

**ENVIRONMENTAL STUDIES TRACK (B.S.)
2016-2017 CATALOG**

There are three tracks in Interdisciplinary Studies (IDS). This handout is for the Environmental Studies Track.

Office Classroom I – Suite 302
Telephone/Fax 407-823-0144 / 407-823-2028
Email is@ucf.edu
Website www.is.ucf.edu

Description

The Interdisciplinary Studies (IDS) program is housed in the College of Undergraduate Studies and located in the Interdisciplinary Studies Office. It is a university-wide program designed for students seeking a combination of studies. The Environmental Studies track is designed for students who desire a broadly based foundation in environmental studies, including the science, policy and politics, philosophy, and technology of environmental issues.

Curriculum Requirements (Current Catalog)

1. Core plus Two Areas: The Environmental Studies track student completes the following: the Core for Environmental Studies (11 hours after GEP), the Environmental Studies Fundamentals (19 hours), and a specialized area of study in either the Sciences Concentration or the Values, Planning, and Policy Concentration (18 hours).
2. Restrictions on Areas and Minors
 - a. Non-Overlap: No courses can overlap in the major.
 - b. Permissible Courses and Grades: All courses requested to be used in this track are subject to the approval of an advisor and the Director. Only grades of “C” (2.0) or better in each course are accepted in the core and two areas. The two areas combined must contain at least 30 total upper level hours and 30 UCF hours. Courses used in the General Education Program (GEP) or those of lower level than the GEP courses cannot be used in the areas of study unless listed in the catalog.
3. Time of Change of Major and Catalog Year: Students must declare their IDS major – Environmental Studies track no later than the semester prior to the one of intended graduation. Students who change degree programs and select this major must adopt the most current catalog. One should meet with an advisor before declaring the IS major – Environmental Studies track.
4. Computer Competency: The major fulfills the Computer Competency Requirement.
5. Foreign Language: The BS degree requires one semester (or its equivalent) of college-level foreign language or one multicultural course. For a list of multicultural courses, please see the handout in the Department or visit the IDS website. Be sure that you have completed the university’s foreign language admission requirements before graduation.

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| <p>I. General Education Program (38 hrs) Communication Foundations (9 hrs) A1. Select ◊ ENC 1101 A2. Select ENC 1102 A3. Recommend SPC 1608 or SPC 1603</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>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>B3. Take one additional course from either B1 or B2*</p> <p>Mathematical Foundations (6 hrs) C1. Select ◊ MAC 1105 or higher C2. Select ◊ STA 2023</p> <p>Social Foundations (6 hrs) D1. Select ECO 2023 D2. Select ◊ SYG 2000</p> <p>Science Foundations (6 hrs) E1. Select ◊ CHM 2045 or CHM 2040 & 2041 E2. Select ◊ BSC 2010C</p> | <p>III. Environmental Studies Core (GEP + 11 hrs) 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>◊ MAC 1105 College Algebra or higher GEP</p> <p>PSC 1121 Physical Science* 3 hrs *or ◊ PHY 2053C College Physics I or higher (4 hrs)</p> <p>◊ STA 2023 Statistical Methods I GEP</p> <p>B. Life Sciences ◊ BSC 2010C Biology I GEP</p> <p>BSC 2011C Biology II 4 hrs</p> <p>PCB 3044+L Principles of Ecology & Lab 3+1 hrs</p> <p>C. Social Science & Humanities ECO 2023 Microeconomics GEP</p> <p>◊ SYG 2000 Sociology GEP</p> | <p>V. Concentration Area (18 hrs)</p> <p>Sciences 18 hrs or Values, Planning, and Policy 18 hrs</p> <p>NOTES: * If you are interested in working in the Environmental Field with any kind of Science Focus, we HIGHLY RECOMMEND that you take additional Chemistry (e.g. CHM 2046 & CHM 2210)</p> <p>* An Internship, Co-op, or Research is also HIGHLY RECOMMENDED.</p> <p>For information on Internships and/or Co-op, visit the Office of Experiential Learning www.explearning.ucf.edu</p> <p>For information on Research opportunities, visit the Office of Undergraduate Research www.our.ucf.edu</p> |
| <p>State Core</p> <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>IV. Environmental Studies Fundamentals (19 hrs) IDS 3150 Foundations of Environmental Studies 3 hrs (PR: Junior standing, complete GEP Math & Science)</p> <p>ECP 3302 Economics & the Environment 3 hrs (PR: ECO 2023)</p> <p>GIS 3043C GIS for Environmental Studies 3 hrs (PR: CGS 1060C and BSC 2010C, or C.I.)</p> <p>GIS 4301C Advanced GIS for Environmental Studies 4 hrs (PR: GIS 3043C)</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>Updated May 2016</p> |
| <p>II. Foreign Language Req. (0-8 hrs)</p> <p>Admission - BS: Two years high school, or two semesters of college level language (or equivalent) prior to graduation.</p> <p>Graduation - BS: One semester of college level language (or equivalent) or an approved Multicultural course prior to graduation.</p> | | |

