

Bachelor of Science (BS)**Business Option**

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.

Career preparation is part of the mission of Southeast. 100% of programs offer our students an internship, study-abroad program, clinical opportunity, student teaching or research internship. Each student works individually with a faculty advisor in their area. The advisor assists students with curricular planning and development of career goals.

The Office of Career Services in Academic Hall 057 can provide students with professional career counseling and coaching, 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.
- Illinois Environmental Protection Agency
- St. Louis County Department of Health
- U.S. Army Corps of Engineers
- Saint Louis Zoological Park

Special Options with Environmental Science

Southeast offers a Master of Science in Environmental Science.

Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.

To learn more
Office of Admissions
(573) 651-2590
admissions@semo.edu
semo.edu

To explore
the College of Science,
Technology, Engineering and
Mathematics online, visit
semo.edu/stem

For advising
Center for Academic Advising
semo.edu/advising

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This is a guide based on the 2018-2019 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 Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST**Environmental Science: Business Option – 80-84 Hours**

___	BI163	Evolution & Ecology (4)
___	BI332	General Ecology (3)
___	BS105	Environmental Biology (3)
___	CH185/085/005	General Chemistry (5)
___	CH186	Foundations of Inorganic Chemistry (3)
___	EC344	Environmental Economics (3)
___	EN190	Writing & the Environment (3)
___	EV201	Environmental Science Seminar I (1)
___	EV400	Health Physics (3)
___	EV401	Environmental Science Seminar II (1)
___	EV454	Risk Assessment Applications (3)
___	EV481-483	Internship (3)
	OR	
___	EV491-493	Research (3)
___	EV xxx	EV Course (300-500 level) (3)
___	GO110	Physical Geology (3)
___	GO365	Environmental Soil Science (3)
___	GO460	Environmental Hydrology (3)
___	MA139	Applied Calculus (3)
	OR	
___	MA140	Analytical Geometry & Calculus I (5)
___	MA223	Elementary Probability & Statistics (3)
___	PH106	Physical Concepts (3)
	OR	
___	PH120	Introductory Physics I (5)
___	UI429	Environmental Ethics (3)

Choose 6 Hours From:

___	UI331	Foundations of Biochemistry (3)
___	UI360	Recycling & Waste Management (3)
___	UI370	Media Ethics (3)
___	UI373	Earth and Life Through Time (3)
___	UI386	Environmental Health (3)
___	UI387	Environmental Law & Public Policy (3)

Business Option – 21 Hours Required

___	AC221	Principles of Accounting I (3)
___	AC222	Principles of Accounting II (3)
___	AD101	Introduction to Microcomputer Applications (3)
___	EC225	Principles of Macroeconomics (3)
___	FI361	Financial Management (3)
___	MG301	Principles of Management (3)
___	MI375	Management Information Systems (3)
___	MK301	Principles of Marketing (3)

University Studies Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 3 hours
- Constitution requirement – 3 hours
- US History requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	BI163	4
	EN100	3	CH185/085/005	5
	AD101	3	EC215	3
	BS105	3	EN190	3
	University Studies	3		
	Total	15	Total	15
Milestone: maintain 2.0 cumulative GPA				
SECOND YEAR	CH186	3	AC221	3
	EC225	3	BI332	3
	GO110	3	EC344	3
	MA139 or MA140	3-5	EV201	1
	University Studies	3	GO365	3
			University Studies	3
	Total	15-17	Total	16
Milestone: maintain 2.0 cumulative GPA				
<i>(summer courses are encouraged to avoid semesters exceeding 15 hours)</i>				
THIRD YEAR	AC222	3	EV454	3
	MA223	3	FI361	3
	MG301	3	GO460	3
	PH106 or PH120	3-5	MK301	3
	University Studies	3	University Studies	3
	Total	15-17	Total	15
Milestone: maintain 2.0 cumulative GPA				
FOURTH YEAR	EV400	3	EV401	1
	EV Internship/Research	3	EV elective	3
	MI375	3	Required UI3XX	3
	Required UI3XX	3	UI429	3
	University Studies	3	University Studies	3
	Elective	1-2		
Total	16-17	Total	13	
Milestone: maintain 2.0 cumulative GPA				

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, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the senior level. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

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