

EASC EARTH AND ENVIRONMENTAL SYSTEMS (AERE)

Code	Title	Course Units
CHEM 1200	Environmental Chemistry	1
EAS 3010	Climate Policy and Technology	1
EAS 4010	Energy and Its Impacts: Technology, Environment, Economics, Sustainability	1
EAS 4020	Renewable Energy and Its Impacts: Technology, Environment, Economics, Sustainability.	1
EAS 4030	Energy Systems and Policy	1
EESC 1000	Earth Systems Science	1
EESC 1002	Geology Laboratory	1
EESC 1060	Natural Disturbances and Disasters	1
EESC 1500	Paleontology	1
EESC 2100	Mineralogy	1
EESC 2120	Earth Materials: Minerals and Rocks	1
EESC 2300	Global Climate Change	1
EESC 2500	Earth and Life Through Geologic Time	1
EESC 2600	Stratigraphy	1
EESC 2704	Earth and Environmental Field Studies	1
EESC 2800	Earth's Interior	1
EESC 3003	Penn in the Alps	1
EESC 3100	Petrology and Petrography	1
EESC 3300	Glaciers, Ice & Climate	1
EESC 3376	Climate and Big Data	1
EESC 3600	Earth's Surface	1
EESC 4200	Geochemistry	1
EESC 4250	Our Water Planet	1
EESC 4320	Atmospheric Chemistry	1
EESC 4336	Ocean-Atmosphere Dynamics and Implications for Future Climate Change	1
EESC 4360	Environmental Fluid Dynamics	1
EESC 4400	Biogeochemistry	1
EESC 4440	Geomicrobiology	1
EESC 4630	Hydrology	1
EESC 4660	Soil Science	1
EESC 4700	Remote Sensing	1
EESC 4800	Geophysics	1
EESC 4991	Topics in Earth Science	1
EESC 5200	Aqueous Geochemistry	1
EESC 5320	Fundamentals of Air Pollution	1
EESC 5400	Evolution/Revolution of Land Ecosystems	1
EESC 6360	Advanced Environmental Fluid Dynamics	1
ENVS 1000	Introduction to Environmental Science	1
ENVS 1665	Air Pollution: Sources & Effects in Urban Environments	1
ENVS 3100	Environmental Case Studies	1

ENVS 3103	Penn Global Seminar: Case Studies in Environmental Sustainability	1
ENVS 3700	GIS: Mapping Places & Analyzing Spaces	1
ENVS 4200	The anthropocene: Human-dominated Earth	1
ENVS 4250	Our Water Planet	1
ENVS 4520	Sustainable Landscapes	1
ENVS 5404	Wetlands	1
ENVS 5706	Modeling Geographical Objects	1
PHYS 0016	Energy, Oil, and Global Warming	1
PHYS 3314	Ocean-Atmosphere Dynamics and Implications for Future Climate Change	1