



Springfield College Sequencing Guide Environmental Science Major ▼ 2018-2019

If you entered Springfield College in 2018-2019, 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:

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|-----------------------|------------------------------|-------------------------------|--|
| • Wellness - HLTH 100 | • Visual and Performing Arts | • International/Multicultural | • 2 nd Writing Across Curriculum Course |
| • Literary Studies | • Historical/Cultural | • Physical Activity | |

This major typically requires 60 to 64 credits to complete. In addition to the GenEd and major requirements listed, you must complete:

- **39 to 33 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**—60 credits taken at Springfield College (including 15 of your last 30)

Major Requirements – Typical First-Year Schedule

Fall:

ENGL 113, College Writing I (GenEd requirement – 3 cr)
 BIOL 121, Bioscience I (3 cr – also fills Natural Sciences GenEd)
 BIOL 123, Bioscience I Laboratory (1 cr – also fills Natural Sciences GenEd)
 ENVS 120, Foundations of Sustainability (3 cr – also fills Social Justice GenEd)
 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:

CISC 115, Microcomputer Applications (3 cr – also fills Computing/Technology)
If needed to prepare for MATH 215:
 MATH 90, Introductory College Mathematics (0 cr) *and/or*
 MATH 115, College Algebra (3 cr)

Major Requirements – Typical Second-Year Schedule

Fall:

CHEM 121, General Chemistry I (3 cr)
 CHEM 123, General Chemistry I Laboratory (1 cr)
 ENVS 115, 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:

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 150, Introduction to Geographic Information Systems (3 cr)
 HIST 365, Environmental History of America (3 cr – does NOT fill Historical/Cultural GenEd)

Major Requirements – Typical Third-Year Schedule

Fall or Spring:

If not previously taken:

ENVS 150, Introduction to Geographic Information Systems (3 cr)

HIST 365, Environmental History of America (3 cr – does NOT fill Historical/Cultural GenEd)

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

Major Requirements – Typical Fourth-Year Schedule

Fall or Spring:

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

Additional Major Requirements – Flexible Timing

PHIL 106, Ethics (3 cr – also fills Spiritual/Ethical GenEd)

SOCI 265, Environment and Society (3 cr – also fills Behavioral/Social Sciences GenEd)

In addition, you must select a minimum of 5 courses (with labs, if applicable – typically 15-19 cr) from the following:

BIOL 230, Animal Biology (3 cr)

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)

BIOL 320, International Tropical Field Research (4 cr)

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

CISC 315, Database Development and Management (3 cr)

ENVS 240, Hydrology (4 cr)

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

ECON 205, Principles of Microeconomics (3 cr) or BUSM 215, Principles of Management (3 cr – BUSM 150 is a prerequisite for BUSM 215)