

<b>Environmental Engineering</b>	Total Credit Hours	1	2	3	4	5	6	7	8
<b>Subjects Required by all Programs (55 hours)</b>									
Mathematics 115, 116, 215, 216	16	4	4	4	4	-	-	-	-
Engineering 100, Introduction to Engineering	4	4	-	-	-	-	-	-	-
Engineering 101, Introduction to Computers	4	-	4	-	-	-	-	-	-
Chemistry 130 and 125/126	5	5	-	-	-	-	-	-	-
Physics 140 with Lab 141 <sup>2</sup>	5	-	5	-	-	-	-	-	-
Physics 240 with Lab 241 <sup>2</sup>	5	-	-	5	-	-	-	-	-
Intellectual Breadth (includes Economics 101 or 102)	16	4	4	-	-	-	4	4	-
<b>Mathematical Methods (7 hours) +</b>									
CEE 303, Computational Methods	4	-	-	-	-	-	4	-	-
CEE 373, Statistical Methods	3	-	-	-	-	3	-	-	-
<b>Technical Core Subjects (32 hours)<sup>3</sup> +</b>									
Chemistry 210, Structure & Reactivity I	4	-	-	-	4	-	-	-	-
CEE 200, Intro to Civil & Environmental Engineering	1	-	-	-	1	-	-	-	-
CEE 211, Statics and Dynamics	4	-	-	4	-	-	-	-	-
CEE 230, Thermodynamics and the Environment	3	-	-	3	-	-	-	-	-
CEE 265, Sustainable Engineering Principles	3	-	-	-	3	-	-	-	-
CEE 325, Fluid Mechanics	4	-	-	-	4	-	-	-	-
CEE 365, Environmental Engineering Principles	4	-	-	-	-	4	-	-	-
CEE 366, Environmental Engineering Laboratory	2	-	-	-	-	-	2	-	-
CEE 421, Hydrology and Floodplain Hydraulics	4	-	-	-	-	-	-	4	-
CEE 465, Environmental Process Engineering	3	-	-	-	-	-	3	-	-
<b>Environmental Sciences (9 hours) +</b>									
Earth Science Elective: CLIMATE 320, 410, 463 or 475; EARTH 305, 315, 321, 323, 442, 451 or 477	3	-	-	-	-	3	-	-	-
CEE 481/581, Aquatic Chemistry	3	-	-	-	-	-	3	-	-
CEE 482/582, Environmental Microbiology	3	-	-	-	-	-	-	3	-
<b>Environmental Engineering Design (4 hours) +</b>									
CEE 402, Professional Issues and Design	4	-	-	-	-	-	-	-	4
<b>Technical Electives (9 hours)<sup>4</sup> +</b>									
<i>Water Quality and Health:</i> CEE 428*, CEE 480*, CHE 342, EHS 500	9	-	-	-	-	-	-	3	6
<i>Atmospheric and Earth Systems:</i> CEE 549, CEE 563*, CEE 564, CLIMATE 463, CLIMATE 467, EARTH 413									
<i>Environmental Fluid Dynamics:</i> CEE 428*, CEE 521, CEE 522, CEE 526*									
<i>Energy and Sustainable Infrastructure:</i> CEE 567, UP 423, EARTH 344									
<i>Environmental Policy and Entrepreneurship:</i> ENGR 520, EAS 475, CLIMATE 480, ME 589									
<b>General Electives (12 hours)</b>	12	-	-	-	-	4	-	2	6
<b>Total</b>	<b>128</b>	<b>17</b>	<b>17</b>	<b>16</b>	<b>16</b>	<b>14</b>	<b>16</b>	<b>16</b>	<b>16</b>

Candidates for the Bachelor of Science degree in Engineering (Environmental Engineering) - B.S.E. (Env.E.) - must complete the program listed above. This sample schedule is an example of one leading to graduation in eight terms.

**Notes:****Fall Winter**

(+) Environmental Engineering students must earn a C- or better in all courses whose categories are marked with a plus.

