

Name:
Student ID:
Date Admitted Into Major:

BACHELOR OF SCIENCE CARTOGRAPHY AND GIS

GENERAL EDUCATION REQUIREMENTS Competencies ☐ ◆ Reading Comprehension **♣General Education Categories (34-35 credits total)** FYS First Year Seminar 3 Written Communication - Level I ♦W-I 3 Oral Communication 3 **+**OC PGR Personal Growth & Responsibility 3 CEA Creative Expression & Appreciation 3 WC World Cultures 3 HP The Human Past 3 CS Contemporary Society 3 # Any SR course 3-4 Scientific SR Reasoning: # SR Lab course 4 Quantitative Reasoning 3 ΩR # Written Communication (Level II and Level III) W-II Written Communication - Level II W-III Written Communication - Level III

COURSES IN MAJOR (42 credits total) Major Core Courses (15 credits)

115	Global Climate Change	3				
105	Introduction to Geography					
	OR	3				
110	World Regions					
140	Intro to Maps & GIS	3				
301	Intro to Quantitative					
	Geography	3				
302	Geographic Research	3				
Major Concentration Courses (15 credits)						
245	Cartography	3				
340	GIS	3				
343	Air Photo Interpretation	3				
344	Remote Sensing	3				
445	Quantitative Geography	3				
Major Electives (12 credits)						
	Technical Elective	3				
	Technical Elective	3				
	Geography Elective	3				
	Geography Elective	3				
	105 110 140 301 302 Wajor Cc 245 340 343 344 445	105 Introduction to Geography OR 110 World Regions 140 Intro to Maps & GIS 301 Intro to Quantitative Geography 302 Geographic Research Major Concentration Courses (15 credi 245 Cartography 340 GIS 343 Air Photo Interpretation 344 Remote Sensing 445 Quantitative Geography Major Electives (12 credits) Technical Elective Technical Elective Geography Elective	105			

Minor/Free Electives (42 credits minimum)

May be necessary to take additional credits to attain the minimum 120 credits required for graduation depending on choices made for general education or minor selection.

- ▼ Students may choose to use support courses to satisfy general education categories, but may not be required to do so. **Note:** If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.
- Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and general education requirements.
- # These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline.
- ‡ Level II and Level III Written Communications Courses may be used to satisfy requirements anywhere else in a student's program of study where they may apply. The credits are counted only in one area.
- † Techniques Electives: GPH 245, 340, 342, 343, 344, 345, 377, 444, 445, 446, 447.
- †† If not taken in the Geography Core.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS