1: Core Requirements
All students must take:
- Foundations of Environmental Science (BIOL 5030)
- Statistics (see options in core course descriptions)
- Biology Seminar (BIOL 5860)

2: Distribution Requirements
All PhD students must take 4 classes from at least 3 of the groups (A – E):
All MS students must take 1 class from 3 of the 5 groups (A – E):

A: Ecology & Evolution
- Evolution (BIOL 5260)
- Ecosystem Science (GEOG 5960)
- Community Ecology (BIOL 5051)
- Foundations of Eco. Theory (BIOL 5050)

B: Physical & Chemical Science
- Global Environmental Change (GEOG 5700)
- Environmental Modeling (GEOG 5400)
- Environmental Chemistry (BIOL 5120)
- Techniques in Env. Analysis (BIOL 6390)

C: Environmental Health
- General Toxicology (BIOL 5370)
- Computational Epidemiology (CSCE 5820)
- Medical Geography (GEOG 5140)
- Health GIS (GEOG 5960)

D: Social Science
- Teaching Life Science (BIOL 5005)
- Environmental Ethics (PHIL 5000)
- Env Impact Assessment (BIOL 5100)
- Ecological Risk Assessment (BIOL 6400)
- Philosophy of Ecology (PHIL 5010)

E: Organismal Biology
- Insect Biology (BIOL 5070)
- Comparative Animal Physiology (BIOL 5505)
- Plant Physiology (BIOL 5503)
- Ornithology (BIOL 5800)
- Ichthyology (BIOL 5005)
- Mammalogy (BIOL 5005)

* By instructor consent only.

3: Electives (selected with advising committee)
All students must take:
A series of electives approved by her/his committee

MS: 6 hours of thesis research
PhD: 12 hours of dissertation research

4: PhD Concentration (optional)
Students may choose to concentrate in five areas:
- Ecology & Conservation Biology
- Toxicology
- Geoscience
- Human Ecology

Hour Requirements
Students w/o Master’s Degree = 72 hours
Student’s w/ Master’s Degree = 42 hours
Master’s Degree = 36 hours