Washington University in St. Louis

Earth, Environmental, and Planetary Sciences

Minors

Requirements for All Minors

Students pursuing any Earth, environmental, and planetary sciences minor must complete the following course:

Code	Title	Units
EEPS 202	Introduction to Earth, Environmental, and Planetary Science	3

The Minor in Earth Science

Students must complete all of the requirements listed above for all minors as well as the following:

Disciplinary Requirements

Students must complete the following two courses:

Code	Title	Units
EEPS 340	Minerals, Rocks, Resources and the Environment	4
EEPS 353	Earth Forces	4

Disciplinary Electives

Students select two of the following courses:

Code	Title	Units
EEPS 317	Soil Science	3
EEPS 323	Biogeochemistry	3
EEPS 385	Earth History	3
EEPS 386	The Earth's Climate System	3
EEPS 401	Earth Systems Science	3
EEPS 407	Remote Sensing	3
EEPS 409	Surface Processes	3
EEPS 422	Sedimentary Geology	3
EEPS 428	Hydrology	3
EEPS 437	Igneous & Metamorphic Petrology	4
EEPS 441	Introduction to Geochemistry	3
EEPS 452	Introduction to Seismology	3
EEPS 453	Interior of the Earth	3
EEPS 459	Geodynamics	3
EEPS 460	Introduction to Structural Geology	4
EEPS 486	Paleoclimatology	3

The Minor in Environmental Science

Students must complete all of the requirements listed above for all minors as well as the following:

Disciplinary Requirements

Students must complete the following two courses:

Code	Title	Units
EEPS 340	Minerals, Rocks, Resources and the Environment	4
or EEPS 353	Earth Forces	
EEPS 342	Environmental Systems	3

Disciplinary Electives

Students select two of the following courses:

Code	Title	Units
Biol 381	Introduction to Ecology	3
Econ 451	Environmental Policy	3
or Pol Sci 2010	Introduction to Environmental Policy	
EECE 101	Introduction to Energy, Environmental and Chemical Engineering	3
EEPS 308	Topics in Environmental Sustainability	3
EEPS 317	Soil Science	3
EEPS 323	Biogeochemistry	3
EEPS 386	The Earth's Climate System	3
EEPS 407	Remote Sensing	3
EEPS 409	Surface Processes	3
EEPS 428	Hydrology	3
EEPS 442	Aqueous Geochemistry	3
EEPS 454	Exploration and Environmental Geophysics	4
EEPS 486	Paleoclimatology	3

The Minor in Planetary Science

Students must complete all of the requirements listed above for all minors as well as the following:

Disciplinary Requirements

Students must complete the following two courses:

Code	Title	Units
EEPS 340	Minerals, Rocks, Resources and the Environment	4
EEPS 353	Earth Forces	4

Disciplinary Electives

Students select two of the following courses:

Code	Title	Units
EEPS 401	Earth Systems Science	3
EEPS 407	Remote Sensing	3
EEPS 437	Igneous & Metamorphic Petrology	4
EEPS 441	Introduction to Geochemistry	3
EEPS 459	Geodynamics	3
EEPS 460	Introduction to Structural Geology	4
EEPS 467	Planetary Mission Design	3
EEPS 473	Planetary Geology	3
EEPS 474	Planetary Geochemistry	3
EEPS 567	Planetary Materials	3
EEPS 568	Scientific Exploration of the Moon	3
EEPS 570	Planetary Geophysics & Dynamics	3
EEPS 576	Advanced Planetary Geology: Ice Worlds	3

The Minor in Geospatial Science

Students must complete all of the requirements listed above for all minors as well as the following:

Disciplinary Requirements

Students must complete the following two courses:

Code	Title	Units
EEPS 387	Geospatial Science	4
or EEPS 587	Geospatial Science	
EnSt 380	Applications in GIS	3

Disciplinary Electives

Students select three of the following courses:

Code	Title	Units
Anthro 4803	Advanced GIS Modeling and Landscape Analysis	3
CSE 217A	Introduction to Data Science *	3
CSE 314A	Data Manipulation and Management *	3
CSE 417T	Introduction to Machine Learning *	3
EEPS 407	Remote Sensing	3
EEPS 468	Geospatial Field Methods	3
EnSt 481	Advanced GIS	3
EnSt 482	Applications in Geospatial Intelligence	3
EnSt 483	Introduction to Spatial Epidemiology	3
ESE 417	Introduction to Machine Learning and Pattern Classification *	3

* Previous or concurrent enrollment in CSE 131 Introduction to Computer Science is recommended.