

**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