# Bachelor of Science Environmental Studies Curriculum (ENVS)

## Common to all Emphases and Degrees:

### Math Requirement:
- MATH 125g** Calculus I or MATH 118gx Fundamental Principles of the Calculus
  
Choose one:
- BISC 305 Introduction to Statistics for Biologists
  - HP 304Lg Health Behavior Statistical Methods
  - MATH 114xg Foundation of Statistics
  - PSYC 274Lg Statistics

### Natural Science Core Experiences:
- BISC 103Lgx General Biology for Environment and Life
  - CHEM 103Lgx General Chemistry for the Environment and Life
  - GEOL 160Lg Introduction to Geosystems

### Environmental Studies Core Experiences:
- ENST 100g Introduction to Environmental Studies
  - ENST 320ab Water and Soil Sustainability; Energy and Air Sustainability
  - ENST 387 Economics for Natural Resources and the Environment

### Social Science Core Experiences:
- ENST/IR 323 Politics of Global Environment
  - POSC 270 Introduction to Environmental Law and Politics

## Oceans and People

Further Add Six of the following, 3 must have ENST prefix (24 units minimum):
- BISC 315L Introduction to Ecology
- BISC 431 Aquatic Microbiology or BISC 457L Methods in Marine Biology and Biological Oceanography
- BISC 469L Marine Biology or BISC 473 Biological Oceanography
- ENST 310 Sustainable Fisheries Management
- ENST 370 Marine and Coastal Environmental Policy
- ENST/GEOL 412 Oceans, Climate and the Environment
- ENST/GEOL 470L Environmental Hydrogeology
- ENST 483 Tropical Coastal Zone Sustainability
- ENST 490 Directed Research or ENST 492 Directed Environmental Policy and Science Internship
- GEOL 450L Geosystems
- PPD 427L Geographic Information Systems and Planning or SSCI 301L Maps and Spatial Reasoning

## Climate and Environment

Further Add (8 units):
- MATH 126g Calculus II
- PHYS 151Lg Fundamentals of Physics I: Mechanics and Thermodynamics

Add Four of the following, 2 must have ENST prefix (16 units minimum):
- ENST 335 Science, Health and the Environment
- ENST 344 Environmental Ethics
- ENST 442 Global Climate Change: Policy and Society
- ENST 445 Earth Climate: Past, Present, and Future
- ENST/MOR 466 Business and Environmental Sustainability
- ENST 490 Directed Research or ENST 492 Directed Environmental Policy and Science Internship
- GEOL 425L Data Analysis in the Earth and Environmental Sciences
- PPD 427L Geographic Information Systems and Planning or SSCI 301L Maps and Spatial Reasoning

## Sustainability and Society

Further Add Six of the following, 3 must have ENST prefix (24 units minimum):
- ANTH 302 Human and Ancient Environments
- ARCH 447 Ecological Factors in Design (3 units)
- ENST 310 Sustainable Fisheries Management
- ENST 344 Environmental Ethics
- ENST 432 Environment and Governance: International and National Policymaking
- ENST 445 Earth Climate: Past, Present, and Future
- ENST/MOR 466 Business and Environmental Sustainability
- ENST 490 Directed Research or ENST 492 Directed Environmental Policy and Science Internship
- GEOL 425L Data Analysis in the Earth and Environmental Sciences
- MDES 401 Environment and Politics in the Middle East
- MDES 407 Environmental Sustainability and Public Participation
- PPD 361 Sustainable Communities, Policy and Planning
- PPD 427L Geographic Information Systems and Planning or SSCI 301L Maps and Spatial Reasoning

## Environmental Policy

Further Add Six of the following, 3 must have ENST prefix (24 units minimum):
- ECON 203 Microeconomics or ECON 205 Macroeconomics
- ENST 344 Environmental Ethics
- ENST 370 Marine and Coastal Environmental Policy
- ENST 432 Environment and Governance: International and National Policymaking
- ENST/POS 436 Environmental Politics
- ENST 442 Global Climate Change: Policy and Society
- ENST 490 Directed Research or ENST 492 Directed Environmental Policy and Science Internship
- HP 446 Poisons, People, Politics
- MATH 208 Elementary Probability and Statistics or PHIL 258 Probability and Rational Choice
- MDES 401 Environment and Politics in the Middle East
- MDES 418 Environmental Sustainability and Public Participation
- PPD 315 Analytic Foundations for Public Policy
- PPD 410 Comparative Urban Development
- PPD 420 Environmental Impact Assessment
- PPD 427L Geographic Information Systems and Planning Applications or SSCI 301L Maps and Spatial Reasoning

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* MATH 125g has a prerequisite of either math placement or MATH 108g.
** MATH 118gx is not available as an alternative to MATH 125g for the BS ENVS with a concentration in Climate, Earth and Environment since this concentration requires MATH 125g and MATH 126g.