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ENVS Major Requirements*

(Tracking Sheet on Page 5)

Introduction-Science/Policy/ValuesENVS 1000-4 *Introduction to Environmental Studies*Introductory and Intermediate SciencesBiology SequenceEBIO 1030/EBIO 1040 and EBIO 1050-7 *Biology: A Human Approach and lab* or
EBIO 1210 /EBIO 1220 and 1230/1240-8 *General Biology and labs*Chemistry or Physics CourseCHEM 1011-3 *Environmental Chemistry* or
CHEM 1113/1114-5 *General Chemistry 1 and lab* or
PHYS 2010-5 *General Physics with lab* or
PHYS 1110 *General Physics*Earth Science SequenceGEOG 1001/GEOG 1011-8 *Environmental Systems with labs* or
GEOL 1010 / GEOL 1060 (or /GEOL 1020 or /GEOL 1040) and GEOL 1030-7
Introduction to Geology/ Global Change-An Earth Science Perspective (or
Introduction to Earth History or/Geology of Colorado) and lab or
ATOC 1050/ATOC 1060 and ATOC 1070-7 *Weather and the Atmosphere/ Our
Changing Environment: El Nino, Ozone, and Climate and lab*Intermediate Natural ScienceEBIO 2040-4 *Principles of Ecology with lab* or
CVEN/ENVS 3434-3 *Applied Ecology* or
ATOC 3600/ENVS 3600/GEOG 3601-3 *Principles of Climate* or
GEOG 3511-4 *Hydrology with lab*Intermediate Social ScienceSOCY 2077-3 *Environment and Society* or
SOCY 4007-3 *Global Human Ecology* or
ENVS/SOCY 4027-3 *Inequality, Democracy, and the Environment*Introductory and Intermediate ValuesECON 2010-4 *Principles of Microeconomics*ECON 3535-3 *Natural Resource Economics* or
ECON 3545-3 *Environmental Economics*ENVS/PHIL 3140-3 *Environmental Ethics* or
GEOG 3422-3 *Conservation Thought* or
PSCI 3064-3 *Environmental Political Theory*Intermediate PolicyPSCI 2106-3 *Introduction to Public Policy Analysis* or
PSCI 3206-3 *The Environment and Public Policy*

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Skills

Statistics or Calculus 1

Statistics:

- EBIO 4410-4 *Biometry* or
- ECON 3818-3 *Introduction to Statistics with Computer Applications* or
- GEOG/GEOL 3023-4 *Statistics for Earth Sciences* or
- MATH 2510-3 *Introduction to Statistics* or
- MATH 2520-3 *Introduction to Biometry* or
- PSCI 2075-3 *Quantitative Research Methods* or
- PSCI 3105 *Designing Social Inquiry: An Introduction to Analyzing Political Phenomena*
- PSYC 3101-4 *Statistics and Research Methods in Psychology* or
- SOCY 2061-3 *Introduction to Social Statistics* or

Calculus 1:

- MATH 1300-5 *Analytic Geometry and Calculus 1* or
- MATH 1310-5 *Calculus, Stochastics and Modeling*
- APPM 1350-4 *Calculus 1 for Engineers*

Advanced Writing

- EBIO 3940-3 *Argument in Scientific Writing* or
 - ENVS 3020-3 *Advanced Writing in ENVS* or
 - ~~WRTG 3020-3 *Topics in Writing: Environmental Writing*~~
- No WRTG 3020 courses satisfy this requirement*

Application (3 credits minimum)

- EBIO 4090-2 *Coral Reef Ecology* or
- EBIO 4100-3 *Mountain Research Station field course* or
- EBIO/ENVS/MUSM 4795-3 *Museum Field Methods/Zoology and Botany* or
- ENVS 2100-3 *Colorado Ecosystem Studies* or
- ENVS 3001-3 *Sustainable Solutions Consulting* or
- ENVS/CVEN 3434-3 *Applied Ecology* or
- ENVS/GEOL 3520-3 *Mining 4 Corners* or
- ENVS 3930-3 *Internship* or
- ENVS 3930-3 *Teach for Sustainability* or
- EVEN 4100-3 *Environmental Sampling and Analysis* or
- GEOL 2700-2 and GEOL 4715-2 or GEOL 4716-2 *Field Geology*

