

TEXAS A&M UNIVERSITY
COLLEGE OF GEOSCIENCES
DEPARTMENT OF GEOGRAPHY
SPATIAL SCIENCES (B.S.)
CATALOG: 132

Date: _____ Advisor: _____

STUDENT: _____ UIN No.: _____

DEPT	NO.	Taken		HRS	GRADE
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ENVIRONMENTAL CORE (14)					
AGEC	350	<input type="checkbox"/>	Env. & NR Econ.	3	
AGRO	301	<input type="checkbox"/>	Soil Science	4	
AGSM	337	<input type="checkbox"/>	Tech. for Env. & Nat. Res. Engin.	3	
BESC	403	<input type="checkbox"/>	Sampling & Env. Monitoring	3	
RENR	470	<input type="checkbox"/>	Env. Impact Assessment	3	
TOTAL HRS				16	

SPATIAL SCIENCES COURSES (15)					
CPSC	110	<input type="checkbox"/>	Programming I	4	
GEOG	398	<input type="checkbox"/>	Int. of Aer. Photos	3	
FRSC	484	<input type="checkbox"/>	Internship	3	
GEOL	352	<input type="checkbox"/>	GPS in Geoscien.	2	
RENR	444	<input type="checkbox"/>	Remote Sensing in RNR	3	
TOTAL HOURS				15	

NATURAL RESOURCES ELECTIVES (4)					
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
TOTAL HOURS				9	

POLICY REGULATION ELECTIVES (5)					
TOTAL HOURS				3	

SPATIAL SCIENCES ELECTIVES (7)					
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
TOTAL HRS				9	

FREE ELECTIVES (12)					
		<input type="checkbox"/>			
		<input type="checkbox"/>			
TOTAL HOURS				7	

GIS ELECTIVE (6)					
		<input type="checkbox"/>			
TOTAL HOURS				3	

PHYSICAL GEOGRAPHY					
GEOG	203	<input type="checkbox"/>	Planet Earth	4	
TOTAL HOURS				4	

SCIENCE (16)					
CHEM	101/111	<input type="checkbox"/>	Fund. of Chem. I & Lab	4	
CHEM	102/112	<input type="checkbox"/>	Fund. of Chem. II & Lab	4	
RENR	205	<input type="checkbox"/>	Fund. of Ecology	3	
RENR	215	<input type="checkbox"/>	Lab	1	
BIOL	111	<input type="checkbox"/>	Or BOTN 101	4	
TOTAL HRS				16	

DEPT	NO.	Taken		HRS	GRADE
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MATHEMATICS & STATISTICS (8)					
MATH	141	<input type="checkbox"/>	Business Math I	3	
MATH	142	<input type="checkbox"/>	Business Math II	3	
STAT	211 or 302	<input type="checkbox"/>		3	
TOTAL HRS				9	

COMMUNICATIONS (10)					
ENGL	104	<input type="checkbox"/>	COMP & RHET	3	
ENGL		<input type="checkbox"/>		3	
TOTAL HRS				6	

SOCIAL & BEHAVIORAL SCIENCES (3)					
		<input type="checkbox"/>		3	
TOTAL HRS				3	

VISUAL & PERFORMING ARTS (1)					
		<input type="checkbox"/>		3	
TOTAL HRS				3	

HUMANITIES (2)					
GEOG		<input type="checkbox"/>		3	
TOTAL HRS				3	

CITIZENSHIP (11)					
HIST		<input type="checkbox"/>		3	
HIST		<input type="checkbox"/>		3	
POLS	206	<input type="checkbox"/>		3	
POLS	207	<input type="checkbox"/>		3	
TOTAL HRS				12	

KINESIOLOGY (13)					
KINE	198	<input type="checkbox"/>		1	
KINE	199	<input type="checkbox"/>	Must be Taken as S/U	1	
TOTAL HRS				2	

OTHER UNIVERSITY REQUIREMENTS						
Residency Requirement 36 hours of 300/400 level courses.						
Number of hours currently 36- _____ = Total Hours Left _____						
Foreign Language Requirement						
Check Only one						
Requirement met in High School					<input type="checkbox"/>	
One year in College						
Proficiency by Examination						
International Cultural & Diversity Requirement						
6 hrs to be chosen from approved list.						
DEPT.	NO.	TAKED		HRS		
		<input type="checkbox"/>		3		
		<input type="checkbox"/>		3		
TOTAL HOURS				6		
Writing Intensive Course Requirement						
Must be a 900 level course (3 hrs.) and must be students major.						
DEPT.	NO.	TAKED		HRS		
		<input type="checkbox"/>		3		
		<input type="checkbox"/>		3		
TOTAL HRS				6		

Total hours 120

Revised 10/27/08 by GR

UNIVERSITY AND DEPARTMENT OF GEOGRAPHY REQUIREMENTS

1. **VISUAL AND PERFORMING ARTS (3 hours required)** The University Core Curriculum includes a requirement for 3 hours of **Visual & Performing Arts**. See catalog for list of acceptable courses.

2. **HUMANITIES (3 hours) To be selected in consultation with advisor. University requirement.**

GEOG 202	Geography of Global Village	GEOG 301	Geography of the U.S.
GEOG 305	Geography of Texas	GEOG 323	Geography of Latin America

3. **SOCIAL & BEHAVIORAL SCIENCES (3 hours) To be selected in consultation with advisor. University requirement.**

AGEC 105	Intro to Agricultural Economics	ECON 202	Principles of Economics
GEOG 201	Human Geography	GEOG 304	Economic Geography
GEOG 440	History & Nature of Geography		

4. **NATURAL RESOURCES ELECTIVES (9 hours) To be selected in consultation with advisor. University requirement.**

AGRO 310	Soil Morphology & Interpretations	FRSC 304	Forest Ecology
RENR 375	Conservation of Natural Resources	RENR 410	Ecosystem Management
RLEM 301	Range and Forest Watershed Management	WFSC 428	Wetland Ecosystem Management

5. **POLICY REGULATIONS ELECTIVES (3 hours) To be selected in consultation with advisor. Degree requirement.**

FRSC 406	Forest Policy	GEOG 330	Resources and the Environment
MGMT 209	Business, Government and Society	PLAN 365	Introduction to Planning
PHIL 314	Environmental Ethics	WFSC 303	Fish and Wildlife Laws and Administration

6. **GIS ELECTIVE (3 hours) To be selected in consultation with advisor. Degree requirement.**

FRSC 461	GIS for Resources Management	GEOG 390	Principles of Geographic Information Systems
LAND 461	GIS Application in Resource Management	RENR 405	GIS of Environmental Problem Solving

7. **SPATIAL SCIENCES ELECTIVES (9 hours) To be selected in consultation with advisor. Degree requirement.**

AGSM 410	Spatial Technology for Precision Agriculture	CPSC 206	Structured Programming	CPSC 310	Database Systems
RPTS 307	Methods in Environmental Interpretation	ENDS 375	Foundations of Visualization	ENDS 370	Virtual Architecture
FRSC 462	Adv. GIS Analysis for Natural Res. Management	GEOG 475	Advance Topics in GIS	GEOG 361	Remote Sensing
PLAN 365	Intro to Planning	STAT 212	Principles of Stat II	CVEN 201	Plane Surveying

8. **MATHEMATICS & STATISTICS: (9 hours required) University requirement**

MATH 141	Business Math I	OR	MATH 172	Calculus
MATH 142	Business Math II	OR	MATH 171	Analytic Geometry & Calculus
STAT 211	Principles of Statistics I	OR	STAT 302	Statistical Methods (Biological Sciences & Agriculture)

10. **COMMUNICATIONS (6 hours required) University requirement.**

ENGL 104	Composition and Rhetoric (This is a University required course.)			
ENGL 210	Scientific & Technical Writing	OR	ENGL 301	Technical Writing
COMM 203	Public Speaking	OR	AGJR 404	Communicating Agricultural Information to the Public

11. **CITIZENSHIP: History (6 hours) & Political Science (6 hours) University requirement.**

The American History Requirement may be satisfied by:

- HIST 105 and 106, or
- HIST 105 and one of the following:
HIST 226, HIST 372, HIST 373, HIST 451, HIST 455, HIST 457, HIST 460, HIST 463 or
- HIST 105 and one of the following: HIST 225, HIST 367, HIST 368, HIST 369, HIST 416, HIST 450, HIST 457, HIST 459, HIST 462.
- OR as stated below.

The Political Science requirement may be satisfied by:

- POLS 206
- POLS 207
- See advisor for other courses that can be used to meet this requirement.

12. **FREE ELECTIVES: To be selected in consultation with academic advisor or faculty advisor from: (7 hours)**

13. **KINESIOLOGY (2 hours) University requirement**

14. **ENVIRONMENTAL CORE (16 hours) Degree requirement**

15. **SPATIAL SCIENCES COURSES (15 hours) Degree requirement**

16. **SCIENCE (16 hours) Degree requirement**