



BACHELOR OF SCIENCE ENVIRONMENTAL SCIENCE



UNIVERSITY OF CENTRAL FLORIDA • ORLANDO, FLORIDA

PROGRAM AT A GLANCE

CREDIT HOURS

120

IN-STATE TUITION

\$212.28
per credit hour

OUT-OF-STATE TUITION

\$748.89
per credit hour

PROGRAM CONTACT

College of
Undergraduate Studies
cugsids@ucf.edu
407-823-0144

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 graduate catalog for up-to-date deadlines.

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



WELCOME

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.



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CURRICULUM

Basic Environmental Science Core - Basical Level: 4 Total Credits

- PCB3044 - Principles of Ecology (3)
- PCB3044L - Principles of Ecology Laboratory (1)

Advanced Level Environmental Studies Core: 22 Total Credits

- 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

- 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)

High Impact Experience: 3 Total Credits

Earn at least 3 credits from the following types of courses: Undergraduate research, internship, study abroad and/or 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.)