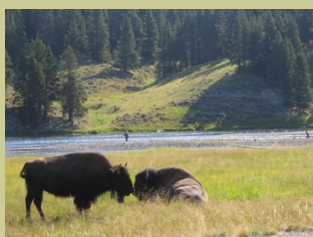


Environmental Studies Comprehensive, B.S.

***Environmental Studies** is an interdisciplinary program that investigates interactions between humans and their environment. This includes physical and biological aspects in addition to the highly modified human-made environments such as urban and agricultural systems.*



**Department of
Environmental and
Physical Sciences**
www.shepherd.edu/ieps

Preparing students with an integrative foundation in biology, physical sciences, technologies, earth systems and humanities and social sciences needed to understand interactions between humans and their environment

Required Courses

Environmental Core:

ENVS 201 – Foundations in Environmental Science I
ENVS 201L - Foundations in Environmental Science I Lab
ENVS 202 - Foundations in Environmental Science II
ENVS 202L - Foundations in Environmental Science II Lab
ENVS 462 - Environmental Capstone

Additional Requirements:

ENVS 401 - Conservation Ecology
MATH 314 - Statistics

Elective Courses

Foundational Sciences (choose one sequence):

BIOL 211 - Fundamentals of Biology I: Molecular and Cellular Function AND
BIOL 212 - Fundamentals of Biology II: Diversity of Life, OR
CHEM 207 - General Chemistry I, CHEM 207L - General Chemistry I Laboratory AND
CHEM 209 - General Chemistry II, CHEM 209L - General Chemistry II Laboratory, OR
PHYS 201 - College Physics I, PHYS 201L - College Physics I Laboratory AND
PHYS 202 - College Physics II, PHYS 202L - College Physics II Laboratory, OR
PHYS 221 - General Physics I, PHYS 221L - General Physics I Laboratory AND
PHYS 222 - General Physics II, PHYS 222L - General Physics II Laboratory

Environmental Earth Systems (choose two):

ENVS 309 - Regional Geology and Geomorphology
ENVS 362 - Soil Science and Lab
ENVS 368 - Geology of National Parks and Lab
GSCI 301 - Physical Geology
GSCI 302 - General Astronomy
GSCI 303 - Meteorology
GSCI 306 - Introduction to Oceanography and Lab
GSCI 312 - Historical Geology

Environmental Physical Sciences (choose two):

CHEM 333/333L - Environmental Chemistry and Lab
PHYS 301 - Energy
ENVS 341 - Sustainable Energy and Lab
ENVS 345 - Sustainable Development and Lab
ENVS 441 - Hydrology and Lab

Environmental Technology (choose one):

ENVS 390 - Geographic Information Systems
PHYS 302 - Physical Computing

Science Electives:

Choose any two (8 credits) 300-level or above ENVS,
GSCI or PHYS courses



Environmental Biology (choose two):

ENVS 300 - Integrated Pest Management and Lab
ENVS 301 - Wildlife Management and Lab
ENVS 302 - Forestry Management and Lab
ENVS 340 - Sustainable Agriculture and Lab
ENVS 342 - Limnology
ENVS 343 - Aquatic Entomology
ENVS 344 - Ichthyology
ENVS 422 - Stream Ecology

Environmental Humanities and Social Sciences:

Choose one from:

ENVS 306 - Environmental Policy
ENVS 322 - Environmental History
ENVS 323 - Environmental Ethics

Choose one from:

ANTH 300 - Introduction to Archaeology
ANTH 315 - Cultural Anthropology
APST 309 - West Virginia and the Appalachian
Region
APST 356 - Appalachian Culture
ECON 330 - Economics of Developing Countries
ENVS 324 - Environment in Film
GEOG 105 - World Cultural Geography
GEOG 202 - World Regions
GEOG 301 - World Economic Geography