



DEPARTMENT OF GEOGRAPHY & ENVIRONMENTAL ENGINEERING
ENVIRONMENTAL SCIENCE MAJOR (ESCØ)
CLASS OF 2018



ESCØ

NAME:

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6	TERM 7	TERM 8
MA103	MA104	MA205	MA206	EN302	PL300	HI301	LW403
CH101	CH102	PH201	PH202	IT305/355	CH375	Atmosphere Elective	HI302
EN101	EN102	SS201	SS202	SS307	EV388a	EV471	EV487
HI10X	HI10X	EV203	PY201	EV365	Tools Elective	Depth Elective	Depth Elective
PL100	IT105	LX203	LX204	CES EV301	CES EV350	CES EV450	EV Sci Elective
						← Honors: EV Sci Elective	→ Honors: EV489a

Frequently Asked Questions

- **Can I choose any engineering sequence?** No, all EV scientists take the EV Engineering sequence.
- **Do you have any AIADs?** Yes. In recent years we've travelled OCONUS to Uganda, Panama, Honduras, Guatemala and Israel. In addition, we sponsor internships with U.S. agencies such as the US Army Corps of Engineers, US Army Public Health Command, the US Army Environmental Command, the Federal Emergency Management Agency and many others.
- **Can I apply to do a semester abroad?** Yes. One 2015 EV Science cadet spent a semester in Brazil and a second one spent a semester in China. One 2016 EV Science cadet also spent a semester in China, and one 2017 EV Science cadet is in Germany this fall.
- **Can I double major or take a minor?** Possibly especially if you have validated courses. Please ask if you are interested as sequencing your coursework becomes the key to solving this puzzle.
- **Can I go to medical school if I major in Environmental Science?** Yes, four courses are required for medical school admission (CH375, CH383, CH384 and CH387) and they can all be taken as part of the Environmental Science major. Medical schools value diversity and applying as an EV Science major makes you a little bit different from others.
- **What do environmental scientists do?** Environmental scientists can work as scientists for any agency or company dedicated to environmental research, management or restoration, as medical doctors, as lawyers protecting the environment through legal means, as business men or women dedicated to green company principles and at all levels of government from local to national to include agencies such as the EPA, US Geologic Survey, Bureau of Land Management, Fish and Wildlife Service and National Park Service.
- **Are there any Army branches that especially require my skills?** Yes, the Medical Service Corps has a concentration in Preventive Medicine that has slots specifically for environmental scientists. These Army officers are known as 72Ds.

ENVIRONMENTAL SCIENCE

FOUNDATION COURSES

- Complete the **five** courses listed below:

Course #	Course Title
CH375	Introduction to Biology
EV365	Geography of Global Cultures
EV388A	Physical Geology
EV471	Ecology
EV487	Environmental Security

ATMOSPHERE COURSE

- Complete **one** of the following courses:

Course #	Course Title
EV387	Meteorology
EV389B	Climatology

TOOLS ELECTIVE

- Complete **one** of the three courses listed below:

Course #	Course Title
CH387	Human Physiology
EV377	Remote Sensing
EV398	Geographic Information Systems

DEPTH ELECTIVES

- Complete **two** of the seven courses listed below:

Course #	Course Title
CH383	Organic Chemistry I
CH384	Organic Chemistry II
EV391A	Land Use Planning and Management
EV391B	Environmental Geology
EV396	Environmental Biological Systems
EV398	Geographic Information Systems
XS391	Principles and Applications of EV Chemistry

ENVIRONMENTAL SCIENCE FIELD ELECTIVES

- Complete **one** of the thirty-nine courses listed below:

Course #	Course Title
EV377	Remote Sensing
EV378	Cartography
EV380	Principles of Surveying
EV384	Geography of North America
EV386	Geography of Europe
EV387	Meteorology
EV388B	Geomorphology
EV390B	Urban Geography
EV391A	Principles of Land Use Planning and Management
EV391B	Environmental Geology
EV394	Hydrogeology/Hydraulic Systems
EV396	Environmental Biological Systems
EV397	Air Pollution Engineering
EV398	Geographic Information Systems
EV401	Physical and Chemical Treatment
EV482	Military Geography
EV488	Solid and Hazardous Waste Treatment and Remediation
EV489A	Advanced Individual Study I
XS391	Principles and Applications of Environmental Chemistry
MC300	Fundamentals of Engineering Mechanics and Design
CE380	Hydrology/Hydraulic Design
CH357	Microbiology
CH383	Organic Chemistry I
CH384	Organic Chemistry II
CH385	Introduction to Cell Biology
CH387	Human Physiology
CH460	Human Anatomy
CH481	Physical Chemistry I
DS350	Military Communications
EP386	Philosophy of Science
LW481	International Law
MA363	Vector Calculus and ODE
MA366	Applied Engineering Math
MA391	Mathematical Modeling
MA396	Numerical Methods for the Solution of DE
MA476	Mathematical Statistics
EM381	Engineering Economy
SS479	Environmental Economics
SS480	Advanced American Politics, Policy, and Strategy

***Honors sequence:** EV489a and **one** additional ev sci field elective. In addition, upon graduation you must have APSC of at least 3.0 in the core curriculum and 3.5 in the major.