

# SCHOOL OF SCIENCE AND ENGINEERING

## PROGRAM OF STUDY IN ENVIRONMENTAL 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	
CHEM 137	Principles of Chemistry I	3		CHEM 138	Principles of Chemistry II	3	
CHEM 117L	Principles of Chemistry I Lab	1		CHEM 118L	Principles of Chemistry I Lab	1	
ENGR 130	Introduction to Engineering	3		HIST 130	African American History	3	
STEM 111	The College Experience I	1		STEM 112	Global and Intercultural Learning The College Experience II	3 1	
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>18</b>

### SOPHOMORE YEAR

<i>First Semester</i>			<i>SCH</i>	<i>Second Semester</i>			<i>SCH</i>
MATH 237	Differential Equations	3		ENGR 132	Introduction to Engr. Software	3	
*ENVE 230	Env. Engineering Fund I	3		PHYS 234	Principles of Physics II	3	
*ENVE 210L	Env. Engineering Fund I Lab	1		PHYS 214L	Principles of Physics II Lab	1	
BIO 137	Principles of Biology I	3		*ENVE 231	Env. Engineering Fund. II	3	
BIO 117L	Principles of Biology I Lab	1		*ENVE 331	Introduction to Fluid Mechanics	3	
PHYS 233	Principles of Physics I	3		*ENVE 311L	Fluid Mechanics Lab	1	
PHYS 213L	Principles of Physics I Lab	1		FR/SP/AR 233	Intermediate Foreign Language	3	
STEM 221	Professional Pathways Dev.	2					
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>17</b>

### JUNIOR YEAR

<i>First Semester</i>			<i>SCH</i>	<i>Second Semester</i>			<i>SCH</i>
ENG 237	Oral Communication	3		*ENVE 330	Environmental Chemistry	3	
*ENVE 233	Engineering Geology	3		*ENVE 332	Surface Water Quality & Hydro	3	
*ENVE 337	Groundwater Hydrology	3		*ENVE 334	Air Quality Engineering	3	
MATH 241	Calculus III	4		MATH 236	Probability and Statistics	3	
PHYS 331	Statics	3			Global and Intercultural	3	
ENGR 321	Engineering Professional Dev.	2					
<b>Total</b>			<b>18</b>	<b>Total</b>			<b>15</b>

### SENIOR YEAR

<i>First Semester</i>			<i>SCH</i>	<i>Second Semester</i>			<i>SCH</i>
*ESC 230	Solid Hazd. Waste Management	3		*ENVE 428	Senior Design Project II	2	
*ESC 439	Water/Wastewater Treatment	3		*ENVE 431	Soil and GW Pollution Remed.	3	
*ESC 419L	Water/Wastewater Treatment Lab	1		*ENVE	Environ. Engineering Elective	3	
*ENVE 427	Senior Design Project I	2			Elective	3	
PHYS 334	Thermal Physics	3			Health and Wellness	2	
ENGR 331	Engineering Economics	3					
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>13</b>

Total SCH 128  
SCH in Major\* 43

\*Major courses require a "C" or better.

ENVE elective courses: PHYS 332 Dynamics, ESC 434 Toxicology, ESC 335 Environmental Forensics, ENVE 432 Adv. Wastewater Treatment, ENVE 434 Adv. Solid Waste Management