revised: 11/4/2024

Environmental Engineering Sample Schedule	Credit Hours	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	Term 7	Term 8
Subjects Required by all Programs (55 hours)									
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 or CHEM 210 and 211[1]	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 (32 hours)[3]+									
CHEM 210, Structure & Reactivity	3	-	-	-	3	-	-	-	-
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	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 & Design[5]	4	-	-	-	-	-	-	-	4
Technical Electives (9 hours)[4]+									
Water Quality and Health: CEE 428*, CEE 480*,CEE 590, CHE 342, PUBHLTH 305 *Atmospheric and Earth Systems:* *CEE 549* CEE 563*, CEE 564*, CLIMATE 463, CLIMATE 467, EARTH 413 *Environmental Fluid Dynamics:* CEE 428*, CEE 521, CEE 522, CEE 526* *Energy and Sustainable Infrastructure:* CEE 567, URP 423, EARTH 344 *Environmental Policy and Entrepreneurship:* ENGR 520, EAS 475, CLIMATE 480, ME 589	9	-	-	-	-	-	3	3	3
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: Courses offered only in the fall term are purple. Courses offered only in the winter term are 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 140/141 and 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, 563, or 564 (design courses are marked with an *).

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

Environmental Engineering BSE			
Subject	**Prerequisite(s)**	**Must Be Taken Before**	**Term(s) Offered**
College Requirements			
CHEM 125/126		CEE 230, CEE 481/581	Fall, Winter, Spring
CHEM 130		CEE 230, CEE 265	Fall, Winter, Spring
ENGR 100			Fall, Winter
ENGR 101	Prior or concurrent enrollment in MATH 115	CEE 303	Fall, Winter
MATH 115		MATH 116, PHYSICS 140	Fall, Winter, Spring, Summer
MATH 215	MATH 116	CEE 373	Fall, Winter, Spring, Summer
MATH 216	MATH 116	CEE 303, CEE 373	Fall, Winter, Spring, Summer
MATH116	MATH 115	MATH 215, 216; PHYSICS 240; CEE 230, CEE 265	Fall, Winter, Spring, Summer
PHYS 140/141	MATH 115	CEE 211, PHYSICS 240	Fall, Winter, Spring
PHYS 240/241	PHYSICS 140, MATH 116		Fall, Winter, Spring
Mathematical Methods			
CEE 303	ENGR 101, MATH 215, MATH 216	CEE 421	Winter
CEE 373	MATH 215, MATH 216 C or better	CEE 366	Fall
Technical Core Subjects			
CEE 200			Fall, Winter
CEE 211	PHYSICS 140	CEE 212, CEE 325	Fall, Winter
CEE 230	MATH 116, CHEM 130 & 125/126 or CHEM 210 & 211		Fall
CEE 265	MATH 116, CHEM 130	CEE 365	Fall, Winter
CEE 325	CEE 211	CEE 421, CEE 428, CEE 465, CEE 521, CEE 522, CEE 526, CEE 563	Fall, Winter
CEE 365	CHEM 130, MATH 116, CEE 265	CEE 465	Fall
CEE 366	CEE 365, CEE 373	CEE 428	Winter
CEE 421	CEE 303, CEE 325	CEE 521 (or concurrent with)	Fall
CEE 465	CEE 325, CEE 365	CEE 480	Fall
CHEM 210	Placement by examination.		Fall, Winter, Spring, Summer
Environmental Sciences			
CEE 481/581	CHEM 130 or 210 Higher level Chem, Senior Standing		Winter
CEE 482/582	CHEM 130		Fall
CLIMATE 320	MATH 115, MATH 116		Fall
CLIMATE 410	CLIMATE 320, CLIMATE 321 advised		Fall
CLIMATE 475	Senior Standing		Winter
EARTH 305	Introductory geology lab		Fall
EARTH 315	EARTH 131 or CHEM 130 or 210 or 230		Fall
EARTH 321	MATH 215, MATH 216, CLIMATE 320		Winter
EARTH 323			Winter
EARTH 442	MATH 115, (EARTH 131 or CHEM 130)		Fall
EARTH 451	Permission of Instructor		Winter
EARTH 477	MATH 116		Fall
Environmental Engineering Design			
CEE 402	Senior Standing		Winter
Technical Electives			
Water Quality and Health			
CEE 428	CEE 325, (CEE 345 or CEE 366)		Fall
CEE 480	CEE 465		Fall
CEE 590	CEE 465		Winter
CHE 342	CHE 230, CHE 341, (MATH 216 or 256 or 286 or 316) C or better		Fall
PUBHLTH 305			Winter
Atmospheric and Earth Systems			
CEE 549	CEE 345		Winter
CEE 563	CEE 230, CEE 325		Winter
CEE 564	CEE 230		Fall
CLIMATE 463	MATH 215		Winter
EARTH 413	(EARTH 131 or CHEM 130), EARTH 313, EARTH 325		Fall
Environmental Fluid Dynamics			
CEE 428	CEE 325, (CEE 345 or CEE 366)		Fall
CEE 521	CEE 325		Fall
CEE 522	CEE 325		Fall
CEE 526	CEE 325		Winter
Energy & Sustanable instrastructure			
CEE 567	CEE 230		Fall
EARTH 344/ENVIRON 344			Summer
URP 423			Fall, Winter, Summer
Environ Policy & Entrepreneurship			
CLIMATE 480	Senior Standing, MATH 116		Winter
EAS 475			Winter
ENGR 520	Senior Standing		Winter
ME 589	Senior Standing		Winter

Unless otherwise noted, a grade of C- is required for prerequisites.