

Bachelor of Science: Environmental Science – Requirements (effective Spring 2008)

ESP Common Requirements (24 Credit Hours)

- (3) ANTH 104 (*The Human Ecological Footprint*)
- (3) STAT 103 (*Fundamental Statistics*)
- (3) ECON 201 (*Microeconomics*)
- (3) ECON 328 (*Environmental Economics*)
- (3) THEO 184 (*Moral Problems: Ecology Crisis*) or PHIL 187 (*Environmental Ethics*)
- (3) HIST 292 (*U.S. Environmental History*) or SOCL 272 (*Environmental Sociology*)
or PLSC 392/ESP 235 (*Environmental Politics*)
- (3) NTSC 180 (*Environmental Sustainability*)
- (3) ESP 390 (*Integrative Environmental Seminar*)

Basic Science Requirements (41 Credit Hours)

- (4) CHEM 101/111 or CHEM 105/105L
- (4) BIOL 101/111
- (3) PHYS 111
- (6) MATH 131/132
- (3) NTSC 273 (*Energy & The Environment*) or NTSC 114 (*Weather & Climatology*)
- (3) BIOL 265 (*Ecology*)
- (3) BIOL 282 (*Genetics*)
- (4) CHEM 312/313 (*Environmental Chemistry & Lab*)
- (4) CHEM 102/112 or CHEM 106/106L
- (4) BIOL 102/112
- (3) PHYS 112

Electives/MBA Grad. Courses (11-16 Credit Hours) {4 courses, at least 2 from Column A}

Column A

- (4) BIOL 205 (*Plant Biology*)
- (3) BIOL 215 (*Ornithology*)
- (2) BIOL 266 (*Ecology Lab.*)
- (4) BIOL 316 (*Limnology*)
- (3) BIOL 319 (*Evolution*)
- (3) BIOL 320 (*Animal Behavior*)
- (3) ANTH 320 (*Primatology*)
- (4) BIOL 327 (*Wetland Ecol.*)
- (3) BIOL 328 (*Conservation Biology*)
- (4) MATH 335 (*Biostatistics*)
- (3) BIOL 345 (*Sociobiology*)
- (4) BIOL 355 (*Parasitology*)
- (3) BIOL 360 (*Field Biology*)
- (4) BIOL 363 (*Entomology*)
- (4) BIOL 368 (*Plant Ecology*)
- (4) BIOL 370 (*Ichthyology*)
- (4) BIOL 371 (*Marine Biology*)
- (4) BIOL 372 (*Lake Michigan Biology*)
- (4) BIOL 375 (*Aquatic Insects*)
- (3) BIOL 393 (*Natural Resources Conservation*)
- (3) BIOL 395 (*Global Change Biology*)
- (4) BIOL 395 (*Invertebrate Biology*)
- (4) BIOL 395 (*Stream Ecology*)
- (4) BIOL 395 (*Adv. Methods in Stream Ecology*)
- (3) BIOL 396 (*Research in Ecology*)
- (3) BIOL 397 (*Honors Research in Ecology*)
- (3) BIOL 398 (*Internship in Ecology*)
- (3) ESP 398 (*Independent Environmental Research*)
- (3) BIOL 470 (*Biostatistics & Experimental Design*)
- (3) CHEM 215 (*Elementary Quantitative Analysis*)
- (3/1) CHEM 223/225 (*Organic Chemistry A w/ Lab*)
- (3/1) CHEM 224/226 (*Organic Chemistry B w/ Lab*)
- (3) UNIV 350 (*Solutions to Environmental Problems*)

Column B

- (3) NTSC 107 (*Plants & Civilization*)
- (3) NTSC 113 (*Earth, The Changing Planet*)
- (3) NTSC 114* (*Weather & Climatology*)
- (3) PHIL 187*
- (3) THEO 184*
- (3) CMUN 230 (*Argument & Advocacy*)
- (3) SOCL 272*
- (3) NTSC 281 (*Human Impact on the Environment*)
- (3) NTSC 282 (*The Human Environment*)
- (3) BIET 297/SOCL 126 (*Science, Technology & Society*)
- (3) HIST 292*
- (3) HIST 300 (*Topics: Urban Environment*)
- (3) HIST 301 (*Disease & Health in History*)
- (3) CMUN 329 (*Environmental Advocacy*)
- (3) CMUN 337 (*Rhetoric of Change*)
- (3) MARK 341 (*Global Marketing*)
- (3) THEO 344 (*Theology & Ecology*)
- (3) ANTH 303 (*People & Conservation*)
- (3) ANTH 360 (*Issues in Archeology: Environmental Archeology*)
- (3) ANTH 361 (*Cultural Ecology*)
- (3) ANTH 362 (*Issues in Biol. Anthropology: Evolution of Disease*)
- (3) PHIL 389 (*Contemporary Issues: Technology & Ecology*)
- (3) PLSC 354 (*Global Environmental Politics*)
- (3) PLSC 392/ESP 235*
- (3) ESP 395 (*Environmental Internship*)
- (3) ESP 398 (*Special Topics*)
- (3) GB 400++ (*Accounting*)
- (3) GB 460++ (*Marketing*)

* course can serve as elective if not taken to fill other requirements of the major.

++for 5-year B.Sc./MBA students in lieu of electives