



Springfield College Sequencing Guide Environmental Science Major (ENVS) ▼ 2020-2021

If you entered Springfield College in 2020-2021, use this guide for sequencing your courses. Requirements are subject to change and may not be offered when listed. Use your online degree audit to verify your progress, and always confirm your plans with your advisor.

GenEd Requirements, Electives, and College Requirements

In addition to the major requirements listed below, you will need to fill the following General Education (GenEd) categories:

- WLPL 100, Exploring Movement & Wellness (1 cr)
- 200-level Wellness & Physical (1 cr)
- 300-level Wellness & Physical (1 cr)
- Literary Studies (3 cr)
- Aesthetic Expression (3 cr)
- Historical and Social (3 cr)
- Themed Exploration (9 cr)

This major typically requires 69 to 72 credits to complete. In addition to the GenEd and major requirements listed, you must complete:

- **17 elective credits or more** (depending on GenEds selected) to total at least 120 credits
- A **minimum cumulative GPA** of 2.000 or higher
- The **residency requirement**—45 credits taken at Springfield College (including 15 of your last 30)

ENVS Major Requirements – Typical First-Year Schedule

Fall:

SCSM 101, Springfield College Seminar (GenEd requirement – 3 cr)
 ENGL 113, College Writing I (GenEd requirement – 3 cr)
 BIOL 121, Bioscience I (3 cr – also fills Scientific Reasoning GenEd)
 BIOL 123, Bioscience I Laboratory (1 cr – also fills Scientific Reasoning GenEd)
 ENVS 120, Foundations of Sustainability (3 cr)
 Plus other GenEds, major requirements with flexible timing, or electives (as applicable) to total approximately 15 credits

Spring:

ENGL 114, College Writing II (GenEd requirement – 3 cr)
 BIOL 122, Bioscience II (3 cr)
 BIOL 124, Bioscience II Laboratory (1 cr)
 PHSC 105, Physical Science and the Environment (4 cr – also fills a WAC requirement)
 Plus other GenEds, major requirements with flexible timing, or electives (as applicable) to total 30 credits for the year

Fall or Spring:

If needed to prepare for MATH 215:
 MATH 90, Introductory College Mathematics (0 cr) and/or
 MATH 115, College Algebra (3 cr)

ENVS Major Requirements – Typical Second-Year Schedule

Fall:

CHEM 121, General Chemistry I (3 cr)
 CHEM 123, General Chemistry I Laboratory (1 cr)
 ENVS 215, Environmental Geology (4 cr)
 Plus GenEds, major requirements with flexible timing, or electives (as applicable) to total approximately 15 credits

Spring:

CHEM 122, General Chemistry II (3 cr)
 CHEM 124, General Chemistry II Laboratory (1 cr)
 Plus GenEds, major requirements with flexible timing, or electives (as applicable) to total 30 credits for the year

Fall or Spring:

BIOL 282, Biology Skills and Career Pathways (1 cr)
 MATH 215, Probability and Statistics (3 cr – also fills Quantitative Reasoning GenEd; prerequisite: Level 4 math assessment score or MATH 115)
 If offered second year, take:
 ENVS 350, Introduction to Geographic Information Systems (3 cr)
 HIST 365, Environmental History of America (3 cr)

ENVS Major Requirements – Typical Third-Year Schedule

Fall or Spring:

If not previously taken:

ENVS 350, Introduction to Geographic Information Systems (3 cr)

HIST 365, Environmental History of America (3 cr)

Plus GenEds, major requirements with flexible timing, or electives (as applicable) to total 30 credits for the year

ENVS Major Requirements – Typical Fourth-Year Schedule

Fall or Spring:

RECOMMENDED: BIOL 482, Biology Seminar (1 cr)

Any outstanding major requirements, GenEds, or electives to total a minimum of 120 credits for your career

Additional ENVS Major Requirements – Flexible Timing

BIOL 260, General Ecology (3 cr – also fills a WAC requirement) **and** BIOL 261, General Ecology Laboratory (1 cr)

BIOL 264, Flora and Fauna of New England (3 cr) **and** BIOL 266, Flora and Fauna of New England Laboratory (1 cr)

BIOL 270, Plant Biology (3 cr) **and** BIOL 271, Plant Biology Laboratory (1 cr)

ENVS 240, Hydrology (4 cr)

MOSK 101, Outdoor Pursuits (1 cr)

PHIL 110, Environmental Ethics (3 cr – fulfills Spiritual and Ethical GenEd)

SOCI 310, Environment and Society (3 cr)

Select a minimum of **three courses** (9-12 credits) from the following:

BIOL 230, Animal Biology (3 cr)

BIOL 320, International Tropical Field Research (4 cr)

CHEM 211, Organic Survey (3 cr)

CHEM 341, Analytical Chemistry (2 cr) **and** CHEM 342, Analytical Chemistry Laboratory (2 cr – also fills a WAC requirement)

ENVS 486, Environmental Science Internship (1-3 cr)

PHYS 210, General Physics I (4 cr)

PHYS 211, General Physics II (4 cr)

ENVS Major - Program Standards

Program standards for the ENVS major include, but are not limited to:

- A grade of C- or better in all courses required for the major, including selectives