

# ENVIRONMENTAL SCIENCE (ENSC) MINOR

| Code   | Title  | Credits |
|--|--|---------|
| Required Minor Courses   |  | 6-7     |
| CSES 3114/<br>GEOS 3614  | Soils (Courses cross listed with GEOS 3614 and 3624)       |         |
| And  |  |         |
| CSES 3124/<br>GEOS 3624  | Soils Laboratory   |         |
| Or   |  |         |
| ENSC 3134  | Soils in the Landscape                                     |         |
| ENSC 3604  | Fundamentals of Environmental Science                      |         |
| Subtotal   |  | 6-7     |
| Restricted Electives   |  | 9       |
| Select minimum: 9 credits of the following, 6 or more from courses beginning with CSES/ENSC) |  |         |
| BSE 3324   | Small Watershed Hydrology                                  |         |
| BSE 3334   | Nonpoint Source Pollution Assessment and Control           |         |
| BIOL 2804  | Ecology  |         |
| BIOL 4004  | Freshwater Ecology   |         |
| BIOL 4334  | Chemical Ecology   |         |
| BIOL/ENT 4354  | Aquatic Entomology   |         |
| CEE 3104   | Introduction to Environmental Engineering                  |         |
| CHEM 4514  | Green Chemistry  |         |
| CSES/GEOG/<br>GEOS 3304  | Geomorphology  |         |
| CSES 3614  | Soil Physical and Hydrological Properties                  |         |
| CSES 4134  | Soil Genesis and Classification                            |         |
| CSES/ENSC/<br>CHEM 4444  | Managed Ecosystems, Ecosystem Services, and Sustainability |         |
| CSES 4854  | Wetland Soils and Mitigation                               |         |
| ENSC 3634  | Physics of Pollution                                       |         |
| ENSC 3644  | Plant Materials for Environmental Restoration              |         |
| ENSC/BIOL 4164   | Environmental Microbiology                                 |         |
| ENSC 4244  | Ecological Restoration                                     |         |
| ENSC 4314  | Water Quality  |         |
| ENSC/CHEM 4734   | Environmental Soil Chemistry                               |         |
| ENSC 4764  | Bioremediation   |         |
| ENSC 4774  | Reclamation of Drastically Disturbed Lands                 |         |
| FREC/WATR 3754   | Watersheds and Water Quality Monitoring                    |         |
| FREC 4354  | Forest Soil and Watershed Management                       |         |
| FREC 4374  | Forested Wetlands  |         |
| FREC 4784  | Wetland Hydrology and Biogeochemistry                      |         |
| FIW 4434   | Wildlife Habitat Ecology and Management                    |         |
| FIW 4534   | Ecology and Management of Wetland Systems                  |         |
| GEOS 4634  | Environmental Geochemistry                                 |         |

|  |   |              |
|--|---|--------------|
| GEOS 4804                                  | Groundwater Hydrology                                       |              |
| Subtotal                                   |   | 9            |
| <b>Optional Restricted Electives</b>       |   |              |
| Select maximum 6 credits of the following: |   | 6            |
| AAEC 3314                                  | Environmental Law   |              |
| AAEC 3324                                  | Environment and Sustainable Development Economics           |              |
| AAEC 4314                                  | Environmental Economic Analysis and Management              |              |
| UAP/PSCI/IS 3344                           | Global Environmental Issues: Interdisciplinary Perspectives |              |
| UAP 3354                                   | Introduction to Environmental Policy and Planning           |              |
| UAP 4344                                   | Law of Critical Environmental Areas                         |              |
| UAP 4374                                   | Land Use and Environment: Planning and Policy               |              |
| Subtotal                                   |   | 6            |
| <b>Total Credits</b>                       |   | <b>21-22</b> |

## Graduation Requirements

**Minimum Credits to Complete the Minor:** 21 Total Credits

**Minimum GPA Requirement** of 2.0 for courses taken towards this minor

**Perquisites:** Some courses listed for this minor may have pre-/co-requisites; please consult the University Course Catalog or check with your advisor.