



University of Colorado at Boulder

Mortenson Center in Engineering for Developing Communities

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Potential Electives for EDC Students (this list is not to be considered exhaustive - it's a starting point)

Up to 6 credit hours of 4000-level coursework taken outside the department can be applied to the MS degree. Note that some of these courses may have prerequisites (as indicated with an *) and in those cases, enrollment will require completion of prerequisite or instructor permission. All courses are not taught every semester, so students are encouraged to plan ahead. Students should verify selection of electives with their academic advisor prior to enrolling.

ANTH 5780:	Core Course in Cultural Anthropology
ANTH 5020:	Explorations in Anthropology (topics differ by section & semester)
ANTH 4/5500:	Cross-Cultural Aspects of Socioeconomic Development
ATLS 4/5519:	Adv. Special Topics in Technology, Arts, and Media (topics differ by section & semester)
CVEN 5276	Engineering Risk & Decision Analysis
CVEN 5323:	Applied Stream Ecology
CVEN 5393	Water Resources System and Management
CVEN 5474:	Hazardous & Industrial Waste Management
CVEN 5484:	Introduction to Environmental Microbiology
CVEN 5514	Bioremediation
CVEN 5524:	Drinking Water Treatment
CVEN 5534:	Wastewater Treatment – fall only
CVEN 5594	Water Reuse and Reclamation
CVEN 5822	Geographical Information Systems for Civil and Environmental Systems
CVEN 5836	Construction Engineering and Management Fundamentals
ECON 4535:	Natural Resource Economics
ECON 4545:	Environmental Economics
ECON 4774	Topics in Economic Development, History, and Political Economy
ECON 4774	Economic Reform in Developing Countries
ECON 8774:	Economic Development: Seminar in Transition Economies*
ECON 8784:	Economic Development*
EBIO 4030/5030:	Limnology
EBIO/GEOL/ENVS 4160:	Introduction to Biogeochemistry
EMEN 5051:	Tech Ventures and Leadership
ENVS 5100:	seek approval of topic from EDC/faculty advisor prior to enrollment
ENVS 5810:	Water Resources and Environmental Sustainability
ENVS 5820:	Renewable Energy Policy
GEOG 4/5292:	Migration, Immigrant Adaptation, and Development
GEOG 4/5682:	Development Geography
GEOG 4/5732:	Population Geography
GEOG 4/5852:	Health and Medical Geography
GEOG 5100:	seek approval of topic from EDC/faculty advisor prior to enrollment
GEOG 5782:	Sustainable Development: Critique
GEOG 6402:	Seminar: Political Ecology
GEOL 4716:	Environmental Field Geochemistry (2 credits)
JOUR 6211:	Communication and International Development
MBAX 6140:	Social Entrepreneurship in Emerging Markets (formerly MBAX 6845)
MGMT/CESR 4130:	Sustainable Operations (was MGMT 4080)

Updated August 1, 2015

For those students who are interested in studying the concept of development in more depth than what can be integrated into the graduate programs in Civil Engineering, the Geography Department offers a 12-credit hour Certificate in Development Studies. That certificate provides interdisciplinary training in development studies to graduate students with coursework on issues such as agrarian change, labor migration, new social movements, industrial growth, urban planning, and natural resource use. Students For details, see the Graduate Certificate in Development Studies website at http://geography.colorado.edu/grad_program/certificates.