

DEGREE MAP

BACHELOR OF SCIENCE IN GEOGRAPHY WITH GEOGRAPHIC INFORMATION SYSTEMS (GIS) MINOR

Purpose Statement: The skills obtained by studying geography make graduates in demand for a wide range of employment opportunities. The geography curriculum will prepare students for business and academics while encouraging lifelong learning skills. Geographic skills are essential to understanding physical patterns, human patterns, and Earth's processes. These skills are essential for anyone critically thinking about the global community. The Department of Natural and Physical Sciences considers internships with appropriate businesses and governmental agencies to be an integral part of student learning and actively encourages students to complete such opportunities.

DEGREE REQUIREMENTS	Credit Hours	Course/ Semester Completed
Liberal Education Requirements	[37]	
EN 105 First-Year Writing Seminar I	3	
EN 106 First-Year Writing Seminar II (<i>Prerequisite: EN 105 or equivalent</i>)	3	
CA 103 Public Speaking, CA 105 Introduction to Human Communication, or TH 105 Oral Communication	3	
CS 140 Introduction to Computers (<i>may also be satisfied by a higher level CS course</i>)	3	
MA 120 Basic Concepts of Statistics, MA 135 College Algebra, or higher level MA course	3	
Science course with a Lab (<i>automatically satisfied by GGP 115</i>)	--	--
LE Natural & Physical Science Elective (<i>automatically satisfied by GO 125</i>)	--	--
LE Social Science Elective (<i>automatically satisfied by GGH 110</i>)	--	--
LE Social Science Elective (<i>automatically satisfied by GGH 200</i>)	--	--
LE Arts & Humanities Elective (<i>e.g., AR 115, CA 104, EN 201, PH 101, RE 109, TH 100 – see catalog for all options</i>)	3	
LE Arts & Humanities Elective (<i>e.g., AR 115, CA 104, EN 201, PH 101, RE 109, TH 100 – see catalog for all options</i>)	3	
LE 300 Seminar in Integrative and Interdisciplinary Learning (<i>any option</i>)	3	
Citizenship Requirement (PO 200, 210, HIS 111, 112, OR 113)	3	
Ethics Requirement (PH 102, PH 221, or PH 308)	3	
Additional University Requirements	[6]	
LE 100 First-Year Seminar (<i>first-time freshman only; waived for transfer students</i>)	3	
EN 306 Professional Writing in the Disciplines (<i>version A, B, or C, or departmental equivalent –e.g., BIO 306</i>)	3	
Geography Major Requirements	[34-40]	
GGH 110 Cultural Geography (<i>satisfies one LE Social Science Elective</i>)	3	
GGP 115 Physical Geography (<i>satisfies LE Science with a Lab requirement</i>)	4	
GO 125 Natural Disasters (<i>satisfies LE Natural & Physical Science Elective</i>)	3	
GGH 200 Geography of North America (<i>satisfies one LE Social Science Elective</i>)	3	
GGP 350 Geographic Information Systems I	3	
Major Elective (<i>any 100-level or higher GGH, GGP, or GO course</i>)	3-4	
Major Elective (<i>any 100-level or higher GGH, GGP, or GO course</i>)	3-4	
Major Elective (<i>any 100-level or higher GGH, GGP, or GO course</i>)	3-4	
Upper Division Major Elective (<i>any 300-level or higher GGH, GGP, or GO course</i>)	3-4	
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Upper Division Major Elective (any 300-level or higher GGH, GGP, or GO course)	3-4	
Satisfactory completion of the Geography Capstone Assessment (must be done during the final semester/term)	n/a	
GIS Minor Requirements	[21]	
All Geography majors must complete a minor (or a second major) that includes at least 15 credit hours beyond those used to fulfill the major requirements. Therefore, if this is your only minor (and you do not have a second major), only one course (3 credit hours) used for the minor may also be used for satisfying the requirements toward the major.		
GGP 270 Spatial Analysis	3	
GGP 330 Cartography	3	
GGP 335 Remote Sensing	3	
GGP 350 Geographic Information Systems I (previously counted in the major core)	--	--
GGP 355 Geographic Information Systems II	3	
GGP 450 Internship in GIS	3	
IS 205 Managing Information Systems	3	
Upper Division Credit Hours Requirement	[36]	
Complete at least 36 credit hours of upper division (300-level or higher) college courses. Use the space below to fill in the specific upper division courses you have completed.		
EN 306 Professional Writing in the Disciplines – previously counted with LE reqs.	--	--
LE 300 Seminar in Integrative and Interdisciplinary Learning – previously counted with LE reqs.	--	--
GGP 350 Geographic Information Systems I – previously counted with major reqs.	--	--
Upper Division Major Elective – previously counted with major reqs.	--	--
Upper Division Major Elective – previously counted with major reqs.	--	--
Upper Division Major Elective – previously counted with major reqs.	--	--
GGP 330 Cartography – previously counted with minor reqs.	--	--
GGP 335 Remote Sensing – previously counted with minor reqs.	--	--
GGP 355 Geographic Information Systems II – previously counted with minor reqs.	--	--
GGP 450 Internship in GIS – previously counted with minor reqs.	--	--
Upper Division Elective (any 300-level or higher course)	3	
Upper Division Elective (any 300-level or higher course)	3	

