

# B.A. Environmental Studies

Name: \_\_\_\_\_

Up to date as of: \_\_\_\_\_

SSN: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Total Credits  
to Date: \_\_\_\_\_

**Foundation Courses [9]**

- \_\_\_ GEGO 120 Environmental Science and Conservation [3]
- \_\_\_ GEOG 220 Lab & Field Techniques Environmental Science [4]
- \_\_\_ ...One additional laboratory or field work course from approved list [2-3]

**List of courses to fulfill Foundation Elective:**  
 BIOL 100L Bology Laboratory [2]  
 GEOG 306 Field Ecology [3]  
 GEOG 405 App Landscap Eco [4]  
 GEOG 406 Aquatic Ecology [3]  
 GEOG 485 Field Research [3]

**Social Science and Humanities [6]**

- Two courses from the following:
- \_\_\_ ECON 101 Principles of Microeconomics [3]
  - \_\_\_ POLI 100 American Government and Politics [3]
  - \_\_\_ ANTH 211 Cultural Anthropology [3]
  - \_\_\_ PHIL 150 Contemporary Moral Issues [3]  
or PHIL 152 Introduction to Moral Theory [3]
  - \_\_\_ HCST 100 Human Context of Science and Technology [3]

**Math and Natural Sciences [18]**

- \_\_\_ MATH 150 Precalculus [4]
- \_\_\_ CHEM 101 Principles of Chemistry I [4]  
or BIOL 100 Concepts of Biology [4]
- \_\_\_ GEOG 110 Physical Geography [3]
- \_\_\_ ... One additional course from approved list of upper division physical geography or environmental science [3-4]

**List of courses to fulfill Math and Natural Sciences Elective:**  
 GEOG 302 Selected Topics\*  
 GEOG 305 Landscape Ecology  
 GEOG 306 Field Ecology [3]  
 GEOG 310 Geomorphology  
 GEOG 311 Weather & Climate  
 GEOG 312 Biogeochem Cycles  
 GEOG 313 Biogeography  
 GEOG 314 Geography of Soils  
 GEOG 317 Water Quality  
 GEOG 318 Nat Env of Chesapeake  
 GEOG 319 Ecosystems of N Am  
 GEOG 400 Selected Topics\*  
 GEOG 405 App Landscap Eco [4]  
 GEOG 406 Aquatic Ecology [3]  
 STAT 414 Env Statistics

\*Selected Topics courses must have advisor approval.

- ...and one course from the following:
- \_\_\_ STAT 121 Introduction to Statistics for the Social Sciences [4]
  - \_\_\_ STAT 350 Statistics with Applications in the Biological Sciences [4]
  - \_\_\_ STAT 351 Applied Statistics for Business and Economics [4]
  - \_\_\_ STAT 355 Introduction to Probability and Statistics for Scientists and Engineers [4]
  - \_\_\_ GEOG 301 Quantitative Techniques [3]

**Writing Requirements [3]**

- One course from the following:
- \_\_\_ ENGL 383 Science Writing
  - \_\_\_ ENGL 391 Advanced Exposition
  - \_\_\_ ENGL 393 Technical Writing

**Environmental Studies Distribution [9]**

Three courses from the list at right, each from a different discipline.

**List of courses to fulfill Environmental Studies distribution:**  
 AMST 372 American Food  
 AMST 388 American Environments  
 ECON 437 Econ of Nat Resources  
 ECON 439 Environmental Econ  
 ENGL 419 Green Writing  
 GEOG 326 Am Conserv Thought  
 GEOG 302 Env Sci & Reg Policy  
 GEOG 332 Nat Resources Problems  
 GEOG 333 Water Resources  
 GEOG 400 Environmental Justice  
 HIST 366 Darwinism: Perspective  
 HIST 446 History of Science f. 1700  
 PHIL 454 / POLI 411 Env Ethics  
 POLI 327 Interest Groups & Lobby

**Suggested Areas of Concentration [4 courses, 12 credits]**

(See attached course lists, with advisor approval)

- *Regulatory Policy*
- *Business and the Environment*
- *Natural Resource Management and Conservation*
- *Environmental Mapping and Spatial Analysis*
- *Risk Analysis and Policy*
- *Environmental Thought and History*

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## B.A. Degree in Environmental Studies – Suggested Areas of Concentrations

Note: Courses taken to satisfy Section III cannot also be used to satisfy Section IV requirements.

