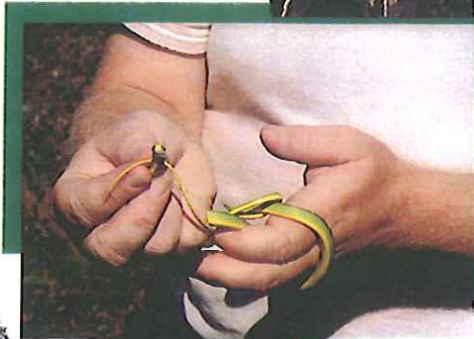


Environmental Science Technology...

Associate in Science Degree



Lake Sumter
State College



This program will prepare students for occupations in natural conservation and research, sustainability, and environmental studies.

The EVS curriculum is built upon the following core courses:

- Introduction to Environmental Sustainability w/lab
- Field Biology of Florida w/lab
- Introduction to Geographic Information Systems w/lab
- Natural Resources Conservation and Management w/lab
- Environmental Regulation and Compliance
- Environmental Sampling and Analysis I w/lab

There will be a co-op at the end of the last semester.

Job skills you will acquire:

- Identify sources of environmental contamination
- Conduct field monitoring of air, water, wastewater and/or soil quality
- Analyze and report regulatory compliance data
- Perform waste management operations
- Operate and maintain sampling and analytical equipment
- Ensure compliance with health and safety requirements
- Participate in emergency response operations

For more information:

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Lake-Sumter State College

LSSC is a public state college supported by the State of Florida
LSSC is an equal access/equal opportunity institution.

UCF Degree Programs

Interdisciplinary Studies - Environmental Studies

Track (B.S.)

Office of Undergraduate Studies

Office of Interdisciplinary Studies,

Classroom Building I, Room: 302

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

Email: is@ucf.edu

Phone: 407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in the major.
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas.
- Students must consult with an Interdisciplinary Studies adviser when entering the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Required	MAC 1105C	College Algebra	3 hrs
Required	STA 2023	Statistical Methods I	3 hrs

¹ may take a higher level math

D: Social Foundations (6 hrs)

Required	SYG 2000	Introduction to Sociology	3 hrs
Required	ECO 2023	Principles of Microeconomics	3 hrs

E: Science Foundations (8 hrs)

Required	BSC 2010C	Biology I	4 hrs
Required	CHM 2045C	Chemistry Fundamentals I	4 hrs

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (11 hrs)

- Core for Environmental Studies:

Physical/Mathematical Sciences

CHM 2045C	Chemistry Fundamentals I	GEP
MAC 1105C	College Algebra	GEP
PSC 1121	Physical Science	3 hrs
STA 2023	Statistical Methods I	GEP

Life Sciences

BSC 2010C	Biology I	GEP
BSC 2011C	Biology II	4 hrs

PCB 3044	Principles of Ecology	3 hrs
PCB 3044L	Principles of Ecology Laboratory	1 hr

Social Science & Humanities

SYG 2000	Introduction to Sociology	GEP
ECO 2023	Principles of Microeconomics	GEP

4. Core Requirements: Advanced Level (19 hrs)

Environmental Studies Fundamentals

IDS 3150	Foundations of Environmental Studies	3 hrs
ECP 3302	Economics and the Environment	3 hrs
GIS 3043C	GIS for Environmental Studies	3 hrs
GIS 4301C	Advanced GIS Applications in Environmental Studies	4 hrs

PUP 3203	Environmental Politics	3 hrs
SYD 4510	Environment and Society	3 hrs

5. Restricted Electives (18 hrs)

- Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

- Select eighteen hours in one concentration.

Science Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

BCH 4053	Biochemistry I	3 hrs
BCH 4054	Biochemistry II	3 hrs
BOT 3152C	Local Flora	3 hrs
BOT 3802	Ethnobotany	3 hrs
BOT 4303C	Plant Kingdom	5 hrs
BOT 4713C	Plant Taxonomy	5 hrs
BSC 4312C	Advanced Marine Biology	4 hrs
CHM 3120	Analytical Chemistry	3 hrs
OCE 3008	Oceanography	3 hrs
PCB 3063	Genetics	3 hrs
PCB 3442	Aquatic Ecology	3 hrs
PCB 4683	Evolutionary Biology	4 hrs
PCB 4723	Animal Physiology	4 hrs
PCB 5045	Conservation Biology	4 hrs
PCB 5326C	Ecosystems of Florida	5 hrs

Values, Planning, & Policy Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

ANT 3541	Biobehavioral Anthropology	3 hrs
BOT 3802	Ethnobotany	3 hrs
ECP 4303	Environmental and Natural Resource Economics	3 hrs
ENC 3211	Theory and Practice of Technical Writing	3 hrs
ENC 3241	Writing for the Technical Professional	3 hrs
ENC 4360	Nature Writing	3 hrs
INR 4351	International Environmental Law	3 hrs
PAD 3330	Urban and Regional Planning	3 hrs
PAD 4351	Issues in Environmental Program Management	3 hrs

PHI 3033	Philosophy, Religion, and the Environment	3 hrs
PHI 3640	Environmental Ethics	3 hrs
PHI 4400	Philosophy of Science	3 hrs
PHI 4633	Ethics and Biological Science	3 hrs
PHM 4031	Environmental Philosophy	3 hrs
PLA 4554	Environmental Law	3 hrs
PUP 3204	Sustainability	3 hrs
PUP 4209	Urban Environmental Policy	3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oegas.ucf.edu/alca/academic_learning_compacts.htm