

GEOGRAPHIC INFORMATION SCIENCE

Bachelor of Science (BS)

This is a guide based on the 2023-2024 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

45 hours required – No Minor Required

- ___ AG444 Spatial Analysis (3)
- ___ CS101 Introduction to Computer Programming (3)
- ___ CS440 Database (3)
- ___ GG140 Physical Geography (3)
- ___ GG180 Cultural Geography (3)
- ___ GG230 Introduction to Cartography (3)
- ___ GO110/010 Physical Geology (3)
- ___ GT101 Introduction to Geographic Information Science I (3)
- ___ GT102 Introduction to Geographic Information Science II (3)
- ___ GT340/GO340 Remote Sensing (3)
- ___ GT445/GO445 Advanced Geographic Information Science (3)
- ___ GT520/GO520 GIS Application (3)

Choose 3 hours:

- ___ MA155 Statistical Reasoning (3)
- ___ MA223 Elementary Probability & Statistics (3)

Choose 6 hours:

- ___ AG440 Precision Agriculture (3)
- ___ CJ430 Policing in the Information Age (3)
- ___ GG563 Advanced Topics in Geography (3)
- ___ GT425/EV425 GIS Planning for Emergency Response (3)
- ___ GT498 Internship (1-3)

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

This program could lead to licensure or certification. However, Southeast's program either does not meet, or we cannot determine if it meets, the licensure or certification requirement in all states. Please consult our State Authorization page, Licensure tab, to determine information specific to your state: <https://semo.edu/online/student-resources/stateauth.html>.

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	CS101	3
	EN100	3	GG180	3
	GG140	3	GT102	3
	GT101	3	General Education	3
	MA155 or MA223	3	General Education	3
	Total	13	Total	15
	Milestone: maintain 2.0 cumulative GPA			
SECOND YEAR	GG230	3	AG444	3
	GO110/010	3	GO/GT445	3
	GO/GT340	3	General Education	3
	General Education	3	General Education	3
	Elective	3	Elective	3
	Total	15	Total	15
	Milestone: maintain 2.0 cumulative GPA			
THIRD YEAR	CS440	3	Major Elective	3
	GO/GT520	3	General Education	3
	Major Elective	3	Elective	3
	General Education	3	Elective	3
	Elective	3	Elective	3
	Total	15	Total	15
	Milestone: maintain 2.0 cumulative GPA			
FOURTH YEAR	General Education	3	General Education	3
	Elective	3	General Education	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	1	Elective	1
	Total	16	Total	16
	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, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.



Revised
7/6/2023

2023-2024 degree map



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