| Sciences Concentration: | | Values, Planning & Policy Concentration: | |
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| BCH 4053 Biochemistry I (3) | PR: CHM 2211 | ANT 3541 Biobehavioral Anthropology (3) | PR: ANT 2000 or ANT 2511 |
| BCH 4054 Biochemistry II (3) | PR: BCH 4053 | ANT 3550C Primatology (3) | PR: ANT 2511 or BSC 2010C |
| BOT 3018C Culinary Botany Across Culture (3) | PR: BOT 3802 | ANT 3701 Applied Anthropology (3) | PR: ANT 2000 or ANT 2410 |
| BOT 3152C Local Flora (3) | PR: BSC 2010C/2011C | ANT 4467 Nutritional Anthropology (3) | PR: one 2000 level ANT and one BSC |
| BOT 3802 Ethnobotany (3) | PR: BSC 2010C/2011C | BOT 3802 Ethnobotany (3) | PR: BSC 2010C/2011C |
| BOT 4223C Plant Anatomy (4) | PR: BOT 3802 | BSC 4861L Sustainability (3) | PR: BSC 2010C |
| BOT 4303C Plant Kingdom (5) | PR: BOT 3802 | CPO 4794 Indigenous Politics & the Environment (3) | PR: POS 2041 |
| BOT 4434C General Mycology (4) | PR: BSC 2010C & MCB 3020C, or BSC 2011C | ECP 4303 Environmental & Natural Resource Economics (3) | PR: ECO 3101 |
| BOT 4503 Plant Physiology (3) | PR: PCB 3023 | EGS 4710 Energy and Society (3) | PR: none listed |
| BOT 4713C Plant Taxonomy (5) | PR: BOT 3802 | ENC 3211 Theory & Practice of Technical Writing (3) | PR: ENC 1102, Junior Standing |
| BOT 4850 Medicinal Botany (3) | PR: PCB 3522 or PCB 3023 | ENC 3241 Writing for the Technical Professional (3) | PR: ENC 1102, Junior Standing |
| BSC 3052 Conservation Biology (3) | PR: PCB 3044 | ENC 4360 Nature Writing (3) | PR: CRW 3013, CRW 3053 |
| BSC 3312 Principles of Marine Biology (3) | PR: BSC 2010C/2011C | ENV 3001 Introduction to Environmental Engineering (3) | PR: MAC 2312 & CHM 2045 or CHS 1440 |
| BSC 4312C Advanced Marine Biology (4) | PR: PCB 3044, BSC 3312 | GIS 4035C Remote Sensing of the Environment (3) | PR: GEO 2000 |
| BSC 4330 Invasion Biology (3) | PR: PCB 3044 | HSC 4500 Epidemiology (3) | PR: HSA 3111 & STA 2014 or STA 2023 |
| BSC 4821 Biogeography (4) | PR: PCB 3044, PCB 4683 | IDS 4204C Advanced Topics on Energy & Sustainability (3) | PR: E & S Minor, Senior Standing, GEP |
| BSC 4861L Socially & Economically Env. Prot. | PR: BSC 2010C | INR 3016 Global Political Issues (3) | PR: POS 2041 |
| CHM 3120 Analytical Chemistry (3) | PR: CHM 2046+L | INR 4054 Global Politics of Energy (3) | PR: POS 2041 or ENC 1102 |
| CHS 4615 Environmental Chemistry (3) | PR: CHM 2046 | INR 4350 Global Environmental Politics (3) | PR: POS 2041 or ENC 1102 |
| ENY 4004C General Entomology (4) | PR: BSC 2010C/2011C | INR 4351 International Environmental Law (3) | PR: POS 2041 or ENC 1102 |
| HSC 4500 Epidemiology (3) | PR: HSA 3111 & STA 2014 or STA 2023 | LIT 3437 International Environmental Justice Literature (3) | PR: ENC 1102 |
