

Environmental Studies—Bachelor of Science (B.S.)

College of Undergraduate Studies | Interdisciplinary Studies Advising Office | 2023-2024 Catalog Information

Email: cugsids@ucf.edu | Phone: 407-823-0144 | <https://undergrad.ucf.edu> | Location: Trevor Colbourn Hall, Suite 239

University Graduation Requirements

General Education Program (GEP): 38 credits
Waived with an A.A. from a Florida public institution

- GEP 1: ENC 1101 (GRW)
- GEP 2: ENC 1102 (GRW)
- GEP 3: SPC 1603, SPC 1608, or COM 1000
- GEP 4: *GRW is recommended.*
- GEP 5: *State core is recommended.*
- GEP 6: *GRW is recommended.*
- GEP 7: MAC 1105 (GRM)
- GEP 8: STA 2023 (GRM)
- GEP 9: SYG 2000
- GEP 10: ECO 2023
- GEP 11: CHM 2045C
- GEP 12: BSC 2010C

State Core:

Take one state core course per foundation. These classes are denoted with a ◊.

Gordon Rule:

- Writing (12 credits) GRW
- Math (6 credits) GRM

Civic Literacy: Students who initially entered a FL state university in Fall 2018 or later must satisfy this requirement. See catalog for more information.

Other University Requirements:

- 120 earned credits
- 42 upper-level credits (XXX 3000-4999)
- Last 30 of 39 credits completed/taken through UCF
- Minimum 2.0 UCF GPA

Foreign Language Requirements:

- **Admission** - 2 years in high school or A.A. degree from a Florida public institution if you entered Fall 2014-2015 or after
- If requirement is not satisfied - 1 year of college proficiency (equivalent to ASL 2150, XXX 1121C or higher). satisfied with appropriate test credit.

UCF Online

While a handful of classes may be offered online, this is **not** an approved UCF Online program. It cannot be completed 100% online.

Note: If you are interested in a career involving field or lab work, we strongly recommend that you take additional chemistry (CHM 2046, CHM 2210) and pursue internships and/or undergraduate research.

Environmental Studies Core

These courses are required for the major. We strongly encourage students to complete them as part of their GEP or AA degree. All courses must be passed with a "C" or better.

CHM 2045C — Chemistry Fundamentals I <i>PR: CHM 1025 or successful score on Chem Placement Test + MAT 1033 or higher</i>	Varies GEP
MAC 1105 — College Algebra <i>PR: MAT 1033 or successful score on Math Placement Test</i>	Varies GEP
STA 2023 — Statistical Methods I <i>PR: Any MAC prefixed course</i>	Varies GEP
BSC 2010C — Biology I	Varies GEP
BSC 2011C — Biology II <i>PR: BSC 2010C</i>	4 credits
PCB 3044 — Principles of Ecology <i>PR: BSC 2011C & CHM 2045C</i>	3 credits
PCB 3044L — Principles of Ecology Lab <i>PR/CR PCB 3044</i>	1 credit
ECO 2023 — Microeconomics	GEP
SYG 2000 — Introduction to Sociology	GEP

Environmental Studies Advanced Core

These courses are required for the major. All courses must be passed with a "C" or better.

EVR 3008 — Foundations of Env. Studies <i>PR: Junior Standing (60 earned credits)</i>	3 credits
EVR 3021—The Science of Sustainability <i>PR/CR EVR 3008</i>	3 credits
EVR 3085 — Research Methods in Env. Studies <i>PR: EVR 3008</i>	3 credits
GIS 3043C — GIS for Environmental Studies <i>PR: Not enforced</i>	3 credits
GIS 4301C — Advanced GIS Applications for Env. Studies <i>PR: GIS 3043C</i>	4 credits
Select two: <ul style="list-style-type: none">• SYD 4510 — Environment and Society• ECP 3302 — Economics and the Environment• PUP 3203 — Environmental Politics	3 credits
Humanities Course (select one): <ul style="list-style-type: none">• IDS 3157—The Environment, Gender, and Sexuality• PHI 3640 — Environmental Ethics• PHI 3033 — Philosophy, Religion, and the Environment• PHI 4633 — Ethics and Biology Science• WST 4349 — Ecofeminism	3 credits

Sciences Track or Communication and Planning Track Electives 18 credits

Complete 18 credit hours of approved electives in one track. All courses must be passed with a "C" or better. Prerequisites will vary. Courses taken to satisfy basic and advanced core requirements cannot be used as in the track electives.

High Impact Graduation Requirement

Complete 3 credits of advisor approved undergraduate research, internship, study abroad, and/or service-learning (SL) exclusive of courses required in the major. A second semester of college-level language (XXX 1121C or higher) may also satisfy this requirement or an appropriate score on CLEP/FLATS/IB/AP Examinations.

