

ENVIRONMENTAL ENGINEERING PROGRAM

1st Year	Session	Course	Course Name	SH	P: Prerequisite; C: Corequisite
F		ENGR:1000	Engr Success for First Year Students	1	First Semester Standing
F		ENGR:1100	Introduction to Engineering Problem Solving	3	
ALL		CHEM:1110	Principles of Chemistry I	4	
F/S		MATH:1550	Engineering Math I: Single Variable Calculus	4	P: ALEKS Scores of ≥ 75 -OR- MPT 3 Score of ≥ 9
ALL		RHET:1030	Rhetoric	4	
Total				16	
S		CEE:1010	Introduction to Careers in Env. Engineering	0	
F/S		ENGR:1300	Introduction to Engineering Computing	3	C: MATH:1550
ALL		CHEM:1120	Principles of Chemistry II	4	P: CHEM:1110 with a minimum grade of C-
ALL		MATH:1560	Engineering Math II: Multi-Variable Calculus	4	P: MATH:1550
ALL		MATH:2550	Engineering Math III: Matrix Algebra	2	P: MATH:1550
ALL		PHYS:1611	Introductory Physics I	4	C: MATH:1550
Total				17	
2nd Year				Total	17
ALL		CEE:1030	Intro to Earth Science (No Lab Required)	3	Sophomore Standing
ALL		ENGR:2110	Engineering Fundamentals I: Statics	2	P: MATH:1550; C:MATH:1560; PHYS:1611
ALL		ENGR:2120	Engineering Fundamentals II: Electrical Circuits	3	C: MATH:2560
ALL		ENGR:2130	Engineering Fundamentals III: Thermodynamics	3	P: CHEM:1110; PHYS:1611; C: MATH:1560
F/S		CHEM:2210	Organic Chemistry I (No Lab Required)	3	P: CHEM:1120 with a minimum grade of C-
ALL		MATH:2560	Engineering Math IV: Differential Equations	3	P: MATH:1560; MATH:2550
Total				17	
S		CEE:2010	CEE Professional Practice and Ethics	1	
S		CEE:3155	Principles of Environmental Engr (with Lab)	4	P: CHEM:1110
ALL		ENGR:2710	Dynamics	3	P: ENGR:2110; MATH:1550
ALL		ENGR:2720	Materials Science	3	P: CHEM:1110; C:MATH:1550
ALL		STAT:2020	Probability and Stat for Engr and Phys Sci	3	P: MATH:1560
ALL			General Education Component #1	3	
Total				17	
3rd Year				Total	17
F		CEE:3001	Leadership Skills for Engineers	1	Junior Standing
F		CEE:4158	Solid and Hazardous Wastes	3	
F/S		ENGR:2510	Fluid Mechanics	4	P: MATH:2560; ENGR:2710; C: ENGR:2130
ALL		BIOL:1411	Found. Of Biology (Elective Focus Area #1)	4	P: CHEM:1110 with a minimum grade of C-
F			Elective Focus Area #2	3	
ALL			General Education Component #2	3	
Total				18	
S		CEE:3002	Technical Communication in CEE	1	Junior Standing
S		CEE:3371	Principles of Hydraulics and Hydrology	3	P: ENGR:2510
S		CEE:3430	Water Treatment (with Lab)	4	P: ENGR:2510; CEE:3155
S			Elective Focus Area #3	3	
S			Elective Focus Area #4	3	
ALL			General Education Component #3	3	Junior Standing
Total				17	
4th Year				Total	16
F		CEE:3003	Project Management Skills	1	Senior Standing
F		CEE:4102	Groundwater (Elective Focus Area #5)	3	
F		CEE:4157	Environmental Engineering Design	3	P: CEE:3155
F		CEE:4374	Water Resources Design	3	P: CEE:3371
F		CEE:4150	Environmental Chemistry	3	P: CHEM:1120
ALL			General Education Component #4	3	
Total				16	
S		CEE:4159	Air Pollution Control Technology	3	
F/S		CEE:4850	Project Design & Management in CEE	3	P: Final Semester; C: CEE:3003
S			Elective Focus Area #6	3	
S			Elective Focus #7	3	
ALL			General Education Component #5	3	
Total				15	