Environmental Education (15EEDM)

Description

The undergraduate minor in Environmental Education is offered to students interested in building environmental literacy among pre-K through adult audiences. Environmental literacy includes environmental awareness and knowledge, pro-environmental attitudes and sensitivity, critical thinking skills necessary to analyze complex environmental challenges, and motivation to act in environmentally responsible ways. Undergraduates may be interested in careers including informal science education (e.g., in museums or aquaria), environmental interpretation (e.g., parks and nature centers), or formal K-12 education. The minor is designed to give an opportunity to make substantial progress toward the NC Environmental Education Certification program, a certification listed as a requirement (or working towards) for positions within many parks, informal science education facilities, and recognized and favored nationally by many museums, aquaria, and nature centers.

Required Courses (6 credit hours)

- EMS 350 Teaching Methods in Environmental Education
- PRT 385 Environmental Education in Practice

Elective Courses (9 credit hours)

Students must take 3 hours of Natural Sciences courses, 3 hours of Teaching and Facilitation courses, and 3 additional hours from either one of these categories OR from the Interdisciplinary Perspectives courses. Students who identify other courses more appropriate to their goals should consult with the minor advisor to seek permission for those courses to count.

Natural Sciences (select 3 hours):

These courses are meant to provide the content knowledge commonly used in environmental education, which usually includes natural history or identification knowledge, knowledge of ecosystems, or knowledge of environmentally friendly practices.

- FW 221 Conservation of Natural Resources
- FW 333 Conservation Biology & Practice
- FW 373 Vertebrate Natural History
- FW 403 Urban Wildlife Management
- NR 350 Sustainable Use of Natural Resources
- FW 411/511 Human Dimensions of Wildlife
- SMT 302 Processing of Biomaterial
- PSE 200 From Papyrus to Plasma Screens: Paper and Society
- PSE 335 Principles of Green Chemistry
- ES 100 Environmental Science
- ES 200 Climate Change and Sustainability
- ES 300 Energy & the Environment
- PB 200 Plant Life
- PB 220 Local Flora
- SSC 185 Land and Life
- MEA 135 Environmental Issues in Water Resources
- FOR 220 Urban and Community Forestry
- FOR 260 Forest Ecology
Teaching & Facilitation Courses (select 3 hours)
These courses are intended to give students a background in teaching and learning theory and practices.

- EMS 205 Introduction to Teaching Science
- EMS 375 Science Teaching Methods
- PRT 214 Introduction to Adventure Education
- PRT /HESM 215 Principles and Practices of Outdoor Leadership
- PRT 442 Recreation & Park Interpretive Services
- AEE 325 Planning and Delivering Non-Formal Education
- AE 435 Professional Presentations in Agricultural and Life Sciences

Interdisciplinary Perspectives on the Environment (select 3 hours from here OR from any of the courses in the other two areas)
These courses are designed to give students a broader view beyond natural science and teaching. These courses may be particularly useful to those interested in a specific topic (e.g., environmental justice) or who anticipate employing EE principals in a diversity of careers (e.g., planning departments).

- BIO 227 Understanding Structural Diversity through Biological Illustration
- CNR 250 Diversity and Environmental Justice
- IDS 201 Environmental Ethics
- IDS/NR 303 Humans and the Environment
- HI 440 American Environmental History
- ARE/EC 336 Environmental Economics
- LAR 221 Intro to Environment and Behavior for Designers
- LAR 444 History of Landscape Architecture

REQUIREMENTS FOR ADMISSION AND COMPLETION OF THE MINOR
To be certified as having completed the minor in Environmental education, students must have a minimum 2.0 grade point average across all courses used toward the minor. The minor will be certified prior to graduation. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for the minor should be completed no later than during the registration period for the student's final semester at NC State. Other specifications include:

- Enrollment in the minor is open to any student at NC State.
- Students must take 6 hours of required courses and 9 hours of electives for a total of 15 hours, per the course requirements list
- No more than six (6) hours of transfer credits can be used toward the minor.

ADMINISTRATION OF THE MINOR

Kathryn Stevenson, Assistant Professor
Department of Parks, Recreation & Tourism Management
Biltmore 4008D, Box 8004
919-515-2739
kathryn_stevenson@ncsu.edu

SIS code: 15EEDM