COLLEGE OF GEOSCIENCES
TEXAS A&M UNIVERSITY

BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES

CATALOG 135

STUDENT: _____ **HOME: Environmental Programs, College of Geosciences**

COURSE	#	SEM	SUBJECT	HRS
CORE ENVIRONMENTAL SCIENCE				
			Introductory Course A[1]	4
			Introductory Course B[1]	4
GEOS	105		Intro Environmental Geosciences	3
GEOG or GEOS	205 or 210		Environmental Change Or Climate Change	4
GEOG	201		Intro to Human Geography	3
GEOG	330		Resources and Environment	3
GEOG	335		Pattern and Process in Biogeography	3
GEOG	380[2]		Environmental Workshop[2]	3
GEOS	405 (W)		Environmental Geosciences	3
			Seminar[3]	1
TOTAL HRS				31
GEOSCIENCES ELECTIVES[4]				
				3
				3
TOTAL HRS				6
TECHNICAL ELECTIVES[5]				
GEOG	390		Geographic Information Systems	3
				3
TOTAL HRS				6
ENVIRONMENTAL POLICY[6]				
AGEC	350		Environmental and Natural Resource Economics	3
GEOG	304		Economic Geography	3
GEOS	430		Global Science and Policy Making	3
GEOS	444		Science and Politics of Climate Change	3
PHIL	314		Environmental Ethics	3
RENR	470		Environmental Impact Assessment	3
				3
				3
				3
TOTAL HRS				27
COMMUNICATIONS[7]				
ENGL	104		Composition and Rhetoric	3
				3
TOTAL HRS				6
SCIENCE AND MATH				
			Science[8]	4
MATH	141		Business Math I	3
MATH	142		Business Math II	3
STAT	303		Statistical Methods	3
TOTAL HRS				13
HUMANITIES[9]				
				3
TOTAL HRS				3
VISUAL AND PERFORMING ARTS[10]				
				3
TOTAL HRS				3

COURSE	#	SEM	SUBJECT	HRS
SOCIAL AND BEHAVIORAL SCIENCES				
ECON	202		Principles of Economics	3
TOTAL HRS				3
CITIZENSHIP				
HIST[11]				3
HIST[11]				3
POLS	206		American National Government	3
POLS	207		State and Local Government	3
TOTAL HRS				12
KINESIOLOGY				
KINE	198		Health and Fitness Activity	1
KINE	199 S/U		Required Physical Activity	1
TOTAL HRS				2
FREE ELECTIVES				
TOTAL HRS				8

TOTAL HOURS FOR DEGREE **120**

Other requirements to be satisfied (see Core Curriculum and Degree Information sections of Catalog 135)

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 (W) course requirement
at least **two** courses in the College of Geosciences; must be 900 section _____

NOTES

See website, Academic Advisor, or Faculty Mentor for questions or help selecting elective choices below.
Please refer to your undergraduate catalog for prerequisites to electives below.

1. Choose one introductory College of Geosciences course in the first semester and an additional one in the second semester of the freshman year. Choose from ATMO 201 Atmospheric Science (3-0) and ATMO 202 Atmospheric Science Lab (0-2), GEOG 203 Planet Earth (3-2), GEOL 101 Principles of Geology (3-2), or OCNG 251 Oceanography (3-0) and OCNG 252 Oceanography Lab (0-2).

2. The topic covered in GEOG 380 changes depending on the semester. It can be repeated up to three times for credit to use elsewhere in degree.

3. Freshmen entering the program take a First Year Seminar (UGST 181). The choice is not restricted. Students transferring into the program, who have not taken UGST 181, are required to take GEOS 481 Geosciences Seminar in their junior or senior year.

4. Select Geosciences elective from ATMO, GEOG, GEOL, GEOP, GEOS, OCNG courses. These will normally be 300- or 400-level science-based courses. Approval from Academic Advisor is required to ensure course will satisfy requirements.

5. Remaining 3 hours of technical electives normally to be selected from the list below, or courses offered in other colleges (see website for definition of a technical electives). Always check for prerequisites!

Table 2. Technical Electives		
ATMO 321	Computer Applications in the Atmospheric Sciences	3
ATMO 464	Lab Methods in Atmospheric Science	3
GEOG 312	Data Analysis Methods in Geography	3
GEOG 361	Remote Sensing	4
GEOG 450	Field Geography	3
GEOG 467	Dynamic Modeling of Earth and Environmental Systems	4
GEOG 475	Advanced Topics in GIS	4
GEOL 309	Intro Geologic Field Methods	3
GEOL/GEOG 352	GPS in the Geosciences	2
GEOS 470	Data Analysis Methods in Geosciences	3

6. Remaining 9 hours of environmental policy electives to be selected from the following list. Always check for prerequisites!

ENVIRONMENTAL POLICY ELECTIVES		
BESC 367	U.S. Environmental Regulations	3
ECON 203	Principles of Econ: Macroeconomics	3
ECON 323	Microeconomic Theory	3
ECON 435	Economic Resource Scarcity	3
GEOG 306	Introduction to Urban Geography	3
GEOG 309	Geography of Energy	3
GEOG 401	Political Geography	3
GEOG 406	Geog Perspectives on Urban Issues	3
GEOG 430	Environmental Justice	3
GEOS 401	Polar Regions of the Earth	3
GEOS 484	Internship	1-6
POLS 347	Politics of Energy	3
RENR 420	Natural Resource Law	3
SOCI 328	Environmental Sociology	3
URPN 301	Intro to Planning	3
URPN 360	Issues in Environmental Quality	3
URPN 371	Environmental and Health Planning Policy	3
URPN 460	Sustainable Communities	3

7. Other Communications elective to be selected from the University Core Curriculum.

8. Choose from BIOL 101 Botany, BIOL 111 Introductory Biology I, or CHEM 101/111 Fundamentals of Chemistry and Lab.

9. Humanities elective to be selected from the University Core Curriculum. It is recommended to take a course also on the International and Cultural Diversity list for this requirement.

10. Visual and Performing Arts elective to be selected from the University Core Curriculum. It is recommended to take a course also on the International and Cultural Diversity list for this requirement.

11. Select from HIST 359 (American Environmental History), 360 (History of the American Petroleum Industry), 363 (History of Science in America), or 364 (History of Technology and Engineering in America, 1607-Present). Transfers and Change of Major students who have already completed other history core curriculum courses will be able to substitute.

***Students are encouraged to receive credit for internships, directed studies, and research to use towards their degree as 484, 485, or 491 course codes. See your Academic Advisor for more details.**