Bachelor of Science with a major in Ecology for Environmental Science 2020-2021 Checklist

University Core Requirements

Communication (English Composition):
- ☐ **ENGL 1310**: College Writing I

Creative Arts:
- ☐ **Choose from Catalog*

Language, Philosophy, & Culture:
- ☐ **Choose from Catalog*

American History to 1865:
- ☐ **HIST 2610**

American History since 1865:
- ☐ **HIST 2620**

Federal Government/Political Science:
- ☐ **PSCI 2305**

State Government/Political Science:
- ☐ **PSCI 2306**

Social & Behavioral Sciences:
- ☐ **ECON 1100:** Principles of Microeconomics

***Math, Science, & Component Area core requirements will be completed with major courses.*

College of Science Requirements

- ☐ **Algebra Proficiency**
  To be admitted into the College of Science, students must complete College Algebra with a grade of C or higher **OR** demonstrate proficiency through a math placement exam.

Foundation Courses for Major

Complete the following courses with a grade of C or higher:

- ☐ **BIOL 1710:** Biology for Science Majors I
- ☐ **BIOL 1720:** Biology for Science Majors II
- ☐ **BIOL 1760:** Biology for Science Majors Laboratory
- ☐ One of the following sophomore level biology options:
  - **BIOL 2140 & 2141:** Principles of Ecology & Laboratory
  - **BIOL 2251:** Biodiversity and Conservation of Animals
- ☐ **CHEM 1410 & 1430:** General Chemistry I & Laboratory
- ☐ **CHEM 1420 & 1440:** General Chemistry II & Laboratory
- ☐ **CHEM 2370 & 3210:** Organic Chemistry I & Laboratory
- ☐ **MATH 1680:** Elem. Probability & Statistics **OR**
  MATH 1650: Pre-Calculus
- ☐ Minimum of 2.50 GPA in the above courses

Required Courses for Degree

Complete the following courses with a grade of C or higher:

- ☐ Second sophomore level biology option (choose the one that is different than your foundation course selection):
  - **BIOL 2140 & 2141:** Principles of Ecology & Laboratory
  - **BIOL 2251:** Biodiversity and Conservation of Animals
- ☐ **BIOL 3451 & 3452:** Genetics & Laboratory
- ☐ **BIOL 4051 & 4052:** Community Ecology & Laboratory
- ☐ **BIOL 4260:** Principles of Evolution
- ☐ One of the following advanced physiology options:
  - **BIOL 4503 & 4504:** Plant Physiology & Laboratory
  - **BIOL 4505 & 4510:** Comparative Animal Physiology & Laboratory
- ☐ 2 advanced biology courses with their laboratories (choose from approved list)
- ☐ 4 additional hours of advanced biology courses (choose from approved list)
- ☐ **CHEM 2380 & 3220:** Organic Chemistry II & Laboratory

Required Courses for Degree

- ☐ **GEOG 3500:** Introduction to Geographic Information Systems
- ☐ **ECON 4440:** Economics of Natural Resources and Environment
- ☐ **PHYS 1410 & 1430:** General Physics I & Laboratory
- ☐ **PHYS 1420 & 1440:** General Physics II & Laboratory
- ☐ **PHIL 2500:** Introduction to Contemporary Environmental Issues
- ☐ **TECM 2700:** Technical Writing *(C or higher if also used for core)*
- ☐ **MATH 1680:** Elem. Probability & Statistics **OR**
  MATH 1710: Calculus I

Minor Requirements

Minor is optional.

Additional Requirements

- ☐ Minimum of 120 total hours
- ☐ Minimum of 36 advanced hours
- ☐ Check with an advisor to see if electives are necessary to reach minimums

College of Science Advising Center
Hickory Hall 283; (940) 369-8606; COSAdvising@unt.edu

This is an unofficial simplified checklist effective Fall 2020. Degree requirements are subject to change, please check with an advisor for any updates.
*Link to Catalog: http://catalog.unt.edu/content.php?catoid=23&navoid=2482