

The Minor in Environmental Engineering Science

The EECE department sponsors an undergraduate minor in environmental engineering science. This 21-unit program prepares the student to seek an entry-level position as an environmental engineer, scientist or analyst. The minor also provides a solid foundation for undertaking graduate study in environmental engineering. Visit the EECE department website (<https://eece.wustl.edu/academics/undergraduate-programs/minors.html>) for more information.

Units required: 21

Required courses:

Select from the following menus:

Introduction* (3 units):

Code	Title	Units
EECE 101	Introduction to Energy, Environmental and Chemical Engineering (fall)	3
EECE 210	Introduction to Environmental Engineering (spring)	3

Environmental Chemistry (3 units):**

Code	Title	Units
EECE 505	Aquatic Chemistry (fall)	3
EECE 531	Environmental Organic Chemistry (fall)	3

Environmental Engineering electives (9 units):**

Code	Title	Units
EECE 308	Water Resources Engineering (fall)	3
EECE 309	Environmental Engineering Fate and Transport (fall)	3
EECE 311	Green Engineering (fall)	3
EECE 314	Air Quality Engineering with Lab (fall)	4
EECE 407	Environmental Biotechnology (fall)	3
EECE 425	Environmental Engineering Laboratory (spring)	3
EECE 504	Aerosol Science and Technology (fall)	3
EECE 514	Atmospheric Science and Climate (spring)	3
EECE 533	Physical and Chemical Processes for Water Treatment (spring)	3

Additional eligible courses (new courses, special offerings) will be posted on the EECE website as they become available.

Natural Science (3 units):

Code	Title	Units
Biol 381	Introduction to Ecology (spring)	3
EEPS 323	Biogeochemistry (spring)	3
EEPS 342	Environmental Systems	3
EEPS 386	The Earth's Climate System	3
EEPS 413	Introduction To Soil Science	3
EEPS 428	Hydrology (fall, most years)	3
EEPS 442	Aqueous Geochemistry	3

Environmental Policy and Social Science (3 units):

Code	Title	Units
Econ 451	Environmental Policy (fall)	3
EnSt 310	Ecological Economics (fall)	3
EnSt 346	Environmental Justice (spring)	3
EnSt 347	Sustainable Cities (spring)	3
EnSt 357	Multiparty Environmental Decision Making (spring)	3
EnSt 452	International Climate Negotiation Seminar (fall)	4
EnSt 461	Intro to Environmental Law	3
EnSt 539	Interdisciplinary Environmental Clinic (fall, spring)	var.; max 3

* First-year students potentially interested in majoring in chemical engineering should take EECE 101; all other students working toward the minor in environmental engineering science should take EECE 210.

** Students taking both environmental chemistry courses can count one of them toward the environmental engineering electives.

Committee to Oversee Environmental Engineering Science Minor

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