

# International Sustainable Development (ISD) Career Pathway

The career pathway in international sustainable development is designed for undergraduates interested in understanding and developing sustainable approaches to development in both the developed and developing countries. Students participating in this concentration will be prepared for entry-level opportunities in the peace corps and international consulting firms as well as graduate level studies in international development and earth systems engineering.

Students should enroll in a design project with an ISD focus. In this way, students will be able to gain specialized theoretical and practical knowledge through a balanced blend of elective coursework and project-based work. Electives should be chosen in consideration of the student's particular interests within the general field of International Sustainable Development. At least one elective course must be outside of engineering. Students are advised to check prerequisites of listed courses. Students may also, with additional coursework, earn a minor in Humanitarian Affairs.

PATH-SPECIFIC PRE-APPROVED ELECTIVE COURSES (Choose 9 or more credits)	CREDIT HOURS
ANTH 355. Anthropological perspectives on the environment and development	3
ENGR 360. WATER (Short term study abroad)	4
ENGR 472. Biological Treatment Processes and Reactor Design	3
ENGR 474. Physical and Chemical Treatment Processes	3
GEOL 327. Climatology	3
GEOL 340. Soils and Land Use	3
GEOL 355. Geochemistry of Natural Waters	3
GEOL 399. Field Studies (Short term study abroad)	6
GEOL 410. Engineering Geology	3
GEOL 460. or ISAT 425. Hydrology	3
ISAT 410. Sustainable Energy Development	3
ISAT 416. International Energy Studies (Short term study abroad)	3
ISAT 480. Sustainable Societies (Short term study abroad)	3
MATH 318. Introduction to Probability and Statistics	3

NOTE: Some courses may have pre- or co- requisites that are not included in the credit total. It is the student's responsibility to fulfill any pre- or co- requisites required.

For more information, please contact:

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