COLLEGE OF GEOSCIENCES
TEXAS A&M UNIVERSITY

BACHELOR OF SCIENCE IN ENVIRONMENTAL GEOSCIENCES
CATALOG 129

STUDENT: _____ **HOME DEPARTMENT:** **Environmental Programs**

CRS	#	SEM	SUB/TRAN	HRS

MATHEMATICS AND STATISTICS				
MATH	151			4
MATH	152			4
STAT	303			3
TOTAL HRS				11

CHEMISTRY				
CHEM	101			4
CHEM	102			4
TOTAL HRS				8

ATMOSPHERIC SCIENCES				
ATMO	201			3
ATMO	202			1
TOTAL HRS				4

OCEANOGRAPHY				
OCNG	251			3
OCNG	252			1
TOTAL HRS				4

GEOGRAPHY/GEOLOGY				
GEOG/ GEOL	203/101			4
GEOG	201/330			3
GEOL	420			3
TOTAL HRS				10

GEOSCIENCES				
GEOS	105			3
GEOS	405			3
TOTAL HRS				6

ENVIRONMENTAL POLICY ELECTIVES[5]				
				3
				3
				3
				3
TOTAL HRS				12

ENVIRONMENTAL THEME ELECTIVES[6]				
				3
				3
				3
				3
				3
				3
TOTAL HRS				18

CRS	#	SEM	SUB/TRAN	HRS

TECHNICAL ELECTIVES[7]				
				3
				3
				3
				3
				3
				3
TOTAL HRS				18

SCIENCE[2]				
				4
				4
TOTAL HRS				8

COMMUNICATIONS[8]				
ENGL	104			3
				3
TOTAL	HRS			6

CITIZENSHIP				
HIST	105[1]			3
HIST	106[1]			3
POLS	206			3
POLS	207			3
TOTAL HRS				12

KINESIOLOGY				
KINE	198			1
KINE	199 S/U			1
TOTAL HRS				2

SOCIAL AND BEHAVIORAL SCIENCES[3]				
				3
TOTAL HRS				3

VISUAL AND PERFORMING ARTS[4]				
				3
TOTAL HRS				3

HUMANITIES[9]				
				3
TOTAL HRS				3

TOTAL HOURS FOR DEGREE **128**

Other requirements to be satisfied (see Core Curriculum and Degree Information sections of catalog 129)

Residency requirement
36 hours of 300- and/or 400-level course work successfully completed in residence at TAMU _____

Foreign language requirement
two units of the same foreign language in high school or one year in college or demonstrate proficiency by examination _____

International and cultural diversity requirement
6 hrs., chosen from a list of approved courses, many of which also satisfy other core curriculum requirements _____

Writing intensive course requirement
at least one course in the major _____

NOTES

1. U.S. history electives to be selected from the University Core Curriculum.

2. Select either PHYS 201 and 202 or BIOL 111 and BOTN 101. PHYS 201 and 202 are the appropriate science electives for the climate change theme.

3. Social and behavioral sciences elective to be selected from the University Core Curriculum.

4. Visual and performing arts elective to be selected from the University Core Curriculum.

5. To be selected in consultation with faculty academic advisor from AGEC 350; ECON 203, 323, 412, 435; GEOG 406; PLAN 365, 414; POLS 329, 331, 340, 342, 347, 440, 456; RENR 420; SOCI 312, 328.

6. Select from list in consultation with faculty academic advisor (see below). Environmental themes include: coastal studies, water in the environment (air, land and ocean), human interaction with the land, and climate change. 18 hours of course work are taken in one of the thematic areas.

7. Select in consultation with faculty academic advisor.

8. Communication elective to be selected from the University Core Curriculum.

9. Humanities elective to be selected from the University Core Curriculum.

ENVIRONMENTAL THEMES AND ELECTIVES

Coastal Studies

ATMO 463	Air Pollution Meteorology
GEOG 331	Geomorphology
GEOG 370	Coastal Processes
GEOL 321	Urban Geology
GEOL 440	Engineering Geology
OCNG 410	Introduction to Physical Oceanography
OCNG 451	Mathematical Modeling of Ocean Climate

Water in the Environment

ATMO 463	Air Pollution Meteorology
ATMO 475	Radar and Mesoscale Meteorology
GEOG 324	Global Climatic Regions
GEOG 400	Arid Lands Geomorphology
GEOG 434	Hydrology and Environment
GEOL 410	Hydrogeology
GEOL 451	Introduction to Geochemistry
GEOP 413	Near-Surface Geophysics
OCNG 410	Introduction to Physical Oceanography
OCNG 420	Introduction to Biological Oceanography

Human Interaction with the Land

ATMO 463	Air Pollution Meteorology
GEOG 301	Geography of the United States
GEOG 305	Geography of Texas
GEOG 311	Cultural Geography
GEOG 320	The Middle East
GEOG 321	Geography of Africa
GEOG 323	Geography of Latin America
GEOG 325	Geography of Europe
GEOG 326	Geography of East Asia
GEOG 330	Resources and Environment*
GEOG 331	Geomorphology
GEOG 360	Natural Hazards
GEOG 400	Arid Lands Geomorphology
GEOL 320	Geology for Civil Engineers
GEOL 321	Urban Geology
GEOL 440	Engineering Geology

Climate Change

ATMO 324	Physical and Regional Climatology
ATMO 463	Air Pollution Meteorology
GEOG 324	Global Climatic Regions
GEOS 410	Global Change
GEOS 411	Vegetation Response to Climate Change
OCNG 410	Introduction to Physical Oceanography
OCNG 451	Mathematical Modeling of Ocean Climate

*** Select GEOG 201 in Earth System Science Core if choosing GEOG 330 as an environmental theme course.**