<sup>1</sup> If you have a satisfactory score or grade in Chemistry AP, A-Level, IB Exams, or transfer credit from another institution for Chemistry 130/125/126, you will have met the Chemistry Core Requirement for the College of Engineering

<sup>2</sup> If you have a satisfactory score or grade in Physics AP, A-Level, IB Exams, or transfer credit from another institution for Physics 140/141 and 240/241, you will have met the Physics Core Requirement for the College of Engineering.

<sup>3</sup> CEE may accept equivalent courses offered by other departments in the College of Engineering, with permission of the program advisor.

(\*) <sup>4</sup> At least two of the three technical electives must be CEE courses, including one design course: CEE 428, 480, 526, or 563

Subject	Prerequisite(s)	Must Be Taken Before	Semester(s) Offered
<b>College Requirements</b>			
Math 115		Math 116	Fall, Winter, Spring, Summer
Math 116	Math 115	Math 215, CEE 230, CEE 265	Fall, Winter, Spring, Summer
Math 215	Math 116	Math 216	Fall, Winter, Spring, Summer
Math 216	Math 116	CEE 303	Fall, Winter, Spring, Summer
Engr 100			Fall, Winter
Engr 101	Math 115 (or concurrent)	CEE 303, CEE 373	Fall, Winter
Chem 130		CEE 230, CEE 265	Fall, Winter, Spring
Chem 125/126		CEE 581	Fall, Winter, Spring
Phys 140/141	Math 115	CEE 211	Fall, Winter, Spring
Phys 240/241	Phys 140, Math 116		Fall, Winter, Spring
<b>Mathematical Methods</b>			
CEE 303	Math 216, Engr 101	CEE 421	Winter
CEE 373	Math 215, Math 216		Fall
<b>Technical Core Subjects</b>			
Chem 210	CHEM 130		Fall, Winter, Spring, Summer
CEE 200			Fall, Winter
CEE 211	Physics 140	CEE 212, CEE 325	Fall, Winter
CEE 230	Math 116, Chem 130 & 125/126		Fall
CEE 265	Math 116, Chem 130	CEE 365	Fall, Winter
CEE 325	CEE 211	CEE 421	Fall, Winter
CEE 365	Chem 130, Math 116	CEE 465	Fall
CEE 366	CEE 365 (or concurrent)		Winter
CEE 421	CEE 303, CEE 325	CEE 521	Fall
CEE 465	CEE 325, CEE 365	CEE 480	Winter
<b>Environmental Sciences</b>			
CLIMATE 320	Math 116		
CLIMATE 410	Climate 320, 321 advised		
CLIMATE 475	Senior standing		
EARTH 305	Introductory geology lab		Fall
EARTH 315	CHEM 130		Fall
EARTH 321	MATH 215, MATH 216		Winter
EARTH 323			Winter
EARTH 442	Math 115, Chem 130		Fall
EARTH 451			Winter
EARTH 477	Math 115		Fall
CEE 481/581	Chem 130		Winter
CEE 482/582	Chem 130		Fall
<b>Environmental Engr Design</b>			
CEE 402	Senior Standing		Winter
<b>Technical Electives</b>			
Water Quality and Health			
CEE 428	CEE 325, CEE 345 or 366		Fall
CEE 480	CEE 465		Fall
CHE 342	CHE 230, CHE 341, Math 216		Fall
EHS 500			
Atmospheric and Earth Systems			
CEE 549	CEE 345		Winter
CEE 563	CEE 230 and CEE 325 or equiv.		Winter
CEE 564			Winter
CLIMATE 463	Math 215		
CLIMATE 467	Math 116, Chem 210, Physics 240		
EARTH 413			
Environmental Fluid Dynamics			
CEE 428	CEE 325, CEE 345 or 366		Fall
CEE 521	CEE 325		Fall
CEE 522	CEE 325		Fall
CEE 526	CEE 325		Winter
Energy & Sustainable Infrastructure			
CEE 567	CEE 230 recommended		Fall
URP 423			
EARTH 344			
Environ Policy & Entrepreneurship			
ENGR 520	Senior Standing		
NRE 475			
CLIMATE 480	Senior Standing, Math 216		