

Environmental Engineering, B.S.

Accredited by the Engineering Accreditation Commission of ABET, <https://www.abet.org/>.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Lab	4
Rhetoric & Composition		3
American History		3
MATH 2413	Calculus I	4
GEEN 1201	Engineering as a Career	2
Semester Credit Hours		16
Semester 2		
AEEN 1310 or MEEN 1310	Computer Graphics or Engineering Graphics I	3
Rhetoric & Composition		3
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
Lang/Phil/Culture		3
Semester Credit Hours		17
Sophomore Year		
Semester 1		
CHEM 1312 & CHEM 1112	General Chemistry II and General Chemistry II Lab	4
EVEN 2310	Intro to Environmntl Engineer	3
American History		3
MEEN 2355	Statics and Dynamics	3
Government/Political Science		3
Semester Credit Hours		16
Semester 2		
BIOL 1306	Biology for Science Majors I	3
EVEN 2304	Computer Methods for EVEN	3
EVEN 2311	Env. Engr. Ethics & Policy	3
MATH 3320	Differential Equations	3
PHYS 2326 & PHYS 2126	University Physics II and University Physics II Lab	4
Semester Credit Hours		16
Junior Year		
Semester 1		
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
EVEN 3320	Chemical Principles for EVEN	3
EVEN 3321	Environmental Engineering Lab	3
Government/Political Science		3
Communication		3
Semester Credit Hours		16
Semester 2		
CEEN 3317	Engineering Economics	3
CEEN 3390	Fluid Mechanics	3

Select 1 of the following:		3
EVEN 2372	Environmental Sustainability 3	
Social/Behavioral		
EVEN 3328	Environ Engi Process Fundamntl	3
MEEN 3347	Thermodynamics	3
or CHEN 3347	or Chem Eng Thermodynamics I	
Engineering Elective (p.)		3
Semester Credit Hours		18
Senior Year		
Semester 1		
EVEN 4102	Environ Engineering Design I	1
EVEN 4308	Wastewater Treatment	3
EVEN 4306	Solid & Hazard Waste Fundamntl	3
EVEN 4386	Air Pollution Control	3
STAT 4303	Statistical Methods	3
Creative arts		3
Semester Credit Hours		16
Semester 2		
EVEN 4105	Engineering Management	1
EVEN 4303	Environmental Engineering Design II (WI)	3
EVEN 4304	Water Res. & Adv. Comp. Meth.	3
GEOL 4425	Hydrogeology	4
or PLSS 3410	or Principles of Soil Science	
Engineering Elective (p.)		3
Semester Credit Hours		14
Total Credit Hours Required:		129

Engineering Electives

Choose 6 hours from one of the following focus areas:

Code	Title	Semester Credit Hours
AEEN 3335	Building Environmental Systems	3
AEEN 3346	Thermal Analysis	3
AEEN 3350	Facility Management	3
CEEN 3311	Strength of Materials	3
CEEN 4350	Professional Preparation	3
CEEN 4362	Hydrology	3
CEEN 4364	Dsgn Wtr and Wstwr Convey Sys	3
CEEN 4367	Geoenvironmental Engineering	3
CHEN 3321	Process Simulation	3
CHEN 4311	Biochemical Engineering	3
CHEN 4373	Chemical Reactor Engineering	3
CHEN 4389	Mass Transport Phenomena	3
EEEN 3331	Circuits and Electmag Devices	3
EEEN 4357	Wireless Sensor Networks	3
EVEN 3336	Environmental Microbiology	3
EVEN 3399	Nuclear Environment Protection	3
EVEN 4336	Selected Topics	1-3
EVEN 4399	Internship in Env. Engineering ¹	1-3
ITEN 3336	Industrial Hygiene I	3
ITEN 3338	Industrial Hygiene II	3

ITEN 4332	Hazardous Waste and Fire Safe	3
MEEN 3344	Materials Science	3
MEEN 3398	Comp App in Nuclear Engr	3
MEEN 4354	Intro to Finite Elem Method	3
MEEN 4396	Fundamentals of Nuclear Engineering	3
MEEN 4397	Intro to Nuclear Power Plants	3
NGEN 3322	Fund of Reservoir Engineering	3
NGEN 3393	Fundamentals of Drilling Engg	3
NGEN 4375	Natural Gas Transmission and Distribution	3
NGEN 4383	Natural Gas Processes	3

¹ EVEN 4399 - Internship in Environmental Engineering can be used as an Engineering Elective if approved by the department.