

Environmental Science: Environmental Health, B.S.

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

| First Year – 28-31 Hours | | | |
|---|------------|--|------------|
| Fall Semester: | Hrs | Spring Semester: | Hrs |
| BIOL 1110/1110L: <i>Principles of Biology I/Lab</i> (Natural Science) | 4 | BIOL 1120/1120L: <i>Principles of Biology II/Lab</i> (Natural Science) | 4 |
| CHEM 1110/1110L: <i>General Chemistry I/Lab</i> | 4 | CHEM 1120/1120L: <i>General Chemistry II/Lab</i> | 4 |
| MATH 1130: <i>College Algebra</i> or MATH 1730: <i>Combined Precalculus</i> (Quantitative Reasoning) | 3-4 | MATH 1830: <i>Calculus for Management, Life, and Social Sciences</i> or MATH 1950: <i>Calculus w/ Analytic Geometry I</i> (Quantitative Reasoning) | 3-4 |
| Writing and Communication (ENGL 1010 or 1011) | 3-4 | Writing and Communication (ENGL 1020) | 3 |
| | 14-16 | | 14-15 |
| Second Year – 33-34 Hours | | | |
| Fall Semester: | Hrs | Spring Semester: | Hrs |
| BIOL 1130: <i>Principles of Biology III</i> | 3 | BIOL 3060/3070: <i>Ecology/Lab</i> | 4 |
| CHEM 3010/3010L: <i>Organic Chemistry I</i> | 4 | CHEM 3020/3020L: <i>Organic Chemistry II</i> | 4 |
| ESC 1500/1500L: <i>Introduction to Env. Science I/Lab</i> | 4 | ESC 1510/1510L: <i>Introduction to Env. Science II/Lab</i> | 4 |
| ENGL 2820: <i>Scientific Writing*</i> | 3 | Humanities and Fine Arts | 3-4 |
| GEOG 2100/2100L: <i>Introductory Geographic Information Systems and Remote Sensing/Lab</i> | 4 | | |
| | 18 | | 15-16 |
| Third Year – 29-33 Hours | | | |
| Fall Semester: | Hrs | Spring Semester: | Hrs |
| Approved Env. Health Elective (3000-4000 Level)** | 3-4 | Approved Env. Health Elective (3000-4000 Level)** | 3-4 |
| BIOL 3250: <i>Genetics</i> | 3 | BIOL 3350: <i>Evolution</i> | 3 |
| CHEM 3210/3210L: <i>Quantitative Analysis/Lab</i> | 4 | BIOL 4220: <i>Principles of Microbiology</i> | 4 |
| ESC 3400: <i>Environmental Survey Methods/Lab</i> or ESC 3600: <i>Air and Water Pollution Control</i> | 3-4 | Humanities and Fine Arts | 3-4 |
| MATH 2100: <i>Introductory Statistics</i> | 3 | | |
| | 16-18 | | 13-15 |
| Fourth Year – 26-34 Hours | | | |
| Fall Semester: | Hrs | Spring Semester: | Hrs |
| Approved Env. Health Elective (3000-4000 Level)** | 3-4 | ESC 4100: <i>Environmental Law and Agencies</i> | 3 |
| Approved Senior Experience | 2 | ESC 4840: <i>Values and the Environment</i> | 3 |
| Behavioral and Social Science | 3 | Behavioral and Social Science | 3 |
| Humanities and Fine Arts | 3-4 | Humanities and Fine Arts | 3-4 |
| Individual and Global Citizenship | 3-4 | Elective | 0-4 |
| | 14-17 | | 12-17 |

*Students can substitute ESC 4995r: *Departmental Thesis* for ENGL 2820.

**At least two of the three courses must be BIOL or ESC courses.

| Completed: | | | |
|---|------------|---------------------------------|------------|
| Graduation Requirements: | Hrs | Degree Requirements: | Hrs |
| 120 Total Hours | | 27-33 General Education Hours | |
| 39 Upper Division (3000-4000 Level) Hours | | 89-95 Program (Major) Hours | |
| 30 Hours at UTC | | Minor (Not Required) | |
| 45 Hours at 4-year Institution | | 0-4 Elective Hours | |
| | | Foreign Language (Not Required) | |