

1: Core Requirements

All students must take:

Statistics (see options in core course descriptions)
 Biology Seminar (BIOL 5860)

Hour Requirements

PhD students w/o Master's Degree = 72 hours

PhD students w/ Master's Degree = 42 hours

Master's Degree = 36 hours



See <https://environmentalscience.unt.edu/graduate-program/curriculum-courses> for more information.

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)
 Stream Ecology (BIOL 5440)
 Physiological Ecology (BIOL 5300)

B: Physical & Chemical Science

Global Environmental Change (GEOG 5700)
 Aquatic Toxicology (BIOL 5380)
 Techniques in Env. Analysis (BIOL 6390)
 Bioinstrumentation & Analysis (BIOL 6200)

C: Environmental Health

General Toxicology (BIOL 5370)
 Computational Epidemiology (CSCE 5820 or BIOL 5820)
 Medical Geography (GEOG 5140)
 Health GIS (GEOG 5960)

D: Social Science

Environmental Ethics (PHIL 5000)
 Env Impact Assessment (BIOL 5100)
 Philosophy of Ecology (PHIL 5010)
 Subantarctic BioCultural Cnsv (BIOL5053)

E: Organismal Biology

Insect Biology (BIOL 5070)
 Comparative Animal Physiology (BIOL 5505)
 Plant Physiology (BIOL 5503)
 Ornithology (BIOL 5800)
 Mammalogy (BIOL 5057)



3: Electives (selected with advising committee)

All students must take:

A series of electives approved by her/his committee
and

MS: 6 hours of thesis research

PhD: 12 hours of dissertation research



4: PhD Concentration (optional)

PhD students may choose to concentrate in on of five areas:

Ecology & Conservation Biology
 Toxicology
 Geoscience
 Human Ecology
 Science Education Research