

Environmental Engineering Program

Environmental EFA

Civil and Environmental Engineering

Updated October 2018

Description

The *Environmental EFA* is designed for students who wish to gain more depth in environmental engineering topics. BS graduates with this EFA can find work in civil and environmental engineering positions involving more environmental engineering tasks. The EFA is also good preparation for students who wish to pursue graduate study (MS or PhD) in environmental engineering.

CEE Design Electives (6 sh)

The Environmental Program requires two CEE Design Electives. For the *EE Environmental EFA*, the following CEE Design Electives are required:

- ✓ CEE:4157 Environmental Engineering Design :
- ✓ CEE:4374 Water Resources Design

EFA Electives (21 sh)

For the *EE Environmental EFA*, the following EFA Electives are required:

- ✓ BIOL:1411 Foundations of Biology
- ✓ CEE:4102 Groundwater

You must choose at least 2 of the following courses:

- CEE:4107 Sustainable Systems
- CEE:4119 Hydrology
- CEE:4371 Water Resources Engineering

Any remaining EFA Electives (a maximum of 3) may be chosen from the following:

- Any 3000 level or above course(s) in CEE
- GEOG:1050 Foundations of GIS
- GEOG:3210 Health Work and Environment
- OEH:4240 Global Environmental Health
- LAW:8992 Water Law
- ECON:3625 Environmental and Natural Resources Economics
- Any other course(s) approved for EFA Elective credit. Other courses require written justification for relevance to the EFA. (Note that many 2000 level or below courses will not be approved for EFA Elective Credit).

EFA Submission

Fill out the attached PDF form electronically, and submit for approval by the CEE Curriculum Committee to:

<https://workflow.uiowa.edu/form/cee-and-environmental-efa-submission>

Keep a copy to bring to Academic Advising with your CEE Advisor.

Environmental Engineering Program EFA Form

Updated April 2017

Student Name/Date: _____

Student ID #: _____

Expected Graduation Date: _____

Do you plan to take FE exam? _____

Indicate your chosen Elective Focus Area:

Environmental Engineering

Student Tailored

Session	Years	Course #	CEE Design Electives	S.H.	Pre-Requisites
The following two CEE Design Electives are required					
Fall		CEE:4157	Environmental Engineering Design	3	CEE:3155
Fall		CEE:4374	Water Resources Design	3	CEE:3371

Session	Years	Course #	EFA Electives	S.H.	Pre-Requisites
Two EFA Electives are required. Enter your Choice of Courses for the remaining Five EFA Electives					
F/S		BIOL:1411	Foundations of Biology	3	CHEM:1110 (min C- grade)
Fall		CEE:4102	Groundwater	3	None

For the **Student Tailored EFA**, list courses that are required but do not count as EFA Electives. These courses may be used to satisfy the General Education Component (GEC) requirements.

Session	Years	Course #	Additional Required Courses	S.H.	Pre-Requisites
Enter any additional required courses for this EFA					

For the **Student Tailored EFA**, include a career statement to justify the elective focus area. Provide information on the requirements of the minor field or certificate program when the EFA form is submitted.

Career Objective(s) Statement: