

# Environmental Engineering Program

## Student Tailored EFA

### Civil and Environmental Engineering

*Updated October 2017*

#### Description

The *Student Tailored EFA* allows students to customize an Elective Focus Area to meet their individual career objectives.

#### CEE Design Electives (6 sh)

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

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

#### EFA Electives (21 sh)

For the *Student Tailored EFA*, the following EFA Electives are required:

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

*Guidelines for Student Tailored EFAs:* Any area of focus is available as an EFA. However, the following guidelines must be met:

1. The set of courses chosen must support the student's career or life plan (which the student must explain on the EFA form). The explanation must be acceptable to the advisor and the CEE Curriculum Committee.
2. A non-technical EFA must be completed as part of a minor in that field or as part of a certificate program, and therefore each course must be part of a sequence of an increasingly challenging curriculum.
3. The set of courses chosen must demonstrate depth of learning in a particular area. An assortment of introductory courses is unacceptable.

Note that a non-technical EFA may require that a student take additional courses (beyond the 131 required for graduation) to meet the requirements of a minor, or to show exposure and depth in a particular area.

For the EFA submission, you will need to provide:

- A list of 5 courses (15 sh) that will count as EFA Elective courses.
- A list of any additional courses that must be completed (e.g., to satisfy the requirements of a minor or certificate program). These courses will not count as EFA Elective courses, but may be used to satisfy General Education Component (GEC) requirements.
- A career objective statement to justify the elective focus area.
- Information on the requirements of the minor field or the certificate program (e.g., a web link to current requirements).

#### 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 |
|---|-------|----------|----------------------------------|------|----------------|
| <b><i>The following two CEE Design Electives are required</i></b> |       |          |                                  |      |                |
| 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           |
|---|-------|-----------|------------------------|------|--------------------------|
| <b><i>Two EFA Electives are required. Enter your Choice of Courses for the remaining Five EFA Electives</i></b> |       |           |                        |      |                          |
| 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 |
|--|-------|----------|-----------------------------|------|----------------|
| <b><i>Enter any additional required courses for this EFA</i></b> |       |          |                             |      |                |
|  |       |          |                             |      |                |
|  |       |          |                             |      |                |
|  |       |          |                             |      |                |

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: