

TEXAS A&M UNIVERSITY
COLLEGE OF GEOSCIENCES
DEPARTMENT OF GEOGRAPHY
BACHELOR OF SCIENCE IN GEOGRAPHY
GIS OPTION

CATALOG: 135 Date: _____ Advisor: _____

STUDENT: _____ UIN No.: _____

DEPARTMENT OF GEOGRAPHY/GIS & CORE CURRICULUM

GEOGRAPHY & GIS CORE				
Dept.	No.	Taken	Course Title	Hrs
GEOG	201	<input type="checkbox"/>	Intro to Human Geography	3
GEOG	202	<input type="checkbox"/>	Geography of the Global Village	3
GEOG	203	<input type="checkbox"/>	Planet Earth: Intro to Earth Systems Science	4
GEOG	304	<input type="checkbox"/>	Economic Geography	3
GEOG	332	<input type="checkbox"/>	Thematic Cartography (Fall only course)	3
GEOG	390	<input type="checkbox"/>	Principles of GIS	3
GEOG	440	<input type="checkbox"/>	History & Nature of Geography (Spring only)	3
GEOG	450	<input type="checkbox"/>	Field Geography (Summer or Fall only)	3
GEOG	475	<input type="checkbox"/>	Advanced Topics in GIS (Spring only)	4
TOTAL HRS				29

GEOGRAPHIC SPECIALIZATION ¹				
Dept.	No.	Taken	Course Title	Hrs
GEOG		<input type="checkbox"/>		3
GEOG		<input type="checkbox"/>		3
GEOG		<input type="checkbox"/>		3
GEOG		<input type="checkbox"/>		3
TOTAL HRS				12

REQUIRED TECHNIQUES ²				
Dept.	No.	Taken	Course Title	Hrs
GEOG	352	<input type="checkbox"/>	GPS in the Geosciences	2
GEOG	398	<input type="checkbox"/>	Interpretation of Aerial Photographs (Fall only)	3
GEOG	361	<input type="checkbox"/>	Remote Sensing (Fall only)	4
TOTAL HRS				9

DIRECTED ELECTIVES ³				
Dept.	No.	Taken	Course Title	Hrs
		<input type="checkbox"/>		3
		<input type="checkbox"/>		3
		<input type="checkbox"/>		3
		<input type="checkbox"/>		3
		<input type="checkbox"/>		3
		<input type="checkbox"/>		2
TOTAL HRS				17

COMPUTER SCIENCE				
Dept.	No.	Taken	Course Title	Hrs
CSCE	111	<input type="checkbox"/>	Intro to C.S. Concepts & Programming	4
TOTAL HRS				4

PRACTICUM ¹⁰				
Dept.	No.	Taken	Course Title	Hrs
GEOG	476	<input type="checkbox"/>	GIS Practicum/Only offered in the Spring	3
TOTAL HRS				3

University Core Curriculum SCIENCE ⁴				
Dept.	No.	Taken	Course Title	Hrs
		<input type="checkbox"/>		4
		<input type="checkbox"/>		4
TOTAL HRS				8

MATHEMATICS AND STATISTICS				
Dept.	No.	Taken	Course Title	Hrs
MATH	141	<input type="checkbox"/>	Business Math I	3
MATH	142	<input type="checkbox"/>	Business Math II	3
STAT	303	<input type="checkbox"/>	Statistical Methods/Social Sciences	3
TOTAL HRS				9

ENGLISH ⁵				
Dept.	No.	Taken	Course Title	Hrs
ENGL	104	<input type="checkbox"/>	Composition & Rhetoric	3
ENGL		<input type="checkbox"/>		3
TOTAL HRS				6

SOCIAL AND BEHAVIORAL SCIENCES ⁶				
Dept.	No.	Taken	Course Title	Hrs
		<input type="checkbox"/>		3
TOTAL HRS				3

VISUAL AND PERFORMING ARTS ⁷				
Dept.	No.	Taken	Course Title	Hrs
		<input type="checkbox"/>		3
TOTAL HRS				3

HUMANITIES ⁸				
Dept.	No.	Taken	Course Title	Hrs
		<input type="checkbox"/>		3
TOTAL HRS				3

CITIZENSHIP				
Dept.	No.	Taken	Course Title	Hrs
HIST ⁹	105	<input type="checkbox"/>	History of the United States I	3
HIST ⁹	106	<input type="checkbox"/>	History of the United States II	3
POLS	206	<input type="checkbox"/>	American National Government	3
POLS	207	<input type="checkbox"/>	State & Local Government	3
TOTAL HRS				12

