

TRACKS AND COURSES: 2014+

ADVANCED ENVIRONMENTAL SCIENCE COURSES

The Environmental Science emphasis has three tracks:

Ecology/Biology Track (E/B)

Resource Management Track (RM)

Earth Science Track (ES)

Courses in the Ecology/Biology (E/B) Track

- _____ Biology 325: Field Ecology <Bio 105 & 349; some knowledge of chemistry>
- _____ Biology 326: Introduction to Limnology <one general Bio course, one year of chemistry, and instructor consent>
- _____ Biology 327: Microbial Ecology <Bio 231, 233, or 309 or instructor consent >
- _____ Biology 336: Freshwater Algae <Bio 231, 233, or 309>
- _____ Biology 338: Environmental Toxicology <Bio 105 or instructor consent>
- _____ Biology 349: Ecology and Evolution <Biology 105>
- _____ Biology 376: Population & Community Ecology <Bio 349>
- _____ Biology 386: Ecosystems Ecology <Bio 105 & 349; strong knowledge of chemistry>
- _____ ES/Biology 305: Biology, Identification, and Management of Invasive Species <ES/Bio 260>
- _____ ES/Biology 318: Wildlife Behavior and Conservation <Bio 349 and ES 260>
- _____ ES/Anthropology 372: Primate Behavior & Ecology <none>
- _____ ES 391: Special Topics in Environmental Science <none>
- _____ ES 396: Fields Studies in Environmental Science <none>
- _____ Nursing 361: Human Health & the Environment <none>

Courses in the Resource Management (RM) Track

- _____ ES/Biology 305: Biology, Identification, and Management of Invasive Species <ES/Bio 260>
- _____ ES/Biology 314: Principles of Wildlife Management <Bio 106 or ES 260>
- _____ Geography 314: Environmental Conservation <none>
- _____ Geography 364: Water Resource Management <8 crs Phys Geog or Geology>
- _____ Geography 391: Geographic Information Systems I: Mapping and visual (4 credits)
- _____ Geography 382: Remote Sensing of the Environment <none>
- _____ Geography 414: Natural Resource Management <Geog 314>
- _____ Geography 471: Geographic Information Systems II <Geog 371>
- _____ Geography 472: Geographic Information Systems III <Geog 471>

Courses in the Earth Science (ES) Track

- _____ Geography 304: Soils
- _____ Geography 335: Climatology <Geog 121>
- _____ Geography 363: Biogeography <Geog 121 or Bio 349>
- _____ Geography 461: Advanced Physical Geography
- _____ Geology 320: Geomorphology <Geol 109> {fall even years}
- _____ Geology 328: Oceanography <8 credits of lab science> {every spring}
- _____ Geology 335: Glacial Geology <Geol 102, 110, or 150> {fall odd years}
- _____ Geology 365: Phys Hydrogeology <Comp Sci 115; Geol 150, 102, or 110; Math 108>
- _____ Geology 366: Chemical Hydrogeology <Geol 365, Math 171, Chem 106>
- _____ Geology 370: Field Hydrogeology I <Geol 365 or consent of instructor>
- _____ Geology 371: Field Hydrogeology II <Geol 366 or consent of instructor>

ADVANCED ENVIRONMENTAL POLICY AND VALUES COURSES

The Policy and Values Emphasis has two tracks:

Policy, Planning, and Resource Management Track

Society and Values Track

Courses in the Policy, Planning, and Resource Management Track

- _____ Economics 355: Natural Resource Economics <Econ 206/208 & 207/209>
- _____ Economics 360: Environmental Economics & Policy <Econ 206/208 & 207/209>
- _____ ES 300: Internship <none>
- _____ ES/Geography 310: Comprehensive Planning
- _____ ES/Geography 311: Economic Geography
- _____ ES/Sociology 315: Population Problems <Soc 101 or 151>
- _____ ES/Political Science 316: Environmental Law
- _____ ES 320: Campus Sustainability <none>
- _____ ES/Business 328: Energy and Facilities Management <none> (7 week, 1.5 credits)
- _____ ES/Business 329: Sustainable Communities <none> (7 week, 1.5 credits)
- _____ ES/Business 330: Sustainable Management <none>
- _____ ES/Anthropology 368: Human Dimensions of Wildlife Conservation <none>
- _____ ES/Political Science 388: Global Environmental Politics <Pol Sci 101, 115, or Soc 161>
- _____ ES 390: Special Topics in Environmental Studies <none>
- _____ ES 395: Field Studies <none>
- _____ ES/Business 450: Environmental Management <none>
- _____ ES/Business 464: Sustainability Strategy & Innovation <none>
- _____ Geography 313: Wisconsin <none>
- _____ Geography 314: Environmental Conservation <none>
- _____ Geography 364: Water Resource Management <8 crs Phys Geography or Geology>
- _____ Geography 377: Population and Environment <Geog 102, 111 or 213; or ES 101>
- _____ Geography 414: Natural Resource Management <Geog 314>
- _____ Geography 419: Natural Hazards & Disaster Planning <8 cr. Physical Geog or Geology>
- _____ Political Science 326: Politics of Development <Pol Sci 101, 115, or Soc 161>
- _____ Public Administration 391: Env. Energy Management <Pub Aff 221 or Cr Jus 213>
- _____ Urban & Regional Studies 317: Land Use Regulations <none>

Courses in the Society and Values Track

- _____ Anthropology 348: Economy, Nature and Culture <Anthropology 102>
- _____ ES/Sociology 313: Rural Sociology <Sociology 101 or 151>
- _____ ES/History 326: American Environmental History <none>
- _____ ES/Religious Studies 332: Radical Environmentalism <none>
- _____ ES/History 339: Public History <9 credits of Env Stds or History>
- _____ ES/English 342: Green Romanticism <none>
- _____ ES/English 343: Nature Writing <none>
- _____ ES/History 345: History of American Wilderness <3 credits of Env Stds or History>
- _____ ES/History 354: Latin American History
- _____ ES/History 355: Global Environmental History <3 credits of Env Stds or History>
- _____ ES/Women's Studies 365: Gender and Nature <none>
- _____ ES 375: Ecosocial Advocacy <30 credits>
- _____ ES/Anthropology 380: Globalization <none>
- _____ ES 414: Bioregionalism <none>
- _____ ES/Communication 455: Environmental Communication
- _____ Religious Studies 362: Religion and Earth Ethics <Rel 107, 262, or ES 162>
- _____ Sociology 342: Social Ecology <Soc 101 or 151 or 203 or consent>