

## BACHELOR OF SCIENCE IN GEOGRAPHY: GEOGRAPHICAL INFORMATION AND ANALYSIS OPTION

<b>General Requirements</b>	credit hrs	
..... English - ENGL 101 (or exemption)	0-3	
..... ENGL 102 (or 105 or exemption)	0-3	
..... 200-level English course (ENGL 362 recommended)	3	
..... COMS 130 (COMS 230, PHIL 148, PHIL 310, exemption)	0-3	
..... History or philosophy of science	3	
Choose one of the following or approval of Undergraduate committee		
HIST 103, 136, 305, 306, 311, 347, 360, 407		
PHIL 370, 375, 380, 620, 622		
..... Two principal courses in the Humanities	3	
.....	3	
..... Two principal courses in the Social Sciences	3	
.....	3	
<b>Preparation for the major</b>		
..... MATH 121 and MATH 122 (or MATH 115, MATH 116 and MATH 122)	10-11	
..... EECS 138 or GEOG 514 or equivalent	3	
..... PHYS 114 and 115 <u>or</u> BIOL 150 and 152	8	
<b>Geography Requirements</b>		
<b>Overview Geography courses</b>		
..... GEOG 104 (GEOG 107) or GEOG 148 (149)	3	
..... GEOG 111 or GEOG 210	3	
..... GEOG 100 (101) or GEOG 102 (103)	3	
<b>Additional Geography</b>		
..... Two GEOG 300+ courses in Physical Studies, Human Studies	3	
..... and/or Regional Studies	3	
<b>Core Geographic Information Science</b> (Six courses, at least one from each category)	20-24	
..... Cartography and Visualization: GEOG 311, GEOG 513, GEOG 517		
..... Geographical Information Systems: GEOG 358, GEOG 558, GEOG 758		
..... Remote Sensing: GEOG 526, GEOG 726		
..... Statistics: GEOG 316, GEOG 516, GEOG 716		
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<b>Geographic Information Science Electives</b>	6-8	
..... Two other courses from GIS Studies (GEOG 511 and 514 recommended)		
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<b>Allied Field:</b> 3 courses and 9 credit hours minimum in one field (or a minor):	9	
..... Example areas: Area Studies, Atmospheric Science, Biology, Computer Science, Design,		
..... Environmental Studies, Engineering, Geology, Psychology, Urban Planning		
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<b>Electives</b> (17-26 credits, any university courses)	17-26	
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<b>Hour and GPA requirements</b>		
Total Credit hours (≥124) .....	CC Transfer credits (≤64) .....	Overall GPA (≥ 2.0) .....
CLAS hours (≥ 99) .....	Other KU Schools (≤25) .....	Geography GPA (≥2.0) .....
Junior Senior hours (≥45) .....	Hrs Music Org. (≤ 6) .....	
KU Res hours (≥30) .....	Hrs Phys Ed (≤ 4) .....	