Environmental Studies Major Requirements

All courses for the major must be taken for a grade (C- or better). Up to 16 upper division credits (usually four courses) may be applied to a 2nd major. You must meet with a student adviser during the first term of your last year.

Check pre-requisites for all upper division courses.

AREA 1. Lower Division Environmental Studies Core Requirements

ENVS 201 (Soc Sci) _____ ENVS 202 (Nat Sci) _____ ENVS 203 (Humanities) _____

AREA 2. Lower Division Math and Science Requirements

Math (2 courses):
______ MATH 100 or above (Math 111 recommended)
______ Statistics (MATH 243, 425, SOC 312, GEOL 418 or GEOG 495)

Natural Sciences (4 courses): One sequence of three courses from approved list below, plus an additional course from a different sequence. At least two departments must be represented.

Sequence: ________, ________, ________, additional Nat Sci class ________

• Life Sciences: BI 211-213 or CHEM 111/113/114, BI 211, BI 213
• Chemistry: CHEM 221-223, or equivalent
• Earth Sciences: GEOL 101-103 or GEOL 201-203
• Physical Sciences: CHEM 111/113, PHYS 161-162 or PHYS 201-203, or equivalent

Additional approved non-sequence lower-division science courses:
• ANTH 170, BI 130, BI 131 (but not in conjunction with the Life Science sequence)
• CH 113
• CH 114
• GEOG 141
• GEOG 181
• GEOL 213

AREA 3A. Upper-Division Natural Science (2 courses)

ANTH 330 Hunters and Gatherers
ANTH 341 Food Origins
ANTH 361 Human Evolution
ANTH 362 Human Biological Variation
ANTH 375 Primates in Ecological Communities
ANTH 446 Practical Archaeobotany
ANTH 460 Nutritional Anthropology
ANTH 463 Primate Behavior
ANTH 466 Primate Feeding and Nutrition
ANTH 472 Primate Conservation Biology
BI 306 Pollination Biology
BI 307 Forest Biology
BI 309 Diseases of Africa
BI 330/331 Microbiology and Lab
BI 357 Marine Biology
BI 359 Plant Biology
BI 370 Principles of Ecology
BI 374 Conservation Biology
BI 375 Biological Diversity
BI 380 Evolution
BI 390 Animal Behavior [OIMB]
BI 412 Marine Field Studies [OIMB]
BI 432 Mycology
BI 442 Systematic Botany
BI 448 Field Botany
BI 451 Invertebrate Zoology [OIMB]

BI 452 Insect Biology
BI 454 Estuarine Biology [OIMB]
BI 455 Marine Birds and Mammals [OIMB]
BI 457 Marine Biology [OIMB]
BI 458 Biological Oceanography [OIMB]
BI 459 Field Ornithology
BI 468 Amphibians & Reptiles of Oregon
BI 469 Ecological Restoration
BI 471 Population Ecology
BI 472 Community Ecology
BI 473 Quantitative Ecology
BI 474 Marine Ecology [OIMB]
BI 476 Terrestrial Ecosystem Ecology
BI 478/479 Neotropical Ecology in Ecuador
CHEM 331 Organic Chemistry I
CHEM 335 Organic Chemistry II
CHEM 336 Organic Chemistry III
ENVS 350 Ecology of Energy Generation
ENVS 465 Wetland Ecology & Management
ENVS 477 Soil Science
GEOG 321 Climatology
GEOG 322 Geomorphology
GEOG 323 Biogeography
GEOG 360 Watershed Science & Policy
GEOG 361 Global Environmental Change
GEOG 421 Advanced Climatology
GEOG 423 Advanced Biogeography
GEOG 425 Hydrology and Water Resources
GEOG 427 Fluvial Geomorphology
GEOG 430 Long-Term Environmental Change
GEOG 432 Climatological Aspects of Global Change
GEOG 433 Fire and Natural Disturbance
GEOG 461 Environmental Alteration
GEOG 481 GIScience I
GEOG 482 GIScience II
GEOG 485 Remote Sensing I
GEOG 486 Remote Sensing II
GEOG 491 Advanced GIS
GEOG 304, 305, 306, 307 OR 308 (no more than one course of GEOL 30X)
GEOG 310 Earth Resources & Environment
GEOG 311 Earth Materials (5 credits)
GEOG 316 Introduction to Hydrogeology
GEOG 331 Mineralogy (5 credits)
GEOG 332 Introduction to Petrology (5 credits)
GEOG 334 Sedimentology and Stratigraphy
GEOG 350 Structural Geology (3 credits)
GEOG 353 Geological Hazards
GEOG 425 Geology of Ore Deposits
GEOG 431 Paleontology I: Paleozoic Marine Fossils
GEOG 433 Paleobotany
GEOG 435 Paleopedology
GEOG 441 Hillslope Geomorphology
GEOG 451 Hydrogeology
GEOG 452 Neotectonics and Quaternary Geology
GEOG 462 Environmental Geomorphology
GEOG 468 Intro Seismology
GEOG 472 Aqueous Geochemistry
GEOG 473 Isotope Geochemistry
LA 465 Landscape Ecology

Other approved course listed on tip sheet

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AREA 3B. Upper-Division Social Science, Policy, Humanities and Sustainable Design and Practice Courses (10 courses)

All ENVS majors must complete 1 core course from each of the following 4 categories. Then select 2 categories and complete an additional 3 courses (core or elective) in each.