EVR 4940 — Capstone in Environmental Studies

Required for the major. Must be taken in your graduating semester. "C" or better required.

Electives

As needed to meet university graduation requirements. 120 earned credits, 42 upper-level credits, and residency. Internships, undergraduate research, and other high impact coursework is strongly encouraged.

**Communication and Planning Electives. Complete 18 credit hours. Prerequisite(s) are subject to change.
Not all courses are offered every semester.**

Title	Prerequisite(s)
ANT 3290 Anthropology of Plants and People (3)	PR: ANT 2140 or Sophomore Standing
ANT 3541 Biobehavioral Anthropology (3)	PR: Sophomore Standing
ANT 3550C Primatology (3)	PR: ANT 2511 or BSC 2010C or CI
ANT 3701 Engagement & Social Change: Public Anthropology (3)	PR: Sophomore Standing or C.I.
ANT 4051 Environmental Anthropology (3)	PR: ANT 2140 or Junior Standing
ANT 4123 Archaeology of Coastal Societies (3)	PR: Sophomore Standing
ANT 4187 Paleoethnobotany (3)	PR: ANT 2140 & Junior Standing
ANT 4467 Nutritional Anthropology (3)	PR: ANT 2511 or CI
ANT 4480 Global Health in Anthropological Perspective (3)	PR: Sophomore Standing or C.I.
ANT 4933C Landscape Archaeology (3)	PR: ANT 2140 or CI, email Sandra.Wheeler@ucf.edu regarding override
BSC 4861L Urban Ecological Field Studies (3)	PR: "C" or better in BSC 2010C or CI
CPO 4794 Indigenous Politics & the Environment (3)	PR: POS 2041 or CI
ECP 4303 Environmental & Natural Resource Economics (3)	PR: ECO 3101
ENC 3241 Writing for the Technical Professional (3)	PR: "C" or better in ENC 1102, or CI
ENC 4360 Nature Writing (3)	PR: English Major/Minor, "C" or better in CRW 3013 & CRW 3053
ENV 3001 Introduction to Environmental Engineering (3)	PR: "C" or better in MAC 2312 & CHM 2045
ENV 4341 Sustainable Resource Management (3)	PR: ENV 3001 with "C" or better
HFT 3075 Sustainability in Hospitality (3)	PR: Not Enforced
GIS 4107 GIS Research Methods in Env. Studies (3)	PR: "C" or better GIS 3043C or entry level GIS course
HSC 4500 Epidemiology (3)	PR: Not Enforced
IDS 3152 Diversity Leadership and Env. Studies (3)	PR: ENC 1102
IDS 3157 The Environment, Gender, and Sexuality (3)	PR: ENC 1102
INR 3016 Global Political Issues (3)	PR: POS 2041 or CI
INR 4054 Global Politics of Energy (3)	PR: POS 2041 or ENC 1102 or CI
INR 4350 Global Environmental Politics (3)	PR: POS 2041 or ENC 1102 or CI
INR 4351 International Environmental Law (3)	PR: POS 2041 or ENC 1102, or CI
LIT 3437 International Environmental Justice Literature (3)	PR: "C" or better in ENC 1102 or CI
PAD 3330 Urban and Regional Planning (3)	PR: Junior Standing
PAD 4331 Land Use and Planning (3)	PR: Junior Standing
PAD 4351 Issues in Env. Program Management (3)	PR: Junior Standing
PHH 3701 Native American Philosophy (3)	PR: PHI 2010 or CI
PHI 3033 Philosophy, Religion & the Environment (3)	PR: Junior Standing, or CI
PHI 3638 Ethical Issues in the 21st Century (3)	PR: PHI 2010 or CI
PHI 3640 Environmental Ethics (3)	PR: Junior Standing
PHI 3672 Animal Ethics (3)	PR: PHI 2010 or CI
PHI 4400 Philosophy of Science (3)	PR: Junior Standing or PHI 2010 or CI
PHI 4633 Ethics and Biological Science (3)	PR: Completion of GEP
PHM 4031 Environmental Philosophy (3)	PR: PHI 3630, PHI 3640, or CI
PLA 4554 Environmental Law (3)	PR: ENC 1102
PSY 3630 Psychology of Human-Animal Interaction (3)	PR: PSY 2012 and Psychology Major, or CI
PUP 3204 Sustainability (3)	PR: ENC 1102 or Junior Standing
PUP 4209 Urban Environmental Policy (3)	PR: POS 2041 or ENC 1102 or CI
PUR 3210 Communication App. to Corporate Social Resp. (3)	PR: SPC 1608, SPC 1603C, COM 1000, or C.I.
REE 3614 Environmental Issues for Real Estate (3)	PR: REE 3043, REE 3433, declared in permitted program
SYD 4514 Environmental Movement (3)	PR: SYG 2000
SYA XXXX Participatory GIS in Belize (3) *Study Abroad	PR: Application and Approval by Study Abroad and instructor
SYO 3408 Animals and Health (3)	PR: SYG 2000
WST 4349 Ecofeminism (3)	PR: ENC 1102, WST 3015
Skills Based Courses - The following courses can count a maximum of 6 hours toward the required electives for the C&P track.	
COM 4462 Conflict Management (3)	PR or CR: COM 3311 or COM 3003 or CI
COM 4550 Public Communication Campaigns (3)	PR: COM 3311 or CI
COM 4563 Principles of Social Innovation and Activism	PR: Communication and Conflict major or COM 3003 or COM 3311 or CI
ENC 3455 Writing about Science and Technology (3)	PR: "C" or better in ENC 1102 or CI
EXP 3304 Motivation and Emotion (3)	PR: PSY 2012
EXP 3404 Basic Learning Processes (3)	PR: PSY 2012
MAN 4240 Org: Theory and Behavior	PR is Management Major and MAN 3025
MMC 3630 Social Media as Mass Communication (3)	PR: SPC 1608, SPC 1603C, COM 1000, or CI
POS 4206 Political Psychology (3)	PR or CR: ENC 1102 or POS 2041 or CI
SPC 4540 Persuasion and Communication (3)	PR or CR: COM 3003 or COM 3311 or CI
SYA 4650C Community Action and Involvement (3)	PR: SYG 2000
SYP 3400 Social Change (3)	PR: SYG 2000

