

ENVIRONMENTAL ENGINEERING PROGRAM (Effective Fall 2017)

1 st Year	Session	Course	Course Name	SH	P: Prerequisite; C: Corequisite
	F/S	MATH:1550	Engineering Math I: Single Variable Calculus	4	P: ALEKS Score of 75 or higher OR MPT 3 Score of 9 or higher
	F	ENGR:1100	Engineering Problem Solving I	3	
	ALL	CHEM:1110	Principles of Chemistry I	4	
	ALL	RHET:1030	Rhetoric	4	
	F	ENGR:1000	Engr Success for First Year Students	1	First Semester Standing
Total				16	
	F/S	MATH:1560	Engineering Math II: Multi-Variable Calculus	4	P: MATH:1550
	F/S	ENGR:1300	Engineering Problem Solving II	3	C: MATH:1550
	ALL	PHYS:1611	Introductory Physics I	4	C: MATH:1550
	ALL	MATH:2550	Engineering Math III: Matrix Algebra	2	P: MATH:1550
	ALL	CHEM:1120	Principles of Chemistry II	4	P:CHEM:1100
	S	CEE:1010	Introduction to Careers in Env. Engineering	0	
Total				17	
2 nd Year					
	ALL	MATH:2560	Engineering Math IV: Differential Equations	3	P:MATH:1560; MATH 2550
	F/S	CHEM:2210	Organic Chemistry I	3	P:CHEM:1120
	ALL	ENGR:2110	Engineering Fundamentals I: Statics	2	P:MATH:1550; C:MATH:1560; C:PHYS:1611
	F/S	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
	ALL	CEE:1030	Intro to Earth Science (No Lab Required)	3	Sophomore Standing
Total				17	
	ALL	STAT:2020	Probability and Stat for Engineering & Phys Sci	3	P:MATH:1560
	ALL	ENGR:2710	Dynamics	3	P:ENGR:2110; MATH:1550
	ALL	ENGR:2720	Materials Science	3	P:CHEM:1100
	S	CEE:2010	CEE Professional Practice and Ethics	1	
	S	CEE:3155	Principles of Environmental Engr (w/ lab)	4	P:CHEM:1100
	ALL		General Education Component #1	3	
Total				17	
3 ^d Year					
	F	CEE:4158	Solid and Hazardous Waste	3	
	F	ENGR:2510	Fluid Mechanics	3	P:MATH:2560; ENGR:2710; C:ENGR:2130
	ALL		General Education Component #2	3	
	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	
	F	CEE:3001	Leadership Skills for Engineers	1	Junior Standing
Total				17	
	S	CEE:3430	Water Treatment (with lab)	4	
	S	CEE:3371	Principles of Hydraulics and Hydrology Eng.	3	P:ENGR:2510
	S		Elective Focus Area #3	3	
	S		Elective Focus Area #4	3	
	ALL		General Education Component #3	3	
	S	CEE:3002	Technical Communication in CEE	1	Junior Standing
Total				17	
4 th Year					
	F	CEE:4157	Environmental Engineering Design	3	P: CEE:3155
	F	CEE:4374	Water Resources Design	3	P:CEE:3371
	F	CEE:5150	Environmental Chemistry	3	
	F	CEE:4102	Groundwater (Elective Focus Area #5)	3	
	ALL		General Education Component #4	3	
	F	CEE:3003	Project Management Skills	1	Senior Standing
Total				16	
	S	CEE:4850	Project Design & Management in CEE	3	P: CEE:3371; CEE:3155, CEE:4157
	S	CEE:4159	Air Pollution Control Technology	3	
	S		Elective Focus Area #6	3	
	S		Elective Focus Area #7	3	
	ALL		General Education Component #5	3	
Total				15	