

Requirements for the Minor in Environmental Engineering Science

Administered by the Department of Energy, Environmental and Chemical Engineering

The Minor in Environmental Engineering Science requires the completion of 21 units of environmental engineering and allied courses selected from the following menus.

Introduction¹ (3 units)

- EECE 101 – Introduction to Energy, Environmental & Chemical Engineering (3 units - Fall)
- EECE 210 – Introduction to Environmental Engineering (3 units - Spring)

Environmental Chemistry² (3 units)

- EECE 505 – Aquatic Chemistry (3 units – Fall)
- EECE 531 – Environmental Organic Chemistry (3 units – Fall)

Environmental Engineering Electives² (9 units)

- EECE 311 – Green Engineering (3 units - Fall)
- EECE 425 – Environmental Engineering Laboratory (3 units - Fall)
- EECE 504 – Aerosol Science and Technology (3 units - Fall)
- EECE 512 – Combustion (3 units - Fall)
- EECE 514 – Atmospheric Science and Climate (3 units – Spring)
- EECE 533 – Physical and Chemical Processes for Water Treatment (3 units – Spring)
- EECE 534 – Environmental Nanochemistry (3 units - Spring)
- *additional eligible courses (new courses, special offerings) will be posted on the EECE web site as they become available*

Natural Science (3 units)

- Bio 381 – Introduction to Ecology (3 units - Spring)
- EPSc 323 – Biogeochemistry (3 units - Spring)
- EPSc 413 – Introduction to Soil Science (3 units - Spring)
- EPSc 428 – Hydrology (3 units – Fall most years)
- EPSc 444 – Environmental Geochemistry (3 units – Fall even years)

Environmental Policy and Social Science (3 units)

- EnSt 310 – Ecological Economics (3 units – Spring)
- EnSt 357 – Environmental Problem Solving (3 units – Spring)
- Econ 451 – Environmental Policy (3 units - Fall)
- EnSt 539 – Interdisciplinary Environmental Clinic (3 units maximum – Fall/Spring)
- Pol Sci 340 – Topics in Politics: Environmental Justice (3 units – Spring)
- Pol Sci 3752 – Topics in American Politics: Globalization, Urbanization & the Environment (3 units – Fall)

¹ Freshmen potentially interested in majoring in Chemical Engineering should take EECE 101; all other students working towards the Minor in Environmental Engineering Science should take EECE 210.

² Students taking both environmental chemistry courses can count one of them toward the Environmental Engineering Electives.