*Course is repeatable if titles are different

An Honors Thesis can substitute for one elective course.

Social Science

Core Courses:
- ENVS 435 Environmental Justice
- ENVS 450 Political Ecology
- ENVS 455 Sustainability
- GEOG 341 Population & Environment [SSC][IC]
- SOC 416 Issues in Sociology of the Environment (contact instructor for approval)*

Elective Courses:
- ANTH 320 Native North Americans [SSC][IP]
- ANTH 431 Plants and People
- GEOG 342 Geography of Globalization
- GEOG 442 Urban Geography
- GEOG 465 Environment and Development (IC)
- GEOG 466 Gender and Environment
- GEOG 471 North American Historical Landscapes
- INTL 420 International Community Development
- INTL 421 Gender and International Development (IP)
- INTL 432 Indigenous Cultural Survival
- SOC 303 World Population and Social Structure [SSC][IC] (contact instructor for approval)
- SOC 304 Community, Environment, Society [SSC]
- SOC 442 Urbanization and the City (contact instructor for approval)
- SOC 450 Soc of Developing Areas (IC) (contact instructor for approval)
- WGS 331 Science, Technology & Gender (IP)
- Other approved course listed on tip sheet

Policy

Core Courses:
- ENVS 335 Allocating Scarc Resource Environ Resources
- PPPM 331 Environmental Management
- PPPM 443 Natural Resource Policy
- PPPM 444 Environmental Policy
- PS 477 International Environmental Politics

Elective Courses:
- EC 330 Urban and Regional Economic Problems (IP) [SSC]
- EC 333 Resource & Environmental Economic Issues [SSC]
- EC 433 Resource and Environmental Economics
- EC 434 Environmental Economics
- GEOG 463 Geography, Law, and the Environment
- GEOG 467 International Water Policy
- PPPM 327 Global Leadership and Change
- PPPM 340 Climate Change Policy
- PPPM 418 Introduction to Public Law
- PPPM 438 Bicycle Transportation
- PPPM 441 Growth Management
- PPPM 446 Socioeconomic Development Planning
- PPPM 480 Nonprofit Management I
- Other approved course listed on tip sheet

Humanities

Core Courses:
- ENG 469 Literature and the Environment*
- ENVS 345 Environmental Ethics [A&L]
- ENVS 440 Environmental Aesthetics
- HIST 473 American Environmental History
- PHIL 340 Environmental Philosophy [A&L]

Elective Courses:
- ENG 325 Literature of the Northwest
- HIST/HUM/PHYS 361 Modern Science & Culture
- J 463 Specialized Reporting: Environmental Writing
- LA 333 Photo and Environmental Values [A&L]
- LA 421 Photography and Environmental Perception
- PHIL 309 Global Justice
- PHIL 339 Intro Philosophy of Science
- PHIL 345 Place in the Cosmos
- Other approved course listed on tip sheet

Sustainable Design and Practice

Core Courses:
- ARCH 430 Architectural Contexts: Place & Culture
- ARCH 431 Community Design
- ARCH 435 Principles of Urban Design
- ENVS 467 Sustainable Agriculture
- LA 440 Introduction to Landscape Planning Analysis
- LA 441 Principles of Applied Ecology
- PPPM 442 Sustainable Urban Development
- PPPM 445 Green Cities

Elective Courses:
- ARCH 436/437 Theory of Urban Design
- ARCH 439 Minimal Dwelling
- ARCH 491/492 Environmental Control Systems
- ARH 477 or 478 History of Landscape Architecture
- LA 413 Analyzing Land Systems
- LA 337 Landscape Field Work*
- LA 390 Urban Farm (this course may be taken only once for the major)
- LA 484 Landscape Perception
- Other approved course listed on tip sheet

AREA 4. Environmental Issues (1 course)

- ENVS 411, 425, 427, or other approved course listed on tip sheet

AREA 5. Practical Learning Experience (4 credits)

All ENVS majors must complete 4 upper division credits of practical learning (eg, ENVS 401, 404, 429 or other approved course) which can be satisfied in any of the following ways:

- Environmental Leadership Program (ENVS 429 – application required)
- Internship (ENVS 404 – approval by Internship Coordinator required)
- IE3 international internship (OINT 488)
- One pre-approved environmental course taken while studying abroad
- One term of study at a field station such as OIMB
- PEOL 451, 453, or 455
- Honors Thesis (ENVS 403 – w/ advisor approval)
- Other experiential learning opportunity as approved by faculty advisor

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