

SCHOOL OF SCIENCE AND ENGINEERING

PROGRAM OF STUDY IN PHYSICS

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	
ENGR 130	Introduction to Engineering	3		ENGR 132	Engineering Graphics and Design	3	
	Health and Wellness	2			Global and Intercultural Learning	3	
STEM 111	The College Experience	1		STEM 112	The College Experience II	1	
Total			16	Total			17

SOPHOMORE YEAR

<i>First Semester</i>			<i>SCH</i>	<i>Second Semester</i>			<i>SCH</i>
MATH 237	Differential Equations I	3		CHEM 138	Principles of Chemistry II	3	
CSC 136	Algorithm Design I	3		CHEM 118L	Principles of Chemistry II Lab	1	
CHEM 137	Principles of Chemistry I	3		*PHYS 234	Principles of Physics II	3	
CHEM 117L	Principles of Chemistry I Lab	1		*PHYS 214L	Principles of Physics II Lab	1	
*PHYS 233	Principles of Physics I	3		MATH 238	Differential Equations II	3	
*PHYS 213L	Principles of Physics I Lab	1		ENG 237	Oral Communication	3	
STEM 221	Professional Pathways Dev.	2		CSC 138	Algorithm Design II	3	
Total			16	Total			17

JUNIOR YEAR

<i>First Semester</i>			<i>SCH</i>	<i>Second Semester</i>			<i>SCH</i>
MATH 241	Calculus III	4		MATH 236	Probability and Statistics	3	
*PHYS 331	Statics	3		*PHYS 332	Dynamics	3	
*PHYS 333	Principles of Physics III	3		*PHYS 336	Electricity and Magnetism	3	
*PHYS 334	Thermal Physics	3		FS/SP/AR 233	Intermediate Foreign Language	3	
PHIL 330	Critical Thinking and Logic	3			Global and Intercultural	3	
Total			16	Total			15

SENIOR YEAR

<i>First Semester</i>			<i>SCH</i>	<i>Second Semester</i>			<i>SCH</i>
MATH 230	Linear Algebra	3		*PHYS 436	Intro to Quantum Mechanics	3	
*PHYS 431	Modern Physics I	3		*PHYS 432	Modern Physics II	3	
*PHYS 435	Optics	3		*PHYS 444	Adv. Modern Physics Lab	4	
	Elective	6		*PHYS 338	Modern Electronics	3	
					Electives	3	
Total			15	Total			16

Total SCH 128

SCH in Major* 42

*Major courses require a "C" or better.