Advanced and Intermediate Science/Policy/Values

Specialization (chose one and complete 15 credits within it):

- Climate and Energy
- Natural Resources and the Environment
- Sustainable Development

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Capstone Course

Choose one:

ATOC 4800	Policy Implications of Climate Controversies
ENVS 3800	The Art of Research
ENVS 4800	Biofuels
	Cultural Politics of Climate Change
	Environmental Property and Protest
	Rethinking Hurricane Katrina
ENVS 4990	Senior Thesis
EBIO 4800	Discovering Climate Change
	Ecosystem Management
	Land Use Sustainability
	Microbial Ecology
	Novel Ecosystems
	Soil Ecology
GEOG 4742	Environment and Peoples
GEOG 4430	Seminar: Conservation Trends
JOUR 4871	Environment, Media and Culture

Total Credits 64-75**Specialization Courses******Climate and Energy:**

ATOC 3300/GEOG 3301	<i>Analysis of Climate & Weather Observations</i>
ATOC 3500	<i>Air Chemistry & Pollution</i>
ATOC 4500	<i>Special Topics: Weather Analysis & Forecasting</i>
ATOC 4215	<i>Descriptive Physical Oceanography</i>
ATOC 4720	<i>Introduction to Atmospheric Physics & Dynamics</i>
ATOC 4750	<i>Desert Meteorology & Climate.</i>
ENVS/PHYS 3070	<i>Energy & the Environment</i>
ENVS /GEOL 3520	<i>Environmental Issues in Geosciences</i>
ENVS 3621	<i>Energy Policy & Society</i>
ENVS 4100	<i>Topics in Environmental Policy: Energy Policy</i>
ENVS 4800	<i>Policy & Climate</i>
ENVS/GEOG 4201	<i>Biometeorology</i>
GEOG 4271	<i>The Arctic Climate System</i>
GEOL 3040	<i>Global Change: The Recent Geological Record</i>
GEOL 4060	<i>Oceanography</i>

Natural Resources & the Environment:

EBIO 3270	<i>Ecosystem Ecology</i>
CVEN 4404	<i>Water Chemistry</i>
CVEN 4414	<i>Water Chemistry Laboratory</i>
EBIO/ENVS 3040	<i>Conservation Biology</i>
EBIO 3190	<i>Tropical Marine Ecology</i>
EBIO 4020	<i>Stream Biology</i>
EBIO 4030	<i>Limnology</i>
EBIO 4060	<i>Landscape Ecology</i>
EBIO/ENVS/GEOL 4160	<i>Introduction to Biogeochemistry</i>
EBIO 4460	<i>Fish Ecology</i>
ENVD 4023	<i>Environmental Impact Assessment*</i>
ENVS/PHYS 3070	<i>Energy & the Environment</i>
ENVS 4120	<i>Food & the Environment</i>

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GEOG 3053	<i>Cartography: Visualization & Information Design</i>
GEOG 3251	<i>Mountain Geography</i>
GEOG 3351	<i>Biogeography</i>
GEOG 4120	<i>Glaciers & Permafrost</i>
GEOG 4321	<i>Snow Hydrology</i>
GEOG 4501	<i>Water Resources & Water Management of Western US</i>
GEOG/GEOL 4093	<i>Remote Sensing of the Environment</i>
GEOG/GEOL 4241	<i>Principles of Geomorphology</i>
GEOG 4371	<i>Forest Geography: Principles & Dynamics</i>
GEOL 3030	<i>Introduction to Hydrogeology</i>
GEOL 3320	<i>Introduction to Geochemistry</i>
GEOL 4060	<i>Oceanography</i>

