BEES Curriculum Electives

Ecology & Conservation Concentration

Core Requirements

ENVS 284 Phys & Pop Ecol

ENVS 285 Comm & Ecosys Ecol

ENVS 338 Conservation Biology

ENVS XXX EC Concentration Choice

ENVS Elective Choices

BE = Biodiversity & Evolution (x1)

EC = Ecology & Conservation (x3)

EES = Earth Science & Environmental Science (x1)

1.) ENVS Elective:

BE Taxon Elective - choose 1x from:

BIO 224 Vertebrate Form, Funct and Evolution (Wi, Sp and Su)

BIO 254 Invertebrate Morphology and Physiology (Wi and Su)

BIO 256 Vertebrate Morphology and Physiology (TBD)

BIO 260 Plant Biology I (TBD)

BIO 322 Mycology (TBD)

ENVS 391 Div, Evol & Ecol of Algae (TBD)

ENVS 392 Herpetology & Ichthyology (TBD)

ENVS 393 Entomology (TBD)

ENVS 375 Invertebrate Paleontology (Fa every other year)

ENVS 476 Paleobotany (TBD)

ENVS 477 Vertebrate Paleontology (Fa every other year)

2.) ENVS Elective:

EES Elective - choose 1x from:

*Any 300/400 ENVS Elective

3.) ENVS Elective:

EC Habitat or Climate Elective - choose 1x from:

ENVS 275 Global Climate Change (on-line)

ENVS 289 Global Warming, Biodiv & Your Future (Sp)

ENVS 322 Tropical Ecology (Wi)

ENVS 330 Aquatic Ecology (Sp)

ENVS 333 Wetlands Ecology (TBD)

ENVS 334 Watershed Ecology (TBD)

ENVS 336 Terrestrial Ecology (TBD)

ENVS 382 Field Botany: NJ Pine Barrens (Sp or Su)

ENVS 383 Ecology of NJ Pine Barrens (Sp or Su)

ENVS 388 Marine Field Methods (Su)

ENVS 390 Marine Ecology (Fa)

4.) ENVS Elective

EC Management or Quantitative Elective - choose 1x from:

ENVS 333 Wetlands Ecology (TBD)

ENVS 334 Watershed Ecology (TBD)

ENVS 352 Biological Indicators of Our Envr (TBD)

ENVS 385 Systems Ecology (TBD)

ENVS 410 Physiological Ecology (Wi every other year)

ENVS 412 Biophysical Ecology (Wi every other year)

ENVS 413 Adv. Population Ecology (Wi every other year)

5.) ENVS Elective

EC Methods or Molecular Bio Elective

Bio 219 Tech Molecular Biology (Fa, Wi, Sp and Su)

ENVS 326 Molecular Ecology (Fa every other year)

ENVS Lab Elective - choose 2x from:

BIO 225 Vertebrate Bio & Evolution Lab (Wi, Sp and Su)

BIO 255 Invertebrate Morph & Phys Lab (Wi)

ENVS 285 Population Ecology Lab (Wi)

ENVS 287 Community Ecology Lab (Fa)

ENVS 327 Molecular Ecology Lab (Fa every other year)

ENVS 320 Tropical Field Studies (Sp Break)

ENVS 365 Animal Behavior Lab (Sp)

ENVS 393 Entomology Lab (TBD)

*Other Organismal & Ecology labs as developed.

(Continued on back.)

EC Concentration Requirement Choice – choose 1x from:

ENVS 322 Tropical Ecology (Wi)

ENVS 330 Aquatic Ecology (Sp)

ENVS 333 Wetlands Ecology (TBD)

ENVS 334 Watershed Ecology (TBD)

ENVS 336 Terrestrial Ecology (TBD)

ENVS 364 Animal Behavior (Sp)

ENVS 382 Field Botany: NJ Pine Barrens (Sp or Su)

ENVS 383 Ecology of NJ Pine Barrens (Sp or Su)

ENVS 388 Marine Field Methods (Su)

ENVS 390 Marine Ecology (Fa)

ENVS 410 Physiological Ecology (Wi every other year)

ENVS 412 Biophysical Ecology (Wi every other year)

ENVS 413 Adv. Population Ecology (Wi every other year)

ENVS 414 Adv. Community Ecology (Wi every other year)