

ENVIRONMENTAL ENGINEERING, B.S.

Accredited by the Engineering Accreditation Commission of ABET (<http://www.abet.org>)

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
ENGL 1301	Rhetoric and Composition	3
HIST 1301	American History to 1877	3
MATH 2413	Calculus I	4
UNIV 1101	Learning in Global Context I	1
Semester Credit Hours		15
Semester 2		
AEEN 1310 or MEEN 1310	Computr Graphics and Applicatn or Engineering Graphics I	3
ENGL 1302	Rhetoric and Composition	3
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
UNIV 1102	Learning in Global Context II	1
Lang/Phil/Culture (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #language)		3
Semester Credit Hours		18
Sophomore Year		
Semester 1		
CHEM 1312 & CHEM 1112	Gen Inorganic Chemistry II and Gen Inorganic Chem Lab II	4
EVEN 2310	Intro to Environmntl Engineer	3
HIST 1302	American History since 1877	3
MEEN 2355	Statics and Dynamics	3
POLS 2301	Government and Politics of US	3
Semester Credit Hours		16
Semester 2		
BIOL 1306	General Biology 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

POLS 2302	Government and Politics of TX	3
Communications (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #communication)		3

Semester Credit Hours 16

Semester 2

CEEN 3317	Engineering Economy	3
CEEN 3392	Hydraulic and Fluid Mechanics	3
Select 1 of the following:		3
EVEN 2372	Envir Eng in a Global Society ¹	
Social/Behavioral (https://catalog.tamuk.edu/ undergraduate/general-requirements-graduation- baccalaureate-degree/#social)		
EVEN 3328	Environ Engr Process Fundamntl	3
MEEN 3347 or CHEN 3347	Thermodynamics or Chem Eng Thermodynamics I	3
Engineering Elective (p. 1)		3

Semester Credit Hours 18

Senior Year

Semester 1

EVEN 4102	Environ Engineering Design I	1
EVEN 4105	Engineering Management	1
EVEN 4306	Solid & Hazard Waste Fundamntl	3
EVEN 4386	Air Pollution Control	3
STAT 4303	Statistical Methods	3
Creative arts (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #creative)		3

Semester Credit Hours 14

Semester 2

EVEN 4301	Water and Wastewater Treatment	3
EVEN 4303	Environ Engr Design II (WI)	3
EVEN 4304	Water Res. & Adv. Comp. Meth.	3
GEOL 4425 or PLSS 3410	Hydrogeology or Principles of Soil Science	4
Engineering Elective (p. 1)		3

Semester Credit Hours 16

Total Credit Hours Required: 129

Engineering Electives

Choose 6 hours from one of the following focus areas:

Code	Title	Semester Credit Hours
Focus Area of Water Resources		
EVEN 3336	Environmental Microbiology	3
EVEN 3399	Nuclear Environment Protection	3
EVEN 4399	Internship in Env. Engineering ¹	1-3
EVEN 4336	Selected Topics	1-3
CEEN 4362	Hydrology	3
CHEN 3321	Process Simulation	3
EEEN 3331	Circuits and Electrmag Devices	3
MEEN 3344	Materials Science	3

Focus Area of Air Pollution		
EVEN 3399	Nuclear Environment Protection	3
EVEN 4399	Internship in Env. Engineering ¹	1-3
EVEN 4336	Selected Topics	1-3
EEEN 3331	Circuits and Electrmag Devices	3
MEEN 3344	Materials Science	3
Focus Area of Geo-environmental		
EVEN 3336	Environmental Microbiology	3
EVEN 3399	Nuclear Environment Protection	3
EVEN 4399	Internship in Env. Engineering ¹	1-3
EVEN 4336	Selected Topics	1-3
CEEN 4362	Hydrology	3
ITEN 4332	Hazardous Waste and Fire Safe	3
EEEN 3331	Circuits and Electrmag Devices	3
MEEN 3344	Materials Science	3
Focus Area of Sustainability and Green Engineering		
EVEN 3336	Environmental Microbiology	3
EVEN 3399	Nuclear Environment Protection	3
EVEN 4399	Internship in Env. Engineering ¹	1-3
EVEN 4336	Selected Topics	1-3
CHEN 3321	Process Simulation	3
EEEN 3331	Circuits and Electrmag Devices	3
MEEN 3344	Materials Science	3

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