



BACHELOR OF SCIENCE ENVIRONMENTAL SCIENCE



PROGRAM AT A GLANCE


120

CREDIT HOURS

IN STATE

\$212.28
per credit hour

OUT OF STATE

\$748.89
per credit hour

PROGRAM CONTACT

College of Undergraduate Studies
Office of Interdisciplinary Studies
Trevor Colbourn Hall (TCH), 239
407-823-0144
cugsids@ucf.edu

PROGRAM HIGHLIGHTS

- Professional development through Global Information Systems (GIS) undergraduate certificates.
- Practical degree with competencies in natural resource management, conservation, and environmental protection.
- Focus on contemporary environmental challenges: develop an appreciation for social, political, and ethical dimensions of these issues.

APPLICATION DEADLINES

FRESHMAN

FALL
MAY 1

SPRING
NOVEMBER 1

SUMMER
MARCH 1

TRANSFER

FALL
JULY 1

SPRING
NOVEMBER 1

SUMMER
MARCH 1

Application deadlines subject to change; see undergraduate catalog for up-to-date deadlines.

<http://www.ucf.edu/catalog>

Navigate Change. Manage Resources.
Secure a sustainable future.

As the planet changes and resources dwindle, our communities look to individuals who can skillfully navigate these obstacles—professionals with the breadth of knowledge required to coordinate the efforts, craft communications, and understand infrastructure needs to secure our future.




Offered by the College of Undergraduate Studies, a B.S. in Environmental Science will provide you with the knowledge and skills you will need to protect the environment and human health whether your career takes you into government, the private sector, or a non-profit organization. Our multidisciplinary curriculum will teach you concrete skills to help you solve problems and navigate barriers in your future career. Core courses covering subjects such as ecology, project management, and sustainability will prepare you to address current and future complex environmental issues.

You'll be prepared to work in an emerging career field focused on building a sustainable future. Additionally, you'll gain an appreciation of the value of scientific inquiry within the context of the social, political, and ethical dimensions of environmental actions and policy decisions.

CAREER OUTLOOK


\$70K/yr
Median Earnings


4,900
Annual Job Openings


6%
Job Growth
Between 2022-2032



BACHELOR OF SCIENCE ENVIRONMENTAL SCIENCE

CURRICULUM

CORE COURSES

Basic Environmental Science Core: Basic Level 4 Total Credits

Complete the following:

PCB3044 - Principles of Ecology (3)

PCB3044L - Principles of Ecology Laboratory (1)

Advanced Level Environmental Studies Core 22 Total Credits

Complete the following:

EVR3008 - Foundations of Environmental Studies (3)

EVR3021 - The Science of Sustainability (3)

EVR3085 - Interdisciplinary Research Methods for Environmental Studies (3)

EVR4841 - Environmental Project Management (3)

GIS3043C - GIS for Environmental Studies (3)

GIS4301C - Advanced GIS Applications in Environmental Studies (4)

Complete at least 1 of the following:

HUM3397 - Environmental Humanities (3)

PHI3640 - Environmental Ethics (3)

PHI3033 - Philosophy, Religion, and the Environment (3)

PHI4633 - Ethics and Biological Science (3)

WST4349 - Ecofeminism (3)

RESTRICTED ELECTIVES

21 Total Credits

Earn at least 21 credits from the following:

BCH4053 - Biochemistry I (3)

BCH4054 - Biochemistry II (3)

BOT3802 - Ethnobotany (3)

BOT4713C - Plant Taxonomy (5)

BSC4312C - Advanced Marine Biology (4)

CHM3120 - Analytical Chemistry (3)

EVR3733 - Introduction to Sustainable Design (3)

EVR3422 - Sustainability and Behavior (3)

OCE3008 - Oceanography (3)

PCB3063 - Genetics (3)

PCB3442 - Aquatic Ecology (3)

PCB4683 - Evolutionary Biology (4)

PCB4723 - Animal Physiology (4)

ISC3424 - Chemical and Life Science Nanotechnology (3)

BOT3015 - Principles of Plant Science (3)

BOT4223C - Plant Anatomy (4)

BOT4282C - Plant Microtechniques (4)

BOT4434C - General Mycology (4)

BOT4503C - Plant Physiology (4)

BOT4850 - Medical Botany (3)

BSC3052 - Conservation Biology (3)

BSC3312 - Principles of Marine Biology (3)

BSC4330 - Invasion Biology (3)

BSC4821 - Biogeography (4)

BSC4861L - Urban Ecological Field Studies (3)

CHS4615 - Environmental Chemistry (3)

ENY3571 - Honey Bee Biology and Beekeeping (3)

ENY4004C - General Entomology (4)

GIS4314 - GIS Research Methods for Environmental Studies (3)

GLY4730 - Marine Geology (3)

GLY4734 - Coastal Processes (3)

MCB4603 - Environmental Microbiology (3)

PAZ4234 - Zoo and Aquarium Management (3)

PCB3023 - Molecular Cell Biology (3)

PCB3343L - Principles of Field Ecology (5)

PCB3354 - Tropical Ecology and Conservation (3)

PCB3355L - Tropical Marine Biology (2)

PCB4353 - Florida Ecology, Natural History and Conservation (3)

PCB4408 - Urban Ecology (8)

PCB4514 - Epigenetics (3)

PCB4684 - Population Genetics (9)

PCB4722 - Comparative Animal Nutrition (4)

PCB4723 - Animal Physiology (4)

PCB4802 - Comparative Endocrinology (3)

ZOO3454 - Ichthyology (3)

ZOO3713 - Comparative Vertebrate Anatomy (4)

ZOO4205C - Invertebrate Biodiversity (4)

ZOO4310C - Vertebrate Evolution & Ecology (4)

ZOO4462C - Herpetology (4)

ZOO4480 - Mammalogy (4)

ZOO4480L - Mammalogy Lab (1)

ZOO4603C - Embryology/Development (5)

ZOO4910L - Research Experience In Animal Behavior in a Zoo Environment (3)

HIGH IMPACT EXPERIENCE

3 Total Credits

Earn at least 3 credits from the following courses: undergraduate research, internship, study abroad, and service-learning high impact experience identified courses.

CAPSTONE

3 Total Credits

EVR4940 - Capstone Environmental Studies (3)

ADMISSIONS REQUIREMENTS

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)