

TEXAS A&M UNIVERSITY  
COLLEGE OF GEOSCIENCES  
DEPARTMENT OF GEOGRAPHY  
SPATIAL SCIENCES (B.S.)  
CATALOG: **135**

Date: \_\_\_\_\_ Advisor: \_\_\_\_\_

STUDENT: \_\_\_\_\_ UIN No.: \_\_\_\_\_

DEPT	NO.	Taken		HRS	GRADE
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ENVIRONMENTAL CORE					
AGEC	350	<input type="checkbox"/>	Env. & NR Econ.	3	
SCSC	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					
CSCE	110	<input type="checkbox"/>	Programming I	4	
GEOG	398	<input type="checkbox"/>	Int. of Aer. Photos	3	
GEOG	484	<input type="checkbox"/>	Internship	3	
GEOG	352	<input type="checkbox"/>	GPS in Geoscien.	2	
RENR	444	<input type="checkbox"/>	Remote Sensing in RNR	3	
TOTAL HOURS				15	

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

POLICY REGULATION ELECTIVES					
		<input type="checkbox"/>			
TOTAL HOURS				3	

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

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

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

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

SCIENCE					
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					
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					
ENGL	104	<input type="checkbox"/>	COMP & RHET	3	
ENGL		<input type="checkbox"/>		3	
TOTAL HRS				6	

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

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

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

CITIZENSHIP					
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					
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 05/23/11 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.**

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

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

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

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

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

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

<b>FRSC 406</b>	Forest Policy	<b>GEOG 330</b>	Resources and the Environment
<b>MGMT 209</b>	Business, Government and Society	<b>URSC 301</b>	Urban & Regional Planning
<b>PHIL 314</b>	Environmental Ethics	<b>WFSC 303</b>	Fish and Wildlife Laws and Administration

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

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

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

<b>AGSM 410</b>	Spatial Technology for Precision Agriculture	<b>CSCE 206</b>	Structured Programming	<b>CSCE 310</b>	Database Systems
<b>RPTS 307</b>	Methods in Environmental Interpretation	<b>ENDS 375</b>	Foundations of Visualization	<b>ENDS 370</b>	Virtual Architecture
<b>FRSC 462</b>	Adv. GIS Analysis for Natural Res. Management	<b>GEOG 475</b>	Advance Topics in GIS	<b>GEOG 361</b>	Remote Sensing
<b>URSC 301</b>	Urban & Regional Planning	<b>STAT 212</b>	Principles of Stat II	<b>CVEN 201</b>	Plane Surveying

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

<b>MATH 141</b>	Business Math I	<b>AND</b>	<b>MATH 142</b>	Business Math II
<b>STAT 211</b>	Principles of Statistics I	<b>OR</b>	<b>STAT 302</b>	Statistical Methods (Biological Sciences & Agriculture)

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

<b>ENGL 104</b>	Composition and Rhetoric (This is a University required course.)			
<b>ENGL 301</b>	Technical Writing	<b>OR</b>	<b>COMM 203</b>	Public Speaking
<b>AGJR 404</b>	Communicating Agricultural Info. to the Public			

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

**The American History Requirement may be satisfied by:**

- 6 hours. HIST 105 and 106, or
- Up to 6 hours with the US History attribute [UHIST]
- Up to 3 hours with the Texas History attribute [TXHS].

**The Political Science requirement may be satisfied by:**

- POLS 206
- POLS 207

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**

17. **PHYSICAL GEOGRAPHY (4 hours) GEOG 203**