i>SCH</i>	<i>Second Semester</i>		<i>SCH</i>
FS/SPIAR 233	Intermediate Foreign Language	3	*EE 434	Control Systems	3
*CSC 231	Assembly Language	3	*EE 435	Applied Electromagnetics	3
*EE 433	Electric Energy Power Systems	3	*EE 428	Senior Design Project II	2
ENGR 331	Engineering Economics	3	*EE 431	Communication Systems	3
*EE 427	Senior Design Project I	2		Global and Intercultural Learning	3
Total		14	Total		14

Total SCH 130

SCH in Major* 51

*Major courses require a "C" or better.