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UF ONLINE

Interdisciplinary Studies:
ENVIRONMENTAL MANAGEMENT
in Agriculture & Natural Resources

snre.ufl.edu
soils.ifas.ufl.edu
The School of Natural Resources and Environment and the Soil and Water Sciences Department offer several environmental sciences programs. The UF Online Interdisciplinary Studies: Environmental Management in Agriculture and Natural Resources Bachelor of Science degree program provides the scientific and technical foundation to integrate and communicate the diverse environmental issues associated with urban, agricultural, and natural ecosystems. Students develop an understanding of the best use of our natural resources for their social and economic benefits while protecting associated resource values, property rights and the environment. This degree provides a solid grounding in the areas of hydrology, soil science, pest management, water resources and agricultural ecology.

**COURSE REQUIREMENTS**

Lower division courses are selected to create a strong background in physical and biological sciences, communications, and mathematics. These are critical courses for developing a good understanding of environmental science.

**LOWER DIVISION REQUIREMENTS**

**Physical Sciences:** CHM 2045 with CHM 2045L & CHM 2046 with CHM 2046L

**Biological Sciences:** BSC 2005 with BSC 2005L or BSC 2010 with BSC 2010L

**Mathematics:** MAC 2233

**Statistics:** STA 2023

**Public Speaking:** AEC 3030c or SPC 2608

**COLLEGE OF AGRICULTURAL AND LIFE SCIENCES (CALS) REQUIREMENTS:**

**Economics:** AEB 2014, ECO 2013, or ECO 2023

**Advanced Written Communication:** ENC 2210 or AEC 3033C

**CORE CURRICULUM REQUIREMENTS • 42-43 CREDITS**

A core set of courses dealing with land, water, natural resource policy, management and geographic information systems provides a solid background in environmental management:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>AEB 3133 or MAN 3025</td>
<td>Principles of Agribusiness Management or Principles of Management</td>
<td>3-4</td>
</tr>
<tr>
<td>ALS 3133</td>
<td>Agriculture and Environmental Quality</td>
<td>3</td>
</tr>
<tr>
<td>ALS 3153</td>
<td>Agricultural Ecology or equivalent</td>
<td>3</td>
</tr>
<tr>
<td>AOM 4643</td>
<td>Environmental Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>FNR 4660C</td>
<td>Natural Resource Policy and Administration</td>
<td>3</td>
</tr>
<tr>
<td>GLY 2030C</td>
<td>Environmental and Engineering Geology</td>
<td>3</td>
</tr>
<tr>
<td>IPM 3022 or ENY 3005 with ENY 3005L</td>
<td>Fundamentals of Pest Management or Principles of Entomology with Lab</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2020</td>
<td>Principles of Physics</td>
<td>3</td>
</tr>
<tr>
<td>SWS 3022</td>
<td>Introduction to Soils in the Environment</td>
<td>3</td>
</tr>
</tbody>
</table>

**ELECTIVES • 24 CREDITS**

The electives may be customized at the discretion of the student and advisor. Students are expected, with the aid and approval of their advisor, to select a suite of electives that will accomplish their goals for this major.

**POTENTIAL CAREERS**

- Sustainable food and fiber production
- Environmental policy and analysis
- Water resources
- Energy resources
- Soil conservation

**POTENTIAL EMPLOYERS**

- Agricultural producers/Agribusiness
- Environmental and agricultural consulting firms
- Agricultural input manufacturers and sellers
- Governmental agricultural service agencies/Extension Service
- Natural Resources Conservation Service
- Soil and Water Conservation Districts
- Florida Water Management Districts
- Federal and State regulatory agencies
- Park and natural lands agencies

**ENVIRONMENTAL SCIENCES PROGRAMS**

School of Natural Resources and Environment and Soil and Water Sciences

- Bachelor of Arts or Bachelor of Science in Environmental Science
- Bachelor of Science in Environmental Management – Interdisciplinary Studies (on campus or UF Online)
- Bachelor of Science in Soil and Water Sciences – Specialization in Soil Science or Water Science
- Combined BS/MS in Soil and Water Sciences or in Environmental Science and Interdisciplinary Ecology
- Minor in Soil and Water Sciences or in Environmental Science