NORTHERN ARIZONA UNIVERSITY
College of Social & Behavioral Sciences

Bachelor of Science
GEOGRAPHIC INFORMATION SCIENCE EXTENDED
2010-2011 Undergraduate Catalog
Degree Progression Plan

Freshman Year							
1st term				**2nd term**			
MAT 125 or *ENG 105*	Pre-Calculus or (FNRQ) Critical Reading /Writing (FNRQ)	4 4		*MAT 125 or* *ENG 105*	Pre-Calculus or (FNRQ) Critical Reading /Writing (FNRQ)	4 4	
LS	Liberal Studies	3		*LS*	Liberal Studies (SCI:LAB)	4	
LS	Liberal Studies	3		*LS*	Liberal Studies	3	
FS Seminar	Liberal Studies	3		*LS*	Liberal Studies	3	
NAU 102	Transition to College	1		GE	General Elective	1	
GE	General Elective	1					
	Total units	15			Total units	15	

Sophomore Year							
3rd term				**4th term**			
GGR250	Physical Geography	4		GGR240, 241 or GGR 346	World Geography West, East or United States Geography	3	
GGR 230	Map and Image Interpretation	4		GGR 370W	Cultural Geography	3	
LS	LS(SCI:SAS)/STA 270)	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3		GGR 259	Landforms and Regions	3	
GE	General Elective	1		GE	General Elective	3	
	Total units	15			Total units	15-16	

Junior Year							
5th term				**6th term**			
GGR380W	Geographic Thought & Method	3		GGR 461	Weather & Climate	3	
GGR331	Foundations I: Map Design / GIS	4		GGR 423 OR PL 432	Remote Sensing Techniques II GIS for Planners	4 3	
GGR 422	Remote Sensing Techniques I	4		GGR433	Foundation II: Mapping/GIS Apps	3	
GE	General Electives	3		GE	General Elective	3	
GE	General Electives	1		GE	General Elective	3	
	Total units	15			Total units	15-16	

Senior Year							
7th term				**8th term**			
GGR 436	Mastery II: Enterprise GIS	4		GGR480C	Field Analysis	4	
GGR 435	Mastery I: Programming for GIS	4		GGR 437 OR GGR 438	Modeling and Analysis: Raster Modeling and Analysis II: Vector	4	
GE	General Elective	3		GE	General Elective	4	
GE	General Elective	3		GE	General Elective	3	
	Total units	14			Total units	15	

- This degree progression plan is to be used in conjunction with the academic catalog and degree progress report.
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7th term in preparation for graduation.
- Many courses have pre-requisites. Please check the academic catalog for pre-requisite and placement information.
- **Submit graduation application during 7th term.**

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 35 total

PROGRAM INFORMATION

You may use individualized coursework (GGR 408, 485, and 497) toward your Geographic Information Science Degree with prior written approval from your Geography faculty advisor and the department chair of Geography, Planning and Recreation. You must use only individualized coursework with a GGR prefix. Individualized coursework includes the following: GGR 408 (Field Work 1-12 units maximum), GGR 485 (Undergraduate Research 1-6 units maximum), and GGR 497 (Independent Study 1-6 units maximum).

Note that GGR 499 and 399 may be taken for 1-3 units. These courses may be taken for a maximum of 3 units only. Consult your faculty advisor when selecting from these topics courses. Some required courses or options for requirements require pre-requisites. Check with the Catalog or your Geography Advisor. Pre Calculus (MAT125) is the required minimum Math as it is a pre-requisite for many of the Geography requirements.

You must have an overall or cumulative grade point average of 2.5 and you must have a grade of "C" or higher in all courses applied to your major to earn your Geographic Information Science degree.

GENERAL INFORMATION

- This 8-term plan is to be used in conjunction with the academic catalog and degree progress report.
- Honors students complete different requirements to meet NAU's Liberal Studies program. Students should consult an Honors Program advisor for complete information on fulfilling Honors Liberal Studies requirements.
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7th term in preparation for graduation.
- All students are required to complete at least 120 total units which includes:
    - 35 units of liberal studies courses: http://www4.nau.edu/aio/LScourselist.htm
    - 6 units of diversity courses: (3 units in Global & 3 units in Ethnic): http://www4.nau.edu/aio/DiversityCourseList.htm
    - 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU

- English placement: http://testing.nau.edu/exams/placement.html
- Math placement: http://www.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

CONTACT INFORMATION

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