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

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

2: Distribution Requirements
All PSM students must take 1 class from 3 of the 5 groups (A – E), for example:

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 (BIOL 5053)

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

3: Electives
All students must take:
- 2 organized elective courses required (6 credit hours)
- Students must take 4 PLUS courses (12 credit hours)

4: Internship
Required 4 Hour Internship
Taken as BIOL 5900/5910, Special Problems, w/ major professor.
Internship: requires written proposal, period of work, and final reports

5: Oral Exam
All students must take:
Oral comprehensive exam administered by major professor and advising committee.

Hour Requirements
Professional Science Master’s Degree = 36 hours
The Environmental Science PSM Curriculum
We have divided up the Environmental Science (ENSC) PSM curriculum into five components, which are the core requirements, the distribution requirements, electives and PLUS courses, the internship, and the comprehensive exam.

Core Requirements
Although ENSC is inherently broad because of its interdisciplinary perspective on solving environmental problems, there are some experiences that all ENSC graduate students must have during their time at UNT. These include a graduate level statistics course and participation in the biology research seminar series.

Distribution Requirements
What makes ENSC different from its parent disciplines is its interdisciplinarity. Our curriculum guarantees breadth through its distribution requirements. The program is distributed across five thematic groups: Ecology and Evolution, Physical and Chemical Sciences, Environmental Health Sciences, Social Sciences, and Organismal Biology. PSM students must take three distribution courses from three different theme groups.

Electives & PLUS Courses
To round the ENSC curriculum, students design their degree plan through consultation with their major professor and their advisory committee with two additional organized courses in environmental science, which tend to be environment focused courses in biology, geography, chemistry, and/or philosophy. In addition, the PSM requires twelve credit hours of PLUS courses outside of environmental science. Courses may be taken in a variety of areas from business, communications, to education, and other elective areas. Students may suggest a PLUS course that is not listed; the PLUS courses to be taken must be approved by the major professor and the advising committee.

The final degree plan must be signed by all committee members, and approved by the ENSC Graduate Coordinator, the Chair of Biological Sciences, and the Dean of the Toulouse Graduate School.

Internship
An integral part of the PSM is the internship, which is with a non-UNT organization, such as a local municipality, a consulting firm, a local school, or other organization with an environmental research or education focus. Students must facilitate their own internship opportunity, which can be volunteer or for pay. The student must locate an intern supervisor at the organization and provide the major professor and intern supervisor with a proposal for the internship that states the goals and projected outcomes of the proposed work. The proposal must be approved by the major professor and intern supervisor prior to the start of the internship period. Internships typically last for one semester with a time commitment that is agreed upon with the major professor and intern supervisor. The internship concludes with a final report that is approved by the major professor. Structure and scope of the proposal and the final report will be decided upon by the major professor.

Final Comprehensive Exam
This is a comprehensive exam on environmental science that centers on the coursework taken during the program. The exam is administered by the three member advising committee and is organized by the major professor. Students must schedule the exam with her/his committee. The exam is graded as either pass or fail and is the final commitment of the PSM degree.