

Environmental Engineering Minor

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Minor Requirements:

Before beginning the environmental engineering courses, the student must meet the required mathematics, physics, and other prerequisites for each course. A grade of C- or better is required in all of the courses completed for the minor.

Chemistry:

- [CHEM 104 - General Chemistry](#) **Credit(s): 3** *
- and
- [CHEM 134 - General Chemistry Laboratory](#) **Credit(s): 1**

Note:

*Can be replaced with [CHEM 112](#) (3 credits) Taken in 2nd semester

Environmental Engineering:

- [CIEG 233 - Environmental Engineering Processes I](#) **Credit(s): 3** * They accept our Mat Bal CHEG112
- [CIEG 305 - Fluid Mechanics](#) **Credit(s): 3** ** (Lab optional) They accept our Fluids CHEG341

Notes:

*Can be replaced with [CIEG 331](#) or [CHEG 112](#)

**Can be replaced with [MEEG 331](#) or [CHEG 341](#)

Electives:

Three of the following:

- [CIEG 430 - Water Quality Modeling](#) **Credit(s): 3** Tech Elective (Fall)
- [CIEG 433 - Hazardous Waste Management](#) **Credit(s): 3** Tech Elective
- [CIEG 434 - Air Pollution Control](#) **Credit(s): 3** Tech Elective (Fall)
- [CIEG 436 - Processing, Recycling, Management of Solid Wastes](#) **Credit(s): 3** Tech Elective
- [CIEG 438 - Water and Wastewater Engineering](#) **Credit(s): 3** * Tech Elective

- [CIEG 440 - Water Resources Engineering](#). **Credit(s): 3** Tech Elective (Fall)
- [CIEG 498 - Groundwater Flow and Contaminant Transport](#) **Credit(s): 3** Can ask that GEOL428 be used to satisfy CIEG498

Note:

*Will not count if [CIEG 331](#) is taken in place of [CIEG 233](#).

Note:

Courses shall be selected from the above list with the specific advice of an advisor in the Civil and Environmental Engineering Department to meet each student's objectives. Other courses in civil and environmental engineering may be included in the above list with *prior* approval of the minor advisor.

Civil and Chemical Engineering majors would be able to pursue the minor by selecting their required technical and science electives appropriately. No additional credits beyond what is required by their major would be necessary to obtain an Environmental Engineering minor for these students. Mechanical Engineering students would need to select their required technical electives appropriately and take one additional course - [CHEM 104](#).

Credits to Total a Minimum of 18
