



Springfield College Sequencing Guide Environmental Science Major (ENVS) ▼ 2022-2023

If you entered Springfield College in 2022-2023, 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.

Core Curriculum Requirements, Electives, and College Requirements

In addition to the major requirements listed below, you will need to fill the following Core Curriculum categories:

- 100-level Wellness & Physical (1 cr)
- 300-level Wellness & Physical (1 cr)
- Literature (3 cr)
- Aesthetic Expression (3 cr)
- Historical and Social (3 cr)
- Themed Exploration (9 cr)
 - 3 different prefixes
 - 1 Global course

This major typically requires 72 to 74 credits to complete. In addition to the Core Curriculum and major requirements listed, you must complete:

- **16-19 elective credits or more** 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 (Core requirement – 3 cr)
 ENGL 113, College Writing I (Core requirement – 3 cr)
 BIOL 121, Bioscience I (3 cr – also fills Scientific Reasoning Core)
 BIOL 123, Bioscience I Laboratory (1 cr – also fills Scientific Reasoning Core)
 ENVS 120, Foundations of Sustainability (3 cr)
 Plus other Core and major requirements, or electives to total approximately 15 credits

Spring:

ENGL 114, College Writing II (Core requirement – 3 cr)
 BIOL 122, Bioscience II (3 cr)
 BIOL 124, Bioscience II Laboratory (1 cr)
 PHSC 105, Physical Science and the Environment (4cr)
 WLPL 201, Outdoor Pursuits (1 cr – also fulfills 200 level wellness and physical literacy)
 Plus other Core and major requirements, or electives 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:

BIOL 282, Biology Skills and Career Pathways (1 cr)
 CHEM 121, General Chemistry I (3 cr)
 CHEM 123, General Chemistry I Laboratory (1 cr)
 ENVS 215, Environmental Geology (3 cr)
 ENVS 216, Environmental Geology Laboratory (1 cr)
 Plus Core and major requirements, or electives to total approximately 15 credits

Spring:

CHEM 122, General Chemistry II (3 cr)
 CHEM 124, General Chemistry II Laboratory (1 cr)
 Plus Core and major requirements, or electives to total 30 credits for the year

Fall or Spring:

MATH 215, Probability and Statistics (3 cr – also fills Quantitative Reasoning Core)
If offered second year, take:
 ENVS 350, Introduction to Geographic Information Systems (3 cr – offered spring of odd years)
 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 – offered spring of odd years)

HIST 365, Environmental History of America (3 cr)

Plus Core and major requirements, or electives to total 30 credits for the year

ENVS Major Requirements – Typical Fourth-Year Schedule

Fall or Spring:

BIOL 482, Natural Science Capstone (3 cr – must be taken in final year of residency)

Any outstanding major requirements, Core, 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; spring only) **and**

BIOL 261, General Ecology Laboratory (1 cr)

BIOL 264, Flora and Fauna of New England (3 cr – offered fall of odd years) **and**

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

BIOL 270, Plant Biology (3 cr – offered fall of even years) **and**

BIOL 271, Plant Biology Laboratory (1 cr)

ENVS 240, Hydrology (3 cr – offered spring of odd years) **and**

ENVS 241, Hydrology Laboratory (1 cr)

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

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 – also fills WAC)

BIOL 320, International Tropical Field Research (4 cr – offered spring of even years)

CHEM 211, Organic Survey (3 cr – spring, if offered)

CHEM 341, Analytical Chemistry (2 cr) **and** CHEM 342, Analytical Chemistry Laboratory (2 cr – spring, if offered)

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