KINESIOLOGY				
Dept.	No.	Taken	Course Title	Hrs
KINE	198	<input type="checkbox"/>	Health & Fitness Activity	1
KINE	199	<input type="checkbox"/>	Must be taken S/U	1
TOTAL HRS				2

OTHER UNIVERSITY REQUIREMENTS				
Residency Requirement 36 hours of 300/400 level courses.				Completed <input type="checkbox"/>
Number of hours currently 36- _____ = Total Hours Left				_____

Foreign Language Requirement		
Check Only one		
Requirement met in High School	<input type="checkbox"/>	<input type="checkbox"/>
One year in College	<input type="checkbox"/>	
Proficiency by Examination	<input type="checkbox"/>	

International Cultural & Diversity Requirement				
6 hrs to be chosen from approved list.				
DEPT.	NO.	Taken	Hrs	<input type="checkbox"/>
		<input type="checkbox"/>	3	
		<input type="checkbox"/>	3	
TOTAL HOURS				

Writing Intensive Course Requirement				
Must be a 900 level course, 3 hrs. Course must be in student's major.				
DEPT.	NO.	Taken	Hrs	<input type="checkbox"/>
GEOG	476	<input type="checkbox"/>	3	
		<input type="checkbox"/>	3	
TOTAL HRS				6

Total Hours in Degree 120/Revised 05/22/12 by GR

Department of Geography Degree Requirements

1. GEOGRAPHIC SPECIALIZATION: 12 hours

Four courses, of which at least one must be at the 400 level.

These courses while not specified should lead to substantive knowledge in at least one portion of the discipline.

Courses in Geographic techniques and Regional Geography **do not** meet this requirement. Only courses in the list below meet this requirement.

GEOG 306/Intro to Urban Geog	GEOG 311/Cultural Geog
GEOG 312/Geographical Analysis	GEOG 442/Past Climates
GEOG 330/Resources & the Environment	GEOG 331/Geomorphology
GEOG 335/Pattern & Process in Biogeography	GEOG 355/Concepts in Geographic Education
GEOG 360/Natural Hazards	GEOG 370/Coastal Process
GEOG 380/Workshop in Environmental Studies	GEOG 400/Arid Lands Geomorphology
GEOG 401/Political Geography	GEOG 402/Interpretation of Cultural Landscapes
GEOG 406/Geographic Perspectives on Contemporary Urban Issues	GEOG 484/Internship
GEOG 434/Hydrology & Environment	GEOG 435/Principles of Plant Geography
GEOG 485 Directed Studies	GEOG 489/Special Topics
GEOG 420/Geography of Terrorism	GEOG 309/Geography of Energy
GEOG 324/Global Climatic Regions	GEOG 403/Historical Geography
GEOG 404/Spatial Thinking, Perception & Behavior	GEOG 430/Environmental Justice
GEOG 491/Research	GEOG 467/Dynamic Modeling of Earth & Environmental Systems

2. REQUIRED TECHNIQUES: 9 hours

Students are required to take the following geographic techniques courses that cover three areas:

GEOG 352/GPS in the Geosciences

GEOG 398/Interpretation of Aerial Photographs

GEOG 361/Remote Sensing

3. DIRECTED ELECTIVES: 17 hours

These courses are Directed Electives and must be chosen in consultation with your Faculty Advisor.

4. SCIENCE: 8 hours required

- Take BIOL 111, 112
- Take CHEM 101,102
- Take PHYS 201,202
- Take BIOL 101, 107

5. ENGLISH: 6 hours required

- 3 hours required take ENGL 104
- 3 hours required. Select from ENGL 203, 235, 236, 241 or 301.

6. SOCIAL AND BEHAVIORAL SCIENCES: 3 hours required

Select from the University Core Curriculum List.

However, courses in Geography do not meet this requirement.

7. VISUAL AND PERFORMING ARTS: 3 hours required

Select from the University Core Curriculum List.

8. HUMANITIES: 3 hours required

Select from the University Core Curriculum List.

However, courses in Geography do not meet this requirement.

9. HISTORY: 6 hours required

The American History requirement may be satisfied by:

- HIST 105 and 106, or
- HIST 105 and one of the following: HIST 226, 372, 373, 455, 457, 460, 463, or
- HIST 106 and one of the following HIST 226, 367, 368, 369, 416, 450, 457, 459, 462

10. GEOG 476 - GIS PRACTICUM: 3 hours required

The practicum is designed to provide students with a capstone guided professional development experience. The practicum will include classroom activities and completion of an individual project through a partnership with a business, a government or non-governmental agency or through participation in academic research. If there are not enough students to conduct this class you may be required to take GEOG 485 to meet this requirement. Please consult your Faculty Advisor.