

DEPARTMENT OF GEOGRAPHY & ENVIRONMENTAL ENGINEERING

**ENVIRONMENTAL ENGINEERING MAJOR (EVEØ)
CLASS OF 2015**

NAME:

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6	TERM 7	TERM 8
MA103	MA104	MA205	MA206	EN302	SS307	HI301	HI302
CH101	CH102	PH201	PH202	PL300	EV396	EV394	LW403
EN101	EN102	SS201	SS202	EV301	EV397	EV402	EV400
HI10X	HI10X	EV203	PY201	EV388A	EV401	EV481	EV488
PL100	IT105	LX203	LX204	XS391	EV ENG ELECTIVE	EV ENG ELECTIVE	EV490
			EE301	MC311	MA366		EV ENG ELECTIVE

EVEØ

Frequently Asked Questions

- **What is the job outlook for environmental engineers?** In 2011, CNN Money ranked environmental engineering in the top 10 for jobs with the fastest growth potential. They listed a median pay of \$81,000 for a graduate with two years experience.
- **What do environmental engineers do?** Environmental engineers design processes and conduct analyses to protect public health and the environment. According to the American Academy of Environmental Engineers, the major areas include air pollution control, industrial hygiene, radiation protection, hazardous waste management, toxic materials control, water supply, wastewater management, storm water management, solid waste disposal, public health and land management.
- **Is this program focused on wastewater?** No! One of the 17 courses in the major covers wastewater. The curriculum is designed to give graduates sufficient breath to practice environmental engineering at the entry level and attend virtually any environmental engineering graduate program.
- **My roommate's major has 40 courses, why does this one have 43?** The environmental engineering major is ABET accredited. Forty three courses are needed to provide sufficient depth in engineering to maintain accreditation.
- **Why should I join a major that is ABET accredited?** ABET accreditation puts our graduates on the easiest path to become licensed engineers. Because practicing environmental engineers are professionals who protect public health, similar to physicians, we must be licensed.
- **Is a 43 course major too intense for a corps squad athlete?** No. We've had corps squad athletes, senior leaders in the Corps and the occasional double major.

ENVIRONMENTAL ENGINEERING

FOUNDATION COURSES

- Complete the following fifteen courses:

Course #	Course Title
EE301	Fundamentals of Electrical Engineering
EV301	Environmental Science for Engineers and Scientists
EV388A	Physical Geology
EV394	Hydrogeology
EV396	Environmental Biological Systems
EV397	Air Pollution Engineering
EV400	Environmental Engineering Seminar
EV401	Physical and Chemical Treatment
EV402	Biochemical Treatment
EV481	Water Resources Planning and Design
EV488	Solid and Hazardous Waste Treatment and Remediation
EV490	Advanced Environmental Engineering Design
MA366	Applied Engineering Math
MC311	Thermal Fluid Systems I
XS391	Principles and Applications of Environmental Chemistry

FIELD ELECTIVES

- Choose three electives from the **ENVIRONMENTAL ENGINEERING FIELD ELECTIVES list**. The sum of the Engineering Topics credits for the three chosen field electives must total **8** or greater.

Course #	Course Title
EV377	Remote Sensing
EV380	Surveying
EV398	Geographic Information Systems
EV485	Special Topics in Geography and the Environment
EV489A	Advanced Individual Study I
EV489B	Advanced Individual Study II
CE380	Hydrology/ Hydraulic Design
CH362	Mass and Energy Balances
EM381	Engineering Economy
EM411	Project Management
MC300	Fundamentals of Engineering Mechanics and Design
MC312	Thermal-Fluid Systems II
SE375	Statistics for Engineers
SE385	Decision Analysis
CE 350	Infrastructure Engineering
MC364	Mechanics of Materials
CE371	Soil Mechanics/Foundation Engineering
CE450	Construction Management
MC380	Engineering Materials
ME350	Mechanical Engineering/How Army Systems Work
ME472	Energy Conversion Systems
ME370	Computer Aided Design
EE377	Electrical Power Engineering

HONORS: EV489a must be taken as one of the three Environmental Engineering field electives. In addition, upon graduation you must have APSC of at least 3.0 in the core curriculum and 3.5 in the major.