-- credit hours counted elsewhere on the degree plan

Recommended Schedule

The following is a sample schedule that would result in a student accumulating enough credit hours to earn a B.S. degree in Geography with a minor in GIS. It is designed for a student who plans to take courses face-to-face during the traditional academic schedule, does not bring in any transfer credit, and has not tested into higher level courses. The degree map will need to be adjusted for students who have previous college credit or who “test out” of introductory courses. The order of courses may be adjusted according to the student’s preferences and course availability, but this reflects the “ideal” order of completion using the program’s course rotation plan. Courses with an asterisk (*) are only offered on the Parkville campus once every two years.

First Year – Fall (Odd Year)	First Year – Spring (Even Year)
GGH 110 Cultural Geography LE 100 First-Year Seminar EN 105 First-Year Writing Seminar I CS 140 Introduction to Computers CA 103 Public Speaking (or CA 105 or TH 105) Citizenship Requirement	GGP 115 Physical Geography [4 cr.] EN 106 First-Year Writing Seminar II MA 120 Basic Concepts of Statistics (or MA 135 or higher) LE Arts & Humanities Elective Elective (any 100-level or higher course) Ethics Requirement
Second Year – Fall (Even Year)	Second Year – Spring (Odd Year)
GO 125 Natural Disasters Major Elective (any 100-level or higher GGH, GGP, or GO) GGP 270 Spatial Analysis LE Arts & Humanities Elective Elective (any 100-level or higher course)	GGH 200 Geography of North America Major Elective (any 100-level or higher GGH, GGP, or GO) IS 205 Managing Information Systems EN 306 Professional Writing in the Disciplines (any version or dept. equiv.) Elective (any 100-level or higher course)
Third Year – Fall (Odd Year)	Third Year – Spring (Even Year)
GGP 350 Geographic Information Systems I Major Elective (any 100-level or higher GGH, GGP, or GO) GGP 335 Remote Sensing* LE 300 Seminar in Integrative and Interdisciplinary Learning (any version) Elective (any 100-level or higher course)	Upper Division Major Elective (any 300-level or higher GGH, GGP, or GO) GGP 330 Cartography* GGP 355 Geographic Information Systems II Elective (any 100-level or higher course) Elective (any 100-level or higher course)
Fourth Year – Fall (Even Year)	Fourth Year – Spring (Odd Year)
Upper Division Major Elective (any 300-level or higher GGH, GGP, or GO) GGP 450 Internship in GIS Upper Division Elective (any 300-level or higher course) Elective (any 100-level or higher course)	Upper Division Major Elective (any 300-level or higher GGH, GGP, or GO) Upper Division Elective (any 300-level or higher course) Elective (any 100-level or higher course) Elective (any 100-level or higher course)

This guide is not a substitute for academic advisement.

Elective (any 100-level or higher course)	Elective (any 100-level or higher course) (Completion of the Geography Capstone Assessment)
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