

# RECOMMENDED ACADEMIC PLAN – ENVIRONMENTAL ENGINEERING

Semester I		Semester II	
ENGL 015 or 030 - English Composition (GWS)	3	ECON 002, 004, or 014 - Economics (GS)	3
EDSGN 100 Engineering Design and Graphics	3	<b>•CHEM 112 Chemical Principles II (GN)</b>	3
<b>•CHEM 110 Chemical Principles (GN)</b>	3	CHEM 113 Experimental Chemistry II (GN)	1
CHEM 111 Experimental Principles (GN)	1	MATH 141 Calculus II (GQ)	4
<b>•MATH 140 Calculus I (GQ)</b>	4	PHYS 211 Physics I (GN)	4
CAP 160S First Year Seminar	1	Health and Physical Activity (GHA)	1.5
Humanities (GH)	3		16.5
	18		
Semester III		Semester IV	
CAS 100 Effective Speech (GWS)	3	MATH 250 Ordinary Differential Equations	3
CMPS 121 Introduction to Programming Techniques (GQ)	3	<b>CE 370 Introduction to Environmental Engineering</b>	3
<b>•E MCH 211 Statics</b>	3	ENGL 202C Technical Writing (GWS)	3
PHYS 212 Physics II (GN)	4	E MCH 212 Dynamics	3
CHEM 202 Fundamentals or Organic Chemistry or	3	Humanities (GH)	3
CHEM 210 Organic Chemistry I		Health and Physical Activity (GHA)	1.5
	16	SSET 295 Internship	1
			17.5
Semester V		Semester VI	
MATH 444 Mathematical Statistics and Applications I or	3-4	C E 335 Engineering Mechanics of Soils	3
STAT 200 Elementary Statistics (GQ)		<b>CE 360 Fluid Mechanics</b>	3
<b>CHEM 301 Environmental Chemistry</b>	3	E MCH 213 Strength of Materials	3
<b>ENVE 301 Environmental Microbiology</b>	3	I E 303 Engineering Economy	2
M E 302 Engineering Thermodynamics for Non-Mechanical Students	3	E E 211 Electrical Circuits and Power Distribution or 212 Electronic Measuring Systems	3
Social and Behavioral Science (GS)	3	<b>ENVE 470 Air Quality</b>	3
	15-16		17
Semester VII		Semester VIII	
<b>ENVE 411 Water Supply and Pollution Control</b>	3	ENVE 401 Occupational Safety and Environmental Health	1
<b>ENVE 413W Operation and Control of Treatment Systems</b>	3	ENVE 415 Engineering Hydrology	3
<b>ENVE 417 Hydraulic Design</b>	3	<b>ENVE 416 Treatment Plant Design</b>	3
<b>ENVE 424 Solid Waste Management</b>	3	ENVE 425 Hazardous Waste Management	3
Arts (GA)*	3	Engineering Elective: Select from the following areas: C E, E E, EET, ENVE, M E, I E, MATH, CMPS, STAT	3
	15	Arts (GA)	3
			16

## Advising Notes

- **Bold type** require a grade of C or better.
- *Italics* indicates courses that satisfy both major and General Education requirements.
- **Bold Italics** indicates courses requiring a quality grade of C or better and that satisfy both major and General Education requirements.
- GWS, GHA, GQ, GN, GA, GH, and GS are codes used to identify General Education requirements.
- US, IL, and US:IL are codes used to designate courses that satisfy University United States/International Cultures requirements.
- W is the code used to designate courses that satisfy University Writing Across the Curriculum requirements.

\*Take either E MCH 013 or C ENG 322

•Students seeking entrance to the ENVE major must also have completed minimum 27.1 credits and have a minimum GPA of 2.00

**Students must complete a 3-credit course in "United States Cultures (US)" and a 3-credit course in "International Cultures (IL)." BUS 364W (US/IL) may be used to meet either the IL or US requirement, but may be used to fulfill only 3 of the 6 credit requirement for students admitted in or after summer 2005.**

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