Sciences Electives. Complete 18 credit hours. Prerequisite(s) are subject to change. Not all courses are offered every semester.	
Title	Prerequisite(s)
ANT 4187 Paleoethnobotany (3)	PR: ANT 2140 & Junior Standing (Can email Neil.Duncan@ucf.edu) regarding override.
ANT 4480 Global Health in Anthropological Perspective (3)	PR: Sophomore Standing or C.I.
ANT 4933C Landscape Archaeology (3)	PR: ANT 2140 or CI, email Sandra.Wheeler@ucf.edu regarding override
BCH 4053 Biochemistry I (3)	PR: CHM 2211
BCH 4054 Biochemistry II (3)	PR: BCH 4053
BOT 3015 Principles of Plant Science (3)	PR: BSC 2011C
BOT 3018C Culinary Botany Across the Cultures (4)	PR: BOT 3802 or BOT 3015 or C.I.
BOT 3802 Ethnobotany (3)	PR: "C" or better in BSC 2010C & BSC 2011C or CI
BOT 4223C Plant Anatomy (4)	PR: BOT 3802, or CI
BOT 4282L Plant Microtechniques (2)	PR: BOT 4223C or CI
BOT 4303C Plant Kingdom (4)	PR: BOT 3015 or CI
BOT 4434C General Mycology (4)	PR: BSC 2010C, MCB 3020C, or BSC 2011C
BOT 4503 Plant Physiology (4)	PR: "C" or better in BOT 3015 and PCB 3044 or PCB 3063, or CI
BOT 4713C Plant Taxonomy (5)	PR: BOT 3015 or CI
BOT 4850 Medicinal Botany (3)	PR: PCB 3522 or a "C" or better in PCB 3023, or CI
BSC 3052 Conservation Biology (3)	PR: "C" or better in PCB 3044 or CI
BSC 3312 Principles of Marine Biology (3)	PR: "C" or better in BSC 2010C/2011C
BSC 4310 SL: Marine Conservation and Restoration (3)	PR: "C" or better in BSC 3312 and permission from the Biology Dept.
BSC 4312C Advanced Marine Biology (4)	PR: BSC 3312, and a "C" or better in PCB 3044
BSC 4330 Invasion Biology (3)	PR: "C" or better in PCB 3044, or CI
BSC 4473C Scientific Diving (4)	PR: BSC 1005 or BSC 2010C or EVR 1001, and C.I.
BSC 4821 Biogeography (4)	PR: "C" or better in PCB 3044, PCB 4683, or CI
BSC 4861L Urban Ecological Field Studies (3)	PR: "C" or Better in BSC 2010C, or CI
CHM 3120 Analytical Chemistry (3)	PR: CHM 2046 and CHM 2046L
CHS 4615 Environmental Chemistry (3)	PR: CHM 2046, senior level in biological, molecular, chemical, or engineering sciences
ENY 3571 Honey Bee Biology & Beekeeping (3)	PR: BSC 2010C/2011C and CI
ENY 4004C General Entomology (4)	PR: "C" or better in BSC 2010C and BSC 2011C, or CI
GIS 4107 GIS Research Methods in Env. Studies (3)	PR: "C" or better GIS 3043C or entry level GIS course
GLY 4730 Marine Geology (3)	PR: Junior Standing, or CI
GLY 4734 Coastal Processes (3)	PR: Junior Standing, or CI
HSC 4500 Epidemiology (3)	PR: Not enforced
IDS 3152 Diversity Leadership and Env. Studies (3)	PR: ENC 1102
ISC 3424 Chemical and Life Science Nanotechnology (3)	PR: "C" or better in CHM 2045C
MCB 4603 Environmental Microbiology (3)	PR: MCB 3020C
