

COLLEGE OF GEOSCIENCES
TEXAS A&M UNIVERSITY
BACHELOR OF SCIENCE IN ENVIRONMENTAL STUDIES
CATALOG 133

STUDENT: _____

HOME: Environmental Programs, College of Geosciences

COURSE	#	SEM	SUBJECT	HRS
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ENVIRONMENTAL CORE COURSES				
GEOS	105		Intro Environmental Geosciences	3
GEOS	405		Environmental Geosciences	3
			Seminar ¹	1
TOTAL HRS				7

ENVIRONMENTAL SCIENCE AND MATH				
			Introductory Course A ²	4
			Introductory Course B ²	4
GEOS	210		Climate Change	4
GEOG	335		Pattern and Process in Biogeography	3
GEOG	380		Environmental Workshop ³	2-6
			Science ⁴	4
MATH	141		Business Math I	3
MATH	142		Business Math II	3
STAT	303		Statistical Methods	3
TOTAL HRS				30

ENVIRONMENTAL POLICY ⁵				
AGEC	350		Environmental and Natural Resource Economics	3
GEOG	201		Intro to Human Geography	3
GEOG	304		Economic Geography	3
GEOG	330		Resources and Environment	3
GEOS	430		Global Science and Policy Making	3
GEOS	444		Science and Politics of Climate Change	3
PHIL	314		Environmental Ethics	3
RENH	470		Environmental Impact Assessment	3
				3
				3
				3
TOTAL HRS				33

GEOSCIENCE ELECTIVES ⁶				
				3
				3
TOTAL HRS				6

TECHNICAL ELECTIVES ⁷				
GEOG	390		Geographic Information Systems	3
				3
TOTAL HRS				6

KINESIOLOGY				
KINE	198		Health and Fitness Activity	1
KINE	199 S/U		Required Physical Activity	1
TOTAL HRS				2

COMMUNICATIONS ⁸				
ENGL	104		Composition and Rhetoric	3
				3
TOTAL HRS				6

COURSE	#	SEM	SUBJECT	HRS
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CITIZENSHIP				
HIST ⁹				3
HIST ⁹				3
POLS	206		American National Government	3
POLS	207		State and Local Government	3
TOTAL HRS				12

SOCIAL AND BEHAVIORAL SCIENCES				
ECON	202		Principles of Economics	3
TOTAL HRS				3

VISUAL AND PERFORMING ARTS ¹⁰				
				3
TOTAL HRS				3

HUMANITIES ¹¹				
				3
TOTAL HRS				3

FREE ELECTIVES				
				3
				3
				3
TOTAL HRS				9

TOTAL HOURS FOR DEGREE **120**

Other requirements to be satisfied (see Core Curriculum and Degree Information sections of Catalog 133)

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 **two** courses in the major; must be 900 section

NOTES

See website, Academic Advisor, or Faculty Advisor for questions or help selecting elective choices below.

Please refer to your undergraduate catalog for prerequisites to electives below.

1. 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.
2. 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).
3. GEOG 380 is a variable credit hour course (2-6 hours) and can be repeated for up to 6 hours of credit.
4. Choose from BIOL 101 Botany, BIOL 111 Introductory Biology I, or CHEM 101/111 Fundamentals of Chemistry and Lab.
5. Remaining 9 hours of environmental policy electives to be selected from:

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
URSC 301	Intro to Planning	3
URSC 360	Issues in Environmental Quality	3
URSC 371	Environmental and Health Planning Policy	3
URSC 460	Sustainable Communities	3

Always check for prerequisites!

6. Select Geosciences elective ATMO, GEOG, GEOL, GEOP, GEOS, OCNG courses. These will normally be 300- or 400-level courses.
7. 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):

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

Always check for prerequisites!

8. Other Communications elective to be selected from the University Core Curriculum.
9. 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).
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. 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.