Environmental Studies Major - Suggested Four Year Plan (with suggested additions for natural science oriented students)

### FIRST YEAR/Autumn
- **EVST 101N** Environmental Science (3)
- **CHMY 121N** Intro to General Chemistry (3)
- **CHMY 122** Intro to General Chemistry Lab (2)
- **NAS 100H** Intro to Native American Studies (3)  
  (or see list for other NAS options)
- **Gen Education:** WRIT 101 (A to L) (3)
  &/or other GEDs* (3)
  **Total: 17**

### SECOND YEAR/Autumn
- **BIOB 101N** Discover Biology or EVST 201 (3)
- **FOR 210** Soils (3)
- **BIOO 335** Rky Mtn Flora (3)
- **EVST 225** Community & Environment (3)
- **STAT 216** Intro to Statistics or FOR 201 Forest Biometrics (3-4)
  **Total: 15-16**

### THIRD YEAR/Autumn
- **EVST 360** Applied Ecology (or BIOE 370 or FOR 330) (3)
- **EVST 367(W)** Env Politics & Policy (or 302 in spring) (3)
- **EVST 305L** Environmental Vision (or 430 in spring) (3)
- **Electives:** (GPHY 385 Field Techniques) (3-6)
  **Total: 15**

### FOURTH YEAR/Autumn
- **EVST 477S** Env Justice Issues/Solutions (or 487 in spring) (3)
- **EVST** EVST course listed 300 or above (3)
- **EVST 398** Internship Variable credit (R-6)
- **Electives:** eg, FOR 485, GEO 301, GEO 420) (3)
  **Total: 15**

### FIRST YEAR/Spring
- **M 115** Probability and Linear Math (3)
- **EVST 167H** Nature & Society (3)
- **CHMY 123N** Intro to Organic & Biochem (3)
- **CHMY 124N** Intro to Organic & Biochem Lab (2)
  **Gen Education: WRIT 101 (M to Z) (3)**
  &/or other GEDs* (3)
  **Total: 17**

### SECOND YEAR/Spring
- **EVST 201** Env. Info Resources or BIO 110 (3)
- **GPHY 381** Principals of Digital Cartography (3)
  **Gen Education or Elective** (9)
  **Total: 15**

### THIRD YEAR/Spring
- **EVST 302(W)** Env Regulation (or 367 in fall) (3)
- **EVST 430** Culture & Agriculture (or 305 in fall) (3)
- **EVST** EVST course listed 300 or above (3)
  **Electives:** (eg, BIOO 470 Ornithology or FOR 385 Hydrology) (6-9)
  **Total: 15**

### FOURTH YEAR/Spring
- **EVST 487** Globalization, Justice, Env (or 477 in fall) (3)
- **EVST** EVST course listed 300 or above (3)
  **Electives:** (eg, BIOO 462, 423; GPHY 488) (9)
  **Total: 15**

### GRADUATION REQUIREMENTS
- 39 credits in courses listed 300 and above
- 36 credits within EVST
- 120 credit hours total (30 credits at UM)

**One, 3 or Native American Studies course** (check for prereq):
- NAS 100H Intro to Native American Studies
- NAS 231X Indigenous World View Perspective
- NAS 301E American Indian Religion and Philosophy
- NAS 303E Ecological Perspectives in Native American Traditions
- NAS 324X Indians of Montana Since the Reservation Era
- NAS 329 Native American Literature
- NAS 341 Contemporary Issues of American Indians
- NAS 342 Gender Studies in Native American Studies
- NAS 410 Studies in Native American Autobiography
- NASL 201X Indian Culture as expressed through Language
- NASL 202L Oral and Written Traditions of Native Americans

### EVST Writing courses:
- EVST 302 Intro to Environmental Regulation
- EVST 305L The Environmental Vision
- EVST 367 Environmental Politics and Policies
- EVST 373A Nature Works
- PHIL/EVST 327E Environmental Ethics II
- ECNS 433/EVST440 Environmental Economics
- EVST 487 Globalization, Justice & Environment

### Special Area of Study example: Water Studies
- 20 approved credits from courses such as:
  - BIOE 428 Freshwater Ecology
  - BIOO 340 Biology and Mgmnt of Fishes
  - BIOO 409 Advance Fisheries Science
  - BIOL 453,454 Water courses at Biostation
  - CHMY 442 Aquatic Chemistry
  - FOR 385, 386 Watershed Hydrology & Lab
  - FOR 415 Environmental Soil Science
  - FOR 455 Riparian Ecology Management
  - FOR 485 Watershed Management
  - GPHY 335 Water Policy
  - GEO 320 Global Water also GEO 260, GEO 301
  - GEO 327 Geochemistry
  - GEO 460 Process Geomorphology
  - GEO 420 Hydrogeology

**Recommendations:** Take 15-18 credits per semester. Check for prerequisites for all classes.

**Minor or double major in a science.** Take as many labs or field experiences as possible.

Note: Federal agencies require 30 semester hours in the appropriate broad science field & 12 in emphasis area to qualify for these jobs.

**Examples:**
- Ecologist: 30 hrs in biology (including 9 in ecology) & 12 in physical science and math
- Soil Scientist: 30 hrs in ag or natural resource science (including 12 in soils or plant sciences)
- Hydrologist: 30 hrs physical science + 6 calculus + 6 physics
- Wildlife Biologist: 9 hrs wildlife bio, 12 zoology, 9 botany + 15 hrs physical science & math for research positions
- Env Scientist: 30-40 hrs mix of biology, ecology, chemistry, hydrology, soil science, geology, statistics, GIS

See Professor Vicki Watson, Environmental Studies advisor for more examples. Office: Natural Science Bldg., room 101.

09/23/10 revise