OCE 3008 Oceanography (3)	PR: CHM 2045C & CHM 2046 and a "C" or better in BSC 2010C
PAZ 4234 Zoo & Aquarium Management (3)	PR: "C" or better in PCB 3044 and PCB 3063, CI
PCB 3023 Molecular Cell Biology (3)	PR: CHM 2210, and a "C" or Better in BSC 2010C and PCB 3063, or CI
PCB 3063 Genetics (3)	PR: CHM 2046, or "C" or better in BSC 2010C or CI
PCB 3343L Principles of Field Ecology (2-5)	PR: BSC 2011C, PCB 3044, or CI
PCB 3354 Tropical Ecology & Conservation (3)	PR: "C" or better in PCB 3044, or CI
PCB 3355L Tropical Marine Bio (2) *Study Abroad	PR: "C" or better in BSC 2010C/2011C + Approval by Study Abroad and instructor
PCB 3442 Aquatic Ecology (3)	PR: BSC 2010C and a "B" or better in BSC 2011C
PCB 4301C Wetland Ecology & Biogeochemistry (4)	PR: "B" or better in PCB 3044 or CI
PCB 4353 Florida Ecology, Natural His., & Conc. (3)	PR or CR: PCB 3044, or CI
PCB 4353L Florida Ecology, Natural His., & Conc. (3)	PR or CR: PCB 4353, or CI
PCB 4408 Urban Ecology (3)	PR: PCB 3044 with "B" or better. Or C.I.
PCB 4514 Genetics II (3)	PR: "B" or better in PCB 3063, or CI
PCB 4683 Evolutionary Biology (4)	PR: "C" or better in PCB 3063 and Junior Standing, or CI
PCB 4683L Evolutionary Biology Lab (1)	PR or CR: PCB 4683
PCB 4684 Population Genetics (3)	PR or CR: "C" or better in PCB 3063, PCB 4683, or CI
PCB 4722 Comparative Animal Nutrition	PR or CR: BSC 2010C, BSC 2011C, CHM 2210, CHM 2211, PCB 3044
PCB 4723 Animal Physiology (4)	PR: "C" or Better in PCB 3023, or CI
PCB 4802 Comparative Endocrinology (3)	PR: "C" or better in PCB 3023 and PCB 3044, or CI
SYA XXXX Participatory GIS in Belize (3) *Study Abroad	PR: Application and Approval by Study Abroad and instructor
ZOO 3454 Ichthyology (3)	PR: "C" or better in PCB 3063 and PCB 3044, or CI
ZOO 3713C Comparative Vert. Anatomy (5)	PR: "C" or better in BSC 2010C/2011C, or CI
ZOO 4205C Invertebrate Biodiversity (4)	PR: "C" or better in BSC 2010C, BSC 2011C and PCB 3044, or CI
ZOO 4272 Ornithology (3)	PR: "C" or better in BSC 2011C
ZOO 4310C Vertebrate Evolution & Ecology (4)	PR: "C" or better in BSC 2010C/2011C, PCB 3044, and PCB 3063, or CI
ZOO 4405C Sea Turtle Ecology and Conservation Internship (3)	PR: Internship application and approval from instructor
ZOO 4462C Herpetology (4)	PR: "C" or better in BSC 2011C and PCB 3044
ZOO 4480 Mammalogy (4)	PR: "C" or better in BSC 2010C/2011C, or CI
ZOO 4480L Mammalogy Lab (1)	CR: ZOO 4480
ZOO 4513 Animal Behavior (3)	PR: "C" or better in PCB 3044
ZOO 4603C Embryology/Development (5)	PR: "C" or better in PCB 3063 & PCB 3023 or PCB 3522, or CI
ZOO 4910L Research in Animal Behavior (3)	PR: "B" or better in ZOO 4513