Environmental Science: Biology Option

Bachelor of Science (BS)

Environmental quality is fundamental to our quality of life. Environmental science seeks to preserve and improve our environment for ourselves and future generations.

Environmental science is an inter-departmental, interdisciplinary degree program based in the College of Science, Technology and Agriculture. It is a diverse, hybrid field of study that is based upon strong training in the natural sciences, mathematics, law, economics, and health.

The curriculum for the B.S. in environmental science consists of a core of approximately 60 credit hours and 20-30 additional credit hours in one of six degree option areas. All students participate in internships and/or research. This education and training provides multiple opportunities for graduates in the growing environmental field.

Environmental Science students will...
- Complete a science-intensive interdisciplinary curriculum providing a foundation to address environmental issues of today and the future.
- Study in modern classrooms and laboratories in the remodeled Magill Hall of Science.
- Gain valuable professional and personal experiences through internships and/or research.
- Be well prepared to enter career positions in the environmental field or to pursue post-baccalaureate education programs.
- Develop competencies to become professional and community leaders in efforts to develop a sustainable society.

Career Planning

Approximately 70% of environmental science graduates directly enter the work force. All graduates seeking employment in the environmental field have obtained a relevant career position.

Approximately 30% of environmental science graduates continue their education in graduate programs in the sciences, law school, MBA programs, or medical school.

Each student works individually with a faculty advisor in their area. The advisor assists students with curricular planning and development of career goals. Professional career counselors are available for all students. The Office of Career Services in Academic Hall 057 can provide students with professional career counseling, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Internship, Employment, and Post-Baccalaureate Opportunities of Recent Graduates
- U.S. Environmental Protection Agency
- Missouri Department of Conservation
- U.S. Green Building Council
- Centers for Disease Control and Prevention
- Illinois Natural History Survey
- A.T. Still University School of Osteopathic Medicine
- Science Applications International Corporation
- Missouri Department of Natural Resources
- Saint Louis University School of Law
- U.S. Fish and Wildlife Service
- Southern Illinois University - Edwardsville
- CH2M Hill Inc.
- KRCU National Public Radio
- Missouri Botanical Garden
- Emory University
- Burns & McDonnell Engineering Co. Inc.
- Missouri Department of Natural Resources
- Saint Louis Zoological Park
- A.T. Still University School of Osteopathic Medicine
- Science Applications International Corporation
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- U.S. Fish and Wildlife Service
- Southern Illinois University - Edwardsville
- CH2M Hill Inc.
- KRCU National Public Radio
- Missouri Botanical Garden
- Emory University
- Burns & McDonnell Engineering Co. Inc.
- Illinois Environmental Protection Agency
- St. Louis County Department of Health
- U.S. Army Corps of Engineers
- Saint Louis Zoological Park

Demonstrated Career Proficiency is a Requirement of all Southeast Students

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<th>Demonstrated Career Proficiency is a Requirement of all Southeast Students</th>
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<tbody>
<tr>
<td>CL001/CL002 First Semester Complete the FOCUS2 assessment and develop a Career Action Plan.</td>
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<tr>
<td>CL003 Junior Year Students gain information about career planning and job searching resources.</td>
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<tr>
<td>CL004 Senior Year Students demonstrate advanced proficiency by identifying a position in their field, developing a cover letter, and tailoring a resume for the position. Materials are critiqued to ensure preparedness for a successful job search.</td>
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This is a guide based on the 2016-2017 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use DegreeWorks to monitor their individual progress.

**CURRICULUM CHECKLIST**

**Environmental Science: Biology Option – 65-69 Hours**

- **Fall Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

- **Spring Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

**SAMPLE FOUR-YEAR PLAN**

**FIRST YEAR**

- **Fall Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

- **Spring Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

**SECOND YEAR**

- **Fall Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

- **Spring Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

**THIRD YEAR**

- **Fall Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

- **Spring Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

**FOURTH YEAR**

- **Fall Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

- **Spring Semester**
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition
  - UI100 First Year Seminar, EN100 English Composition

**University Studies Requirements (not already listed above):**

- UI100 First Year Seminar, EN100 English Composition, Artistic Expression, Environmental Biology, Evolution & Ecology, 2016-17

**Checklist:**

- Milestone: maintain 2.0 cumulative GPA

**Degree Map 2016-2017**

**To learn more**

Office of Admissions
(573) 651-2590
admissions@semo.edu
www.semo.edu

**To explore the College**

Science, Technology and Agriculture online, visit
www.semo.edu/costa

**For advising**

Center for Academic Advising - North
(573) 651-5090
www.semo.edu/advising
advisingnorth@semo.edu

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**Notes:**

- *EC101 highly recommended by department*

- A “Milestone” signifies a significant stage for a student in the completion of a degree.

- Degree requirements for all students: a minimum of 120 credit hours, completion of University Studies program, career proficiencies (CL001-004), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the senior level.

- A minimum 2.00 GPA in the major and overall are required to graduate with a BS in Environmental Science.

- Refer to the Undergraduate Bulletin or DegreeWorks for additional graduation requirements (i.e., minimum GPA and coursework) for your program of study.

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**Revised**

2/23/2016