

**Certificate in International Sustainable  
Development Engineering**

The goal of sustainable engineering is to create ecologically and socially appropriate solutions within the capacity of nature without compromising future generations. The Certificate in International Sustainable Development Engineering provides students breadth in the areas of ethics, resource equity, interactions between technology and society, engineering connections with the environment, engineering materials, and water and sanitation, all at a global perspective. An international senior design experience that requires students to work on an engineering problem set in the developing world is required to complete the certificate. **Students must earn a grade of C or better in each course used to meet certificate requirements.** Total credits required – 22

Name: \_\_\_\_\_

ID Number: \_\_\_\_\_

Certificate Completion Date: \_\_\_\_\_

Degree Sought: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

**Required Courses – 16 credits**

- \_\_\_\_\_ ENG 3530 Colloquium in Sustainability (1)
- \_\_\_\_\_ CE4915 International Senior Design Field Experience (3)
- \_\_\_\_\_ CE4916 Int'l Senior Design Project (3)

*Choose 1 of the following:*

- \_\_\_\_\_ MGT 4000 Strategic Management (3)
- \_\_\_\_\_ MGT 4100 International Management (3)
- \_\_\_\_\_ EC 3100 International Economics (3)
- \_\_\_\_\_ EC 4620 Energy Economics (3)

*Choose 1 of the following:*

- \_\_\_\_\_ ENVE 3503 Environmental Engineering (3)\*
- \_\_\_\_\_ ENVE 3501 Environmental Eng. Fund. (3)

*Choose 1 of the following:*

- \_\_\_\_\_ HU 2702 Ethical Theory & Moral Prob. (3)
- \_\_\_\_\_ HU 4625 Risk Communication (3)

*\*This is the preferred course among those to choose from; however any of the courses listed will apply.*

**Language or Culture Elective – 3 credits**

*Choose 1 of the following:*

- \_\_\_\_\_ HU 2271 Level I-A French Lang. & Culture (3)
- \_\_\_\_\_ HU 2272 Level I-B French Lang. & Culture (3)
- \_\_\_\_\_ HU 2273 Trans. Level I Fr. Lang. & Culture (3)
- \_\_\_\_\_ HU 3262 Topics in Francophone Cultures (3)
- \_\_\_\_\_ HU 3271 Level II-A French Lang/Culture (3)
- \_\_\_\_\_ HU 3272 Level II-B French Lang/Culture (3)
- \_\_\_\_\_ HU 3273 Level II French Comp. & Conv. (3)
- \_\_\_\_\_ HU 2291 Level I-A Spanish Lang. & Cult. (3)
- \_\_\_\_\_ HU 2292 Level I-B Spanish Lang. & Cult. (3)
- \_\_\_\_\_ HU 2293 Trans. Level I Sp. Lang. & Culture (3)
- \_\_\_\_\_ HU 3264 Topics in Spanish-Speaking Cult. (3)
- \_\_\_\_\_ HU 3291 Level II-A Spanish Lang/Culture (3)
- \_\_\_\_\_ HU 3292 Level II-B Spanish Lang/Culture (3)
- \_\_\_\_\_ HU 3293 Level II Span. for Spec. Purposes (3)

**Technology and Society Elective – 3 credits**

*Choose 1 of the following:*

- \_\_\_\_\_ SS 3580 Technology & Western Civilization (3)
- \_\_\_\_\_ SS 3800 Energy Technology & Policy (3)
- \_\_\_\_\_ SS 3801 Science, Technology & Society (3)

\_\_\_\_\_  
Student Date

\_\_\_\_\_  
Department Advisor Date