

Environmental Engineering Sample Schedule Updated 3/17/2021									
Subjects Required by All Programs (55 Hours)	Credit Hours	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
MATH 115, 116, 215, 216	16	4	4	4	4	-	-	-	-
ENGR 100, Intro to Engineering	4	4	-	-	-	-	-	-	-
ENGR 101, Intro to Computers	4	-	4	-	-	-	-	-	-
CHEM 130 & 125/126	5	5	-	-	-	-	-	-	-
PHYSICS 140 with Lab 141 ²	5	-	5	-	-	-	-	-	-
PHYSICS 240 with Lab 241 ²	5	-	-	5	-	-	-	-	-
Intellectual Breadth (includes ECON 101 or 102)	16	4	4	-	-	4	4	-	-
Mathematical Methods (7 Hours)+									
CEE 303, Computational Methods	4	-	-	-	-	-	4	-	-
CEE 373, Statistical Methods	3	-	-	-	-	3	-	-	-
Technical Core Subjects (33 Hours)³⁺									
CHEM 210, Structure & Reactivity	3	-	-	-	3	-	-	-	-
CEE 200, Intro to Civil & Environmental Engineering	1	-	-	-	1	-	-	-	-
CEE 211, Statics & 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	3	-	-	-	-	-	3	-	-
CEE 421, Hydrology and Floodplain Hydraulics	4	-	-	-	-	-	-	4	-
CEE 465, Environmental Process Engineering	3	-	-	-	-	-	3	-	-
Environmental Sciences (9 Hours)+									
Earth Science Elective (CLIMATE 320, 410, 463 or 475, or 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	-
Environmental Engineering Design (4 hours)+									
CEE 402, Professional Issues and Design ^{5*}	4	-	-	-	-	-	-	-	4
Technical Electives (9 Hours)⁴⁺									
<i>Water Quality and Health:</i>									
CEE 428*, CEE 480*, CHE 342, PUBHLTH 305									
<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*	9	-	-	-	-	-	3	3	3
<i>Energy and Sustainable Infrastructure:</i>									
CEE 567, URP 423, EARTH 344									
<i>Environmental Policy and Entrepreneurship:</i>									
ENGR 520, EAS 475, CLIMATE 480, ME 589									
General Electives (12 Hours)	12	-	-	-	-	4	-	4	4
Total	128	17	17	16	15	15	17	17	14

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: CEE courses offered only in **Fall** are in purple. CEE courses offered only in **Winter** are in green.

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

¹- 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.

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

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

⁴- At least two of the three technical electives must be CEE courses, including one design course: CEE 428, 480, 526 or 563.

⁵- CEE 402 must be taken in the last Winter semester.

The design courses are marked with an *

Environmental Engineering Major			
Subject	Prerequisite(s)	Must Be Taken Before	Semesters Offered
College Requirements			
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 481/581	Fall, Winter Spring
PHYS 140/141	MATH 115	CEE 211	Fall, Winter Spring
PHYS 240/241	PHYS 140, MATH 116		Fall, Winter Spring
Mathematical Methods			
CEE 303	MATH 216, ENGR 101	CEE 421	Winter
CEE 373	MATH 215, MATH 216		Fall
Technical Core Subjects			
CHEM 210	CHEM 130		Fall, Winter, Spring, Summer
CEE 200			Fall, Winter
CEE 211	PHYS 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		Winter
CEE 421	CEE 303, CEE 325	CEE 521	Fall
CEE 465	CEE 325, CEE 365	CEE 480	Winter
Environmental Sciences			
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
Environmental Engineering Design			
CEE 402	Senior Standing		Winter
Technical Electives			
<i>Water Quality & Health</i>			
CEE 428	CEE 325, CEE 345 or 366		Fall
CEE 480	CEE 465		Fall
CHE 342	CHE 230, CHE 341, MATH 216		Fall
PUBHLTH 305			
<i>Atmospheric & Earth Systems</i>			
CEE 549	CEE 345		Winter
CEE 563	CEE 230, CEE 325 or equivalent		Winter
CEE 564	CEE 230 or Equivalent Advised		Fall
CLIMATE 463	MATH 215		
CLIMATE 467	MATH 116, CHEM 210, PHYSICS 240		
EARTH 413			
<i>Environmental Fluid Dynamics</i>			
CEE 428	CEE 325, CEE 345 or 366		Fall
CEE 521	CEE 325		Fall
CEE 522	CEE 325		Fall
CEE 526	CEE 325		Winter
<i>Energy & Sustainable Infrastructure</i>			
CEE 567	CEE 230 recommended		Fall
URP 423			
EARTH 344			
<i>Environmental Policy & Entrepreneurship</i>			
ENGR 520	Senior Standing		
EAS 475			
CLIMATE 480	Senior Standing, MATH 216		
ME 589	CEE 265 Advised		Fall