

Bachelor of Science in Geospatial Sciences
2023-2024 Catalog Year

Name: KSU ID: Institutional GPA: Date:

General Education Requirements

Area A: Essential Skills	Completed/Plan	Area D: Science, Mathematics, and Technology	Completed/Plan
A1: ENGL 1101	_____	D1: Choose one MATH 1113, DATA 1501, STAT 1401, MATH 1160, MATH 1190, MATH 2202,	_____
A1: ENGL 1102	_____	D2: Choose one four-hour laboratory science AND one additional science SCI 1101, GEOG 1112K, GEOG 1113K, ANTH 1105(3 hours), CHEM 1151+L, CHEM 1211+L, PHYS 1111+L, PHYS 2211+L, BIOL 1107+L, SCI 1102 (3 hours), GEOG 1125 (3 hours), CHEM 1152+L, PHYS 2212+L, BIOL 1108+L	_____
A2: Choose one: MATH 1001, MATH 1111, MATH 1113, MATH 1190, STAT 1401, MATH 1101	_____		_____
Area B: Institutional Options		Area E: Social Sciences	
B1: ECON 1000	_____	E1: POLS 1101	_____
B2: Choose one: BLCK 1102, AMST 1102, ASIA 1102, COM 1100, FL 1002, GWST 1102, LALS 1102, LDRS 2300, PAX 1102, PERS 2700, POLS 2401, RELS 1102	_____	E2: Choose one: HIST 2111, HIST 2112	_____
Area C: Humanities/Fine Arts		E3: Choose one: HIST 1100, HIST 1111, HIST 1112	_____
C1: Choose one: ENGL 2110, ENGL 2120, ENGL 2130, ENGL 2140, PHIL 2010	_____	E4: Choose one: ANTH 1102, CRJU 1101, GEOG 1101, PSYC 1101, SOCI 1101, STS 1101, ECON 2106	_____
C2: Choose one: ART 1107, DANC 1107, MUSI 1107, TPS 1107	_____		

Lower Division Major Requirements (18 credit hours)

Must earn a "C" or better in all courses in this area.

Upper Division Major Requirements (24 credit hours)

Must earn a "C" or better in all courses in this area.
At least 21 hours of upper-division courses must be completed at KSU, and at least 39 hours of upper-division work overall are required.

	Completed/Plan		Completed/Plan
GEOG 1110 The Digital Earth <i>Prereq: none</i>	_____	GEOG 3305 Introduction to Cartographic Processes <i>Prereq: none</i>	_____
GEOG 2391 Professionalism and Ethics <i>Prereq: GEOG 1101 or 1102 or 1112 or 1113 or 1125 or 1130</i>	_____	GEOG 3315 Introduction to Geographic Information Systems <i>Prereq: none</i>	_____
Select one of the following (3 credit hours):		GEOG 4405 Advanced Geographic Information Systems <i>Prereq: GEOG 3305 and GEOG 3315</i>	_____
GEOG 1101 Introduction to Human Geography <i>Prereq: none</i>	_____	GEOG 4410 Introduction to Remote Sensing <i>Prereq: SURV 3320</i>	_____
GEOG 1125 Resources, Society, and the Environment <i>Prereq: none</i>	_____	SURV 3320 Photogrammetry and Drone Analysis <i>Prereq: GEOG 3315</i>	_____
GEOG 1130 World Regional Geography <i>Prereq: none</i>	_____	Group A: GIS and Remote Sensing (select two - 6 credit hours)	
Select one of the following (4 credit hours)		GEOG 4500 Advanced Topics in Geospatial Science <i>*Topic: _____</i> <i>Prereq: GEOG 3305 and GEOG 3315</i> <i>*Special Topics course - may be repeated for credit if topics are different</i>	_____
GEOG 1112K Weather and Climate <i>Prereq: none</i>	_____	GIS 3398 Internship <i>Prereq: GEOG 4405 or GEOG 4500 and permission of the GIS program director</i>	_____
GEOG 1113K Introduction to Landforms <i>Prereq: none</i>	_____	GIS 4100 Directed Applied Research <i>Prereq: GEOG 3305 or GEOG 3315 and consent of instructor and chair</i>	_____
Lower Division Electives (6 credit hours) <i>Choose any two 1000 or 2000 level courses from any discipline.</i>		SURV 3451 Terrain Analysis <i>Prereq: SURV 3320</i>	_____
_____	_____	Group B: Major Field Courses (select one - 3 credit hours)	
_____	_____	GEOG 4100 Directed Applied Research <i>Prereq: varies</i>	_____
Notes:		GEOG 4499 Senior Seminar in Geography <i>Prereq: at least 18 credit hours upper-division geography courses and permission of the instructor</i>	_____
		_____ Upper Division Study Abroad <i>Prereq: varies</i>	_____