Note: Additional courses may be added as developed by present faculty or newly hired faculty. With the approval of their advisor, students may design an individual program of study in which courses from different tracks are combined together to form a different concentration. These lists will be modified as new courses are added or existing courses changed. Also, students will be allowed to substitute other courses in place of those listed here, in consultation with their advisors.

### Regulatory Policy

ECON 437	Economics of Natural Resources
ECON 439	Environmental Economics
ECON 405	Cost Benefit Analysis
GEOG 302	Environmental Science and Regulatory Policy
GEOG 332	Natural Resource Problems and Policies
GEOG 432	Seminar in Natural Resources and Environmental Conservation
PHIL454/POLI 411	Environmental Ethics and Policy
POLI 327	Interest Groups and Lobbyists
POLI 450	Administrative Problem-Handling: Safe Drinking Water [rotating seminar topic]
POLI 469	Comparative Environmental Politics and Policies
GEOG 326	American Conservation Thought
GEOG 338	Regional Planning
GEOG 4xx	Planning II: Comprehensive Planning and Growth Management
GEOG 4xx	Environmental Justice
GEOG 386	Geographic Information Systems
STAT 414	Environmental Statistics

### Business and the Environment

ECON 311	Microeconomics
ECON 374	Fundamentals of Financial Management
ECON 439	Environmental Economics
ECON 411	Industrial Organization
ECON 405	Cost Benefit Analysis
PHIL 454/POLI 411	Environmental Ethics and Policy
GEOG 302	Environmental Science and Regulatory Policy
GEOG 326	American Conservation Thought
GEOG 330	Location of Economic Activity
GEOG 386	Geographic Information Systems
GEOG 435	Global Patterns of Production and Trade
GEOG 338	Regional Planning
GEOG 400	Planning II: Comprehensive Planning and Growth Management
GEOG 400	Environmental Justice

### International Environmental Issues

POLI 469	Comparative Environmental Politics and Policies
POLI 489	International Environmental Politics and Policies
ECON 439	Environmental Economics
ECON 385	Economic Development
ECON 481	International Trade Theory or ECON 482 International Finance
GEOG 327	Cultural Ecology

### Natural Resource Management and Conservation

AMST 372	American Food
AMST 388	American Environments: Landscape and Culture
GEOG 302	Environmental Science and Regulatory Policy
GEOG 313	Biogeography
GEOG 318	The Natural Environment of the Chesapeake Bay
GEOG 326	Conservation Thought
GEOG 332	Natural Resources Problems and Policies
GEOG 333	Water Resources (frequency uncertain)
GEOG 386	Geographic Information Systems
GEOG 432	Seminar in Natural Resources and Environmental Conservation
GEOG 433	Sustainability, Land Use and Natural Resources (frequency uncertain)
GEOG 381	Remote Sensing
ECON 437	Economics of Natural Resources
ECON 439	Environmental Economics
POLI 409/GEOG 400	Selected Topics: Political Dynamics of Water Resource Mgmt. (Frequency uncertain)
POLI 450	Administrative Problem-Handling: Safe Drinking Water [rotating seminar topic]
POLI 481	International Environmental Politics and Policy
SOCY 397A	Selected Topics: Health Issues Surrounding Pflisteria and the Chesapeake Bay (frequency uncertain)

**Environmental Mapping and Spatial Analysis**

ECON 421	Introduction to Econometrics
GEOG 280	Map Use and Cartographic Principles
GEOG 381	Remote Sensing
GEOG 383	Statistical and Thematic Cartography
GEOG 386	Geographic Information Systems
GEOG 481	Advanced Remote Sensing
GEOG 486	Advanced Applications of GIS
STAT 414	Environmental Statistics
STAT 454	Applied Statistics

**Risk Analysis and Policy**

ECON 405	Cost-Benefit Analysis
ECON 421	Introduction to Econometrics
ECON 439	Environmental Economics
CHEM 490	Special Topics in Chemistry: Toxicology (frequency uncertain)
GEOG 302	Environmental Science and Regulatory Policy
GEOG 383	Statistical and Thematic Cartography
GEOG 386	Introduction to Geographic Information Systems
SOCY 397A	Selected Topics: Health Issues Surrounding Pfisteria and the Chesapeake Bay
STAT 350	Statistics with Application in Biological Sciences
STAT 414	Environmental Statistics
STAT 454	Applied Statistics