| MCB 4603 Environmental Microbiology (3) | PR: MCB 3020C | PAD 3330 Urban and Regional Planning (3) | PR: Junior Standing, U & RP minor |
| OCE 3008 Oceanography (3) | PR: BSC 2010C, CHM 2045C/2046 | PAD 4331 Land Use and Planning (3) | PR: Junior Standing, U & RP minor |
| PAZ 4234 Zoo & Aquarium Management (3) | PR: PCB 3044, PCB 3063 | PAD 4351 Issues in Environmental Program Management (3) | PR: Junior Standing, U & RP minor |
| PCB 3023 Molecular Cell Biology (3) | PR: BSC 2010C, CHM 2210, PCB 3063 | PHH 3701 Native American Philosophy (3) | PR: PHI 2010 |
| PCB 3063 Genetics (3) | PR: BSC 2010C, CHM 2046 | PHI 3033 Philosophy, Religion & the Environment (3) | PR: Junior Standing |
| PCB 3343L Principles of Field Ecology (2-5) | PR: BSC 2011C, PCB 3044 | PHI 3640 Environmental Ethics (3) | PR: Junior Standing |
| PCB 3354 Tropical Ecology & Conservation (3) | PR: PCB 3044 | PHI 3672 Animal Ethics (3) | PR: PHI 2010 |
| PCB 3355L Tropical Marine Bio (2) * <i>Stdy Abrd</i> | PR: BSC 2010C/2011C | PHI 4400 Philosophy of Science (3) | PR: Junior Standing or PHI 2010 |
| PCB 3442 Aquatic Ecology (3) | PR: BSC 2010C/2011C | PHI 4633 Ethics and Biological Science (3) | PR: Completion of GEP |
| PCB 4353 Florida Natural History (3) | PR: BSC 2010C/2011C | PHM 4031 Environmental Philosophy (3) | PR: PHI 2630 or PHI 3640 |
| PCB 4514 Genetics II (3) | PR: PCB 3063 | PLA 4554 Environmental Law (3) | PR: PLA 3014, Junior Standing |
| PCB 4683 Evolutionary Biology (4) | PR: PCB 3044, PCB 3063 | PSY 3630 Psychology of Human-Animal Interaction (3) | PR: PSY 2012 |
| PCB 4684 Population Genetics (3) | PR: PCB 3063, PCB 4683 | PUP 3204 Sustainability (3) | PR: ENC 1102 |
| PCB 4723 Animal Physiology (4) | PR: PCB 3023 | PUP 4209 Urban Environmental Policy (3) | PR: POS 2041 or ENC 1102 |
| PCB 4802 Comparative Endocrinology (3) | PR: PCB 3023, PCB 3044 | REE 3614 Environmental Issues for Real Estate (3) | PR: REE 3043, REE 3433, minor |
| ZOO 3713C Comparative Vert. Anatomy (5) | PR: BSC 2010C/2011C | SYD 4514 Environmental Movement (3) | PR: SYG 2000 or ANT 2000 or PSY2012 |
| ZOO 4205C Bio & Eco of Metazoan Invert. (4) | PR: BSC 2010C/2011C, PCB 3044 | SYO 3408 Animals and Health (3) | PR: SYG 2000 or ANT 2000 or PSY2012 |
| ZOO 4310C Vertebrate Evolution & Ecology (4) | PR: BSC 2010C/2011C, PCB 3044, PCB 3063 | WST 4349 Ecofeminism (3) | PR: ENC 1102, WST 3015 |
| ZOO 4480 Mammalogy (4) | PR: BSC 2010C/2011C | | |
| ZOO 4480L Mammalogy Lab (1) | CR: ZOO 4480 | | |
| ZOO 4513 Animal Behavior (3) | PR: PCB 3044 | | |
| ZOO 4603C Embryology/Development (5) | PR: PCB 3063 & PCB 3023 or PCB 3522 | | |
| ZOO 4910L Research in Animal Behavior | PR: ZOO 4513 | | |
| ZOO 4753C Vertebrate Histology (4) | PR: ZOO 3733C | | |

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