

Civil Engineering Program Urban and Regional Planning EFA

Civil and Environmental Engineering Updated April 2020

Description

The *Urban and Regional Planning EFA* is designed for students who wish to acquire depth in urban and regional planning topics. BS graduates with this EFA can find work as a consulting engineer or city/county engineer in positions involving more engineering planning tasks. The EFA is also good preparation for students who wish to pursue graduate study (MS or PhD) in Urban and Regional Planning.

CEE Design Electives (6 sh)

The Civil Program requires two CEE Design Electives. For the *Urban and Regional Planning EFA*, you must choose two CEE Design Electives from the following list:

- CEE:4157 Environmental Engineering Design
- CEE:4374 Water Resources Design
- CEE:4506 Design of Concrete Structures –or– CEE:4535 Design of Steel Structure
- CEE:4762 Design of Transportation Systems

Any course not chosen as a CEE Design Elective may be taken as an EFA Elective.

EFA Electives (21 sh)

The following courses are required for this EFA. They do not count as EFA Electives, but may be used to satisfy the General Education Component (GEC) requirements:

- ✓ URP:6202 Land Use Planning: Law and Practice
- ✓ URP:6203 History and Theories of Planning

The following two EFA Electives are required for this EFA:

- ✓ URP:6201 Analytical Methods in Planning II
- ✓ URP:6205 Economics for Urban Planners

For the *Urban and Regional Planning EFA*, you must choose three of the following courses at EFA Electives:

- URP:4195 Public Transit Operations and Planning
- URP:4262 Transportation Demand Analysis
- URP:6233 Financing Local Government
- URP:6256 Environmental Policy
- URP:6266 Transportation and Land Use Planning
- URP:6271 Housing Policy

For the *Urban and Regional Planning EFA*, you must choose two 3000 level or above CEE courses as EFA Electives. A complete list is available on the CEE website. Recommended courses for this EFA (because of their relevance and regular course offerings) are:

- Any of the five design courses not taken as a CEE Design Elective
- CEE:3783 Surveying & Remote Sensing
- CEE:4102 Groundwater
- CEE:4158 Solid and Hazardous Wastes
- CEE:4159 Air Pollution Control Technology
- CEE:4119 Hydrology
- CEE:4371 Water Resources Engineering
- CEE:3790 Resilient Infrastructure and Emergency Response
- CEE:4160 Introduction to Bridge Engineering [Spring/Even Years]
- CEE:4763 Traffic Engineering

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.

Civil Engineering Program EFA Form

Updated May 2018

Student Name/Date: _____

Student ID #: _____

Expected Graduation Date: _____

Do you plan to take FE exam? _____

Indicate your chosen Elective Focus Area:

- | | |
|-------------------------------------|-----------------------------|
| Civil and Environmental Practice | Pre-Architecture |
| Environmental | Urban and Regional Planning |
| Hydraulics & Water Resources | Management |
| Structures, Mechanics and Materials | Student Tailored |
| Transportation | |

Session	Year	Course #	CEE Design Electives	S.H.	Pre-Requisites
Enter your Choice of Two Required CEE Design Electives					

Session	Year	Course #	EFA Electives	S.H.	Pre-Requisites
Enter your Choice of Courses for the Seven Required EFA Electives					

For the **Pre-Architecture, Urban and Regional Planning, Management, and Student Tailored EFAs**, 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	Year	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: