

Environmental Science (ENVS) Major

Requirement	Credit Hours	Course(s)
Wellness	2	APPH 1040 or APPH 1050 or APPH 1060
Core A – Essential Skills	3	ENGL 1101
	3	ENGL 1102
	4	MATH 1552
Core B – Institutional Options	3	CS 1301 or CS 1315 or CS 1371
Core C – Humanities	6	Choose from institute approved Humanities courses
Core D – Science, Math, & Technology	4	PHYS 2211
	4	CHEM 1310 or CHEM 1211K
	2	MATH 1551
	2	MATH 1553 or MATH 1554 or MATH 1564
Core E – Social Sciences	3	INTA 1200 or POL 1101
	9	Choose from institute approved Social Science courses
Core F – Courses Relate to Major	4	CHEM 1315 or CHEM 1212K
	4	EAS 1600
	4	EAS 2600
	4	BIOS 1107/1107L or BIOS 1207/1207L
	4	BIOS 2300/2301 or BIOS 2310/2311
Major Requirements	4	BIOS 3380/3381 or EAS 4220/4221
	3	EAS 4410
	3	CP 4510
	3	PUBP 3315
	3	EAS 4480 or BIOS 4401
	4	EAS 4420 or BIOS 4590/BIOS 4460
	9	ENVS Approved Electives (6 credits must be in COS)
Upper Level Electives	7	Courses must be 3000 level or above
Free Electives	21	
TOTAL:	122	

* Pass/fail allowed only for Humanities, Social Sciences, and Free Electives.

* GT1000 is recommended under Free Electives

* 39 hours out of total 122 must be at 3000 level or above

Approved ENVS Electives

Other courses may be Technical Electives if approved by the ENVS advisor.

COS Electives

BIOS 3100. Ecology & Evolution: An Australian Perspective.
BIOS 3380. Microbiology
BIOS 3381. Microbiology Lab
BIOS 3600. Evolutionary Biology.
BIOS 4221. Biological Oceanography
BIOS 4340. Medical Microbiology
BIOS 4401. Experimental Design and Statistical Methods in Biological Sciences
BIOS 4410. Microbial Ecology
BIOS 4417. Marine Ecology
BIOS 4418. Microbial Physiology
BIOS 4428. Population Dynamics
BIOS 4515. Community Ecology
BIOS 4607. Molecular Biology of Microbes: Disease, Nature, and Biotechnology
BIOS 4620. Aquatic Chemical Ecology
BIOS 4651. Bioethics (human ethics focus)
BIOS 4690. Independent Research Project
BIOS 4699. Undergraduate Research
BIOS 4803. Special Topics

Recent relevant offerings: Conservation Biology, Biology of Terrestrial Vertebrates, Ornithology

BIOS 4813. Special Topics

Recent relevant offerings: Biodiversity on a Changing Planet

EAS 3110. Energy, Environment, and Society
EAS 3603. Thermodynamics of Earth Systems
EAS 4205 Geomorphology
EAS 4220. Environmental Geochemistry
EAS 4221. Environmental Geochemistry Lab
EAS 4224. Mineral Surface Geochemistry
EAS 4300. Oceanography
EAS 4305. Physical and Chemical Oceanography
EAS 4350. Paleoclimatology and Paleoceanography

Electives outside of COS

CEE 4300. Environmental Engineering Systems
CEE 4330. Air Pollution Engineering
CEE 4360. Energy and Resource Recovery
CP 4052. Sustainable Cities Studio
CP 4105. Land Conservation
CP 4190. Introduction to Climate Change Planning
CP 4210. Environmental Planning and Impact Assessment
ECON 3300. Economics of International Energy Markets
ECON 4440. Economics of Natural Resources and the Environment
HTS 3005. American Environmental History
HTS 3081. Technology and the Environment
INTA 3040. Energy, Environment, and Policy
INTA 4040. Environmental Politics
PHIL 4176. Environmental Ethics
PUBP 3320. Climate Policy
PUBP 3350. Energy Policy
PUBP 3600. Sustainability, Technology, and Policy
PUBP 4440. Science, Technology, and Regulation
PUBP 4530. Introduction to Geographic Information Systems
PUBP 4620. Environmental Law

EAS 4375. Earth and Planetary Materials

EAS 4380. Land Remote Sensing

EAS 4803. Special Topics

Recent relevant offerings: Glacier and Ice Sheet Dynamics, Basics of Geoengineering, Sea-level Rise and Coastal Engineering

EAS 4813. Special Topics.

Recent relevant offerings: Extreme Atlanta: Climate Change in Urban Spaces

EAS 4525. Weather Risk and Catastrophe Modeling

EAS 4602. Biogeochemical Cycles

EAS 4740. Atmospheric Chemistry

EAS 4699. Undergraduate Research

CHEM 3700. The Science of Alternative Energy

CHEM 4740. Atmospheric Chemistry