Sustainable Development:

ECON 3403	<i>International Economics & Policy</i>
ECON 3784	<i>Economic Development & Policy</i>
ENVS 4100	<i>Agriculture & the Environment</i>
ENVS 4800	<i>Sustainable Development</i>
GEOG 3402	<i>Natural Hazards</i>
GEOG 3682	<i>Geography of International Development</i>
GEOG 3812	<i>Mexico, Central America, & the Caribbean</i>
GEOG 3822	<i>Geography of China</i>
GEOG 3862	<i>Geography of Africa</i>
GEOG 4632	<i>Development Geography</i>
GEOG 4712	<i>Political Geography</i>
GEOG 4732	<i>Population Geography</i>
GEOG 4852	<i>Health and Medical Geography</i>
HIST 4417	<i>Environmental History of North America</i>
PHIL 2140	<i>Environmental Justice</i>
PSCI 3206	<i>The Environment & Public Policy</i>
PSCI 4012	<i>Global Development</i>
SOCY 3002	<i>Population & Society</i>

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Tracking Sheet for ENVS Major Summer 2010 and Beyond

Term	Hours	Grade		Notes
			Introduction: ENVS 1000 (4)	
			Biology Sequence: EBIO 1030/1040/1050 – Human Approach (7) or EBIO 1210/1220 and 1230/1240-General Bio (8)	
			EBIO _____	
			EBIO _____	
			EBIO _____	
			EBIO _____	
			Chemistry or Physics: CHEM 1011 (3) or CHEM 1113/1114 or PHYS 2010 (5) or PHYS 1110	
			Earth Science Sequence: GEOG 1001/1011 – Environmental Systems (8) or GEOL 1010 and 1020, 1040, or 1060 and 1030 (7) or ATOC 1050/1060/1070 – Weather & Atmosphere (7)	
			GEOG/GEOL/ATOC _____	
			GEOG/GEOL/ATOC _____	
			GEOG/GEOL/ATOC _____	
			Intermediate Natural Science: EBIO 2040 (4) or CVEN/ENVS 3434 (3) or GEOG 3511 (4) or ATOC 3600/ENVS 3600/GEOG 3601 (3)	
			Intermediate Social Science: SOCY 2077 (3) or SOCY 4007 (3) or SOCY 4027/ENVS 4027 (3)	
			Introductory and Intermediate Values	
			ECON 2010 (4)	
			ECON 3535 or ECON 3545 (3)	
			PHIL 3140 or GEOG 3422 or PSCI 3064 (3)	
			PSCI 2106 or PSCI 3206 (3)	
			Skills	
			Statistics or Calculus --Statistics: EBIO 4410 (4) or ECON 3818 (3) or GEOG 3023 (4) or MATH 2510 (3) or MATH 2520 (3) or PSYC 3101 (4) or SOCY 2061 or PSCI 2075 (3) OR Calculus: MATH 1300 (5) or MATH 1310 (5) or APPM 1350 (4)	
			Advanced Writing: EBIO 3940 or ENVS 3020 or WRITG 3020 (Topics in Writing: Environmental Writing) (3)	
			Application: (3 min) EBIO 4090 or EBIO 4100 or EBIO/ENVS/MUSM 4795 or ENVS 2100 or ENVS 3001 or ENVS/CVEN 3434 or ENVS/GEOL 3520 or ENVS 3930 or EVEN 4100 or GEOL 2700 and GEOL 471____ (enter course number)	
			Advanced and Intermediate Science/Policy/Values <i>Specialization (circle one):</i> Climate and Energy OR Natural Resources and the Environment OR Sustainable Development	
			1.	
			2.	
			3.	
			4.	
			5.	
			Capstone: ATOC 4800 or ENVS 3800 or ENVS 4800 (title in notes) or ENVS 4990 or EBIO 4800 (title in notes) or GEOG 4742 or GEOG 4430	
