

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, Engineering and Mathematics. 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.

Becoming Career Ready...

/ Faculty-mentored research and guidance will help you develop the professional skills needed for success in a competitive job market and/or advanced study in graduate and professional programs. Students will utilize critical thinking skills derived from the business of both business and science to enhance their employment opportunities.

/ The Environmental Science: Business option program prepares graduates for multiple opportunities in the growing environmental field. Example job titles include corporate risk manager, Environmental budget manager, Risk reduction manager, sustainability manager and green technology business manager.

/ 100% of Southeast programs offer real-world experience. Environmental Science: Business option students earn this through completing a required internship and/or research participation at corporate businesses or environmental agencies.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides 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

Bachelor of Science (BS)

This is a guide based on the 2019-2020 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)
___	UI373/073	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)
___	EC225	Principles of Macroeconomics (3)
___	FI361	Financial Management (3)
___	MG301	Principles of Management (3)
___	MI101	Introduction to Computer Applications (3)
___	MI375	Management Information Systems (3)
___	MK301	Principles of Marketing (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution 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)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	3	BI163	4
	EN100	3	CH185/085/005	5
	BS105	3	EC215	3
	MI101	3	EN190	3
	General Education	3		
	Total	15		Total
Milestone: maintain 2.0 cumulative GPA				
SECOND YEAR	CH186	3	AC221	3
	EC225	3	BI332	3
	GO110/010	3	EC344	3
	MA139 or MA140	3-5	EV201	1
	General Education	3	GO365	3
			General Education	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
	General Education	3	General Education	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
	General Education	3	General Education	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 the General Education program, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003).

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.

Revised
4/29/2019