Concentration Requirements (36 credit hours) – Select One Concentration			
Human Environmental Concentration			
	Completed/Plan		Completed/Plan
GEOG 2200 Research Methods	_____	<u>Human and Society (select one - 3 credit hours)</u>	
OR		ANTH 3307 Cultural Anthropology	_____
TCOM 2010 Technical Writing	_____	GEOG 3000 Geography of Beer	_____
GIS 3398 Internship (6 credit hours)	_____	GEOG 3300 Urban Geography	_____
<u>Physical and Environmental (select one - 3 credit hours)</u>		GEOG 3310 Historical Geography	_____
ANTH 4430 Environmental Anthropology Field Methods	_____	GEOG 3320 Political Geography	_____
ENVS 3720 Sustainability at KSU	_____	GEOG 3330 Economic Geography	_____
ENVS 3730 Natural Resource Management	_____	GEOG 3340 Cultural Geography	_____
GEOG 3700 Intro to Environmental Studies	_____	GEOG 3345 Population Geography	_____
GEOG 3800 Climatology	_____	POLS 4412 Urban Affairs and Problems	_____
GEOG 3850 Global Climate Change	_____	SOCI 4464 Population and Demography	_____
GEOG 3900 Biogeography	_____	<u>Free Electives (15 credit hours)</u>	
GEOG 4700 Geomorphology	_____	These may be any courses not already applied elsewhere. Minor and certificate courses can be applied here. Please take into account any required prerequisites.	
POLS 3356 U.S. Environmental Policy & Politics	_____	_____	_____
POLS 4456 International Environmental Policy	_____	_____	_____
<u>Upper Division Concentration Electives (6 credit hours)</u>		_____	_____
Select two courses that you have not already completed from the Physical and Environmental and/or Human and Society areas.		_____	_____
Courses:		_____	_____
_____	_____		
_____	_____		
Information Systems Concentration			
	Completed/Plan		Completed/Plan
IS 2200 Information Systems and Communication	_____	<u>Concentration Electives (select four - 12 credit hours)</u>	
GIS 3398 Internship (6 credit hours)	_____	IS 3020 Application Development I	_____
<u>Free Electives (15 credit hours)</u>		IS 3100 Information Systems Management	_____
These may be any courses not already applied elsewhere. Minor and certificate courses can be applied here. Please take into account any required prerequisites.		IS 3220 Global IS Project Management	_____
_____	_____	IS 3260 Web Development I	_____
_____	_____	IS 3280 Data Management	_____
_____	_____	IS 3740 Human Computer Interaction	_____
_____	_____	IS 3760 Web Development II	_____
_____	_____	IS 4560 e-Business Systems	_____
		ISA 3100 Principles of Information Security	_____
Land Surveying Concentration			
	Completed/Plan		Completed/Plan
EDG 2160 Civil Graphics and Computer Aided Drafting	_____	<u>Land Surveying Certificate (required part of the concentration)</u>	
SURV 3451 Terrain Analysis	_____	SURV 2221 Surveying I	_____
SURV 4110 Geospatial Sciences Practice	_____	SURV 2221L Surveying I Lab	_____
<u>Free Electives (9 credit hours)</u>		SURV 3222 Surveying II	_____
These may be any courses not already applied elsewhere. Minor and certificate courses can be applied here. Please take into account any required prerequisites.		SURV 3222L Surveying II Lab	_____
_____	_____	SURV 4465 Legal Aspects of Land Surveying	_____
_____	_____	SURV 4470 Land Development Design	_____
_____	_____	SURV 4475 Land Surveying Practice	_____