

B.S. in Environmental Studies

UCF College of Undergraduate Studies | Interdisciplinary Studies | 2019-2020 Catalog Information

I. State Core	II. Foreign Language Admission Requirement (0-8 hrs)	V. Environmental Studies Fundamentals (22 hrs)
<p>◊ One (1) Florida State Core course is required per each of the five (5) GEP Foundations.</p> <p>*Consider Gordon Rule Writing (GRW) and State Core Requirements (◊) for your B3 course selection.</p>	<p>Two years high school, or two semesters of college level language (or equivalent) prior to graduation.</p>	<p>IDS 3150 Foundations of Environmental Studies 3 hrs (PR: Junior standing, complete GEP Math & Science)</p>
<p>I. General Education Program (38 hrs)</p>	<p>III. Foreign Language Graduation Requirement (4 hrs)</p>	<p>xxx 3XXX Interdisciplinary Research Methods 3 hrs (PR: Foundations of Environmental Science)</p>
<p>Communication Foundations (9 hrs) A1. Select ◊ ENC 1101 A2. Select ENC 1102 A3. Recommend SPC 1608 or SPC 1603</p>	<p>Proficiency equivalent to one semester of college instruction in a foreign language or American Sign Language. Standardized examinations for foreign languages may be used to meet this requirement, such as the Foreign Language Proficiency Exam.</p>	<p>ECP 3302 Economics & the Environment 3 hrs (PR: ECO 2023)</p>
<p>Cultural and Historical Foundations (9 hrs) B1. Select one of the following: AMH 2010 EUH 2000 EUH 2001 ◊ HUM 2020 HUM 2210 HUM 2230 WOH 2012 WOH2022</p>	<p>For additional information on the Foreign Language Achievement Testing Service (FLATS) commonly known as Foreign Language Proficiency Exam (FLPE), visit the University Testing Center www.utc.sdes.ucf.edu/flpe</p>	<p>GIS 3043C GIS for Environmental Studies 4 hrs</p>
<p>B2. Select one of the following: ARH 2050 ARH 2051 FIL 1000 FIL 2030 LIT 2110 LIT 2120 MUH 2017 MUH 2019 ◊ MUL 2010 MUL 2016 MUL 2720 ◊ PHI 2010 REL 2300 ◊ THE 2000</p>	<p>IV. Environmental Studies Core (GEP + 8 hrs)</p>	<p>GIS 4301C Advanced GIS for Environmental Studies 3 hrs (PR: GIS 3043C)</p>
<p>B3. Take one additional course from either B1 or B2*</p>	<p>A. Physical/Mathematical Sciences ◊ CHM 2045C Chemistry Fundamentals I* GEP *or CHM 2040 (Chem 1A) & CHM 2041 (Chem 1B) 3+3 hrs based on Chemistry Placement Test results</p>	<p>PUP 3203 Environmental Politics 3 hrs (PR: ENC 1102 or POS 2041 or C.I.)</p> <p>SYD 4510 Environment and Society 3 hrs (PR: SYG 2000 or Junior standing)</p>
<p>Mathematical Foundations (6 hrs) C1. Select ◊ MAC 1105 or higher C2. Select ◊ STA 2023</p>	<p>◊ MAC 1105 College Algebra or higher GEP</p>	<p>VI. Track (18 hrs) Students will complete 18 hrs in one track. Sciences Track 18 hrs or Communication and Planning Track 18 hrs</p>
<p>Social Foundations (6 hrs) D1. Select ECO 2023 D2. Select ◊ SYG 2000</p>	<p>◊ STA 2023 Statistical Methods I GEP</p>	<p>VII. Environmental Studies Capstone (3 hrs) IDS 4893 Environmental Studies Capstone* *Must be taken in graduating semester. Prerequisite is filing Intent to Graduate.</p>
<p>Science Foundations (6 hrs) E1. Select ◊ CHM 2045 or CHM 2040 & 2041 E2. Select ◊ BSC 2010C</p>	<p>◊ BSC 2010C Biology I GEP</p>	<p>VIII. Service Learning/Internship/or Research (3 hrs) Three (3) credits hours of undergraduate research, internship, and/or service learning exclusive of courses required in the major. Students may substitute proficiency or instruction in a foreign language equivalent to the second college semester for this requirement. Standardized examinations for foreign languages may be used to meet this requirement, such as the Foreign Language Achievement Testing Service (FLATS).</p>
<p>Civic Literacy Requirement (0-3 hrs) Students who initially entered a FL state university in Fall 2018 or later must successfully complete one of the following options:</p>	<p>B. Life Sciences ◊ BSC 2010C Biology I GEP</p>	<p>For information on Internships and Service Learning visit the Office of Experiential Learning www.explearning.ucf.edu</p>
<p>1. POS 2041 <u>OR</u> AMH 2020 2. Minimum score of 60 on U.S. Citizenship and Immigration Services Naturalization Test - Civics (U.S. History and Government) with supplemental questions 3. Minimum score of 3 on AP Government & Politics: United States, <u>OR</u> of 4 on AP United States History 4. Minimum score of 50 on CLEP American Government</p>	<p>BSC 2011C Biology II 4 hrs (PR: BSC 2010C)</p>	<p>For information on Research opportunities, visit the Office of Undergraduate Research www.our.ucf.edu</p>
<p>NOTES:</p>	<p>PCB 3044+L Principles of Ecology & Lab 4 hrs (PR: BSC 2010C & 2011C, and (PR/CR: CHM 2041 or PR: CHM 2045C))</p>	<p>* If you are interested in a career involving field or lab work, we STRONGLY RECOMMEND that you take additional Chemistry (e.g. CHM 2046 & CHM 2210)</p>
<p>NOTES:</p>	<p>C. Social Science & Humanities ECO 2023 Microeconomics GEP</p>	<p>* Additional Internships, Co-ops, and/or Research are also HIGHLY RECOMMENDED.</p>

Sciences Track

Students must select 18 credit hours in Sciences or C&P Track

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 Culture (4)	PR: BOT 3802, Junior Standing, or CI
BOT 3802 Ethnobotany (3)	PR: BSC 2010C/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 3315 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 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 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+L
CHS 4615 Environmental Chemistry (3)	PR: CHM 2046
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/2011C, or CI
GLY 4730 Marine Geology (3)	PR: Junior Standing, or CI
GLY 4734 Coastal Processes (3)	PR: Junior Standing, or CI
MCB 4603 Environmental Microbiology (3)	PR: MCB 3020C
OCE 3008 Oceanography (3)	PR: CHM 2045C/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) * <i>Stdy Abrd</i>	PR: "C" or better in BSC 2010C/2011C, or CI
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 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
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 Bio & Eco of Metazoan Invert. (4)	PR: "C" or better in BSC 2010C/2011C and PCB 3044, or CI
ZOO 4310C Vertebrate Evolution & Ecology (4)	PR: "C" or better in BSC 2010C/2011C, PCB 3044, and PCB 3063, or CI
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 4753C Vertebrate Histology (4)	PR: ZOO 4513
ZOO 4910L Research in Animal Behavior (3)	PR: "B" or better in ZOO 4513