# Environmental Science Specialization Catalog Year 2023-2024

## Associate of Science

### Course Title Credits

#### 1st Year – Autumn Semester

- **GE Lit, Vis and Perf Arts** Student Choice 3
- **CHEM 1210\(^a\)** General Chemistry I 4-5
- **ENGLISH 1110.01\(^a\)** First-Year English Composition 3
- **ENR 2100** Introduction to Environmental Science 3
- **ENVSCT 1201T** Exploring Environmental Sciences 0.5
- **GENSTDS 1201.01T** College Orientation 0.5

**Total:** 14-15

#### 1st Year – Spring Semester

- **GE Launch Seminar** Student Choice 1
- **MATH 115** Calculus I 5
- **AEDECON 2001\(^a\)** Principles of Food and Resource Economics 3
- **ENR 2367** Communicating Environmental and Natural Resources Information 3
- **ELECTIVES** Courses to be selected in consultation with advisor 5

**Total:** 17

#### 2nd Year – Autumn Semester

- **GE Hist. & Cultural Studies** Student Choice 3
- **BIOLOGY 1113.01** Bio Sci: Energy Transfer and Development 4
- **CRPSOIL 2300T** Introduction to Soil Science 3
- **CRPSOIL 2301T** Introduction to Soil Science Laboratory 1
- **ENR 2300** Society & Natural Resources 3

**Total:** 14

#### 2nd Year – Spring Semester

- **GE R.E. & G. Diversity** Student Choice 3
- **AGRCOMM 3130** Oral Expression in Agriculture 3
- **BIOLOGY 1114.01** Bio Sci: Form, Function, Diversity, and Ecology 4
- **ENR 3300** Introduction to Forest, Fisheries, and Wildlife 3
- **ELECTIVES** Courses to be selected in consultation with advisor 3

**Total:** 16

**Total Credits for Associate of Science Degree:** 61-62

\(^a\) One possible course from approved GE list OR prerequisites and/or corequisites to this major and can also fulfill certain GE Requirements, as outlined in corresponding Degree Requirements document.
**Approved List of Electives** (Select at least 8 credits from list below)

<table>
<thead>
<tr>
<th>Credits</th>
<th>Semester</th>
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**Choice for all Majors and specializations:**

- COMLDR 3537\textsuperscript{a,b}
  - Data Analysis in the Applied Sciences
  - 3
  - AU

**Environmental Science [Specialization: Ecosystem Restoration]**

- CHEM 1220\textsuperscript{a,b}
  - General Chemistry II
  - 5
  - SP

- CHEM 2510\textsuperscript{a,b}
  - Organic Chemistry I
  - 4
  - AU

- ENR 3280\textsuperscript{b}
  - Water Quality Management
  - 2
  - AU

- HCS 2202\textsuperscript{c}
  - Form and Function in Cultivated Plants
  - 4
  - SP

- HCS 2204 AND 2205\textsuperscript{d}
  - Ecology of Managed Plant Systems
  - 4
  - SP

**Environmental Science [Specialization: Environmental Molecular Sciences]**

- CHEM 1220\textsuperscript{a,b}
  - General Chemistry II
  - 5
  - SP

- CHEM 2510\textsuperscript{a,b}
  - Organic Chemistry I
  - 4
  - AU

- ENR 3280\textsuperscript{b}
  - Water Quality Management
  - 2
  - AU

- MICR BIO 4000.01\textsuperscript{c}
  - Basic and Practical Microbiology
  - 4
  - SP

**Environmental Science [Specialization: Soil Resources & Environmental Sustainability]**

- CHEM 1220\textsuperscript{a,b}
  - General Chemistry II
  - 5
  - SP

- CHEM 2510\textsuperscript{a,b}
  - Organic Chemistry I
  - 4
  - AU

- ENR 3280\textsuperscript{b}
  - Water Quality Management
  - 2
  - AU

**Environmental Science [Specialization: Water Science]**

- CHEM 1220\textsuperscript{a,b}
  - General Chemistry II
  - 5
  - SP

- CHEM 2510\textsuperscript{a,b}
  - Organic Chemistry I
  - 4
  - AU

- ENR 3280\textsuperscript{b}
  - Water Quality Management
  - 2
  - AU

**Forestry, Fisheries, & Wildlife [Specialization: Fisheries & Aquatic Science]**

- CHEM 1220\textsuperscript{a,d}
  - General Chemistry II
  - 5
  - SP

- ENGTECH 2040T\textsuperscript{a,d}
  - Soil and Water Conservation System
  - 4
  - SP

- ENR\textsuperscript{e}
  - Water Quality Management
  - 2
  - AU

**Forestry, Fisheries, & Wildlife [Specialization: Forestry & Wildlife]**

Consult with advisor

**Forestry, Fisheries, & Wildlife [Specialization: Forest Ecosystem Science & Management]**

Consult with Advisor

**Forestry, Fisheries, & Wildlife [Specialization: Wildlife & Fisheries Sciences]**

- CHEM 1220\textsuperscript{a,d}
  - General Chemistry II
  - 5
  - SP

- ENGTECH 2040T\textsuperscript{a,d}
  - Soil and Water Conservation System
  - 4
  - SP

**Forestry, Fisheries, & Wildlife [Specialization: Wildlife & Pre-Veterinary Science]**

- CHEM 1220\textsuperscript{a,d}
  - General Chemistry II
  - 5
  - SP

- CHEM 2510\textsuperscript{a,d}
  - Organic Chemistry I
  - 4
  - AU

- MICR BIO 4000.01\textsuperscript{a,d}
  - Basic and Practical Microbiology
  - 4
  - SP

**Forestry, Fisheries, & Wildlife [Specialization: Wildlife Science]**

- CHEM 1220\textsuperscript{a,d}
  - General Chemistry II
  - 5
  - SP

- CHEM 2510\textsuperscript{a,e}
  - Organic Chemistry I
  - 4
  - AU

\textsuperscript{a} Consult bulletin for pre- and co-requisite courses.
\textsuperscript{b} Major Supporting Coursework in BS
\textsuperscript{c} Environmental Science Specialization in BS
\textsuperscript{d} Forestry, Fisheries, & Wildlife Specialization in BS
\textsuperscript{e} Directed Electives in BS