

- Minimum 30 of the last 60 credits earned at PennWest.
- Minimum of 23 major credits must be completed at PennWest or a State System (PASSHE) university.
- Minimum Total of 42 Credits in Advanced Coursework.

General Education

Foundations: (15-18 Credits)

First Year Seminar (3 Credits)

- ☐ FYS 1000 Navigating the First Year at PennWest

Quantitative Reasoning (3 Credits)

- ☐ MATH 1220 College Algebra

Written Communication (3-6 Credits)

- ☐ ENGL 1100 Intro. to Comp. & ENGL 1200 College Comp.
☐ Or ENGL 1200 College Composition

Oral Communication (3 Credits)

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Technological Literacy (3 Credits)

- ☐ GIS 2100 Geographic Information Systems

Discoveries: (26-29 Credits)

Arts and Humanities (6 Credits)

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Social Sciences (6 Credits)

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Natural Sciences and Technology (7 Credits)

- ☐ CHEM 1108 General Chemistry I
☐ ATMS 2000 Climatology

Flex Discoveries (If DSP into ENGL 1200) (10 Credits)

- ☐ BIOL 1400 Introduction to Ecology and Evolution
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Essential Skills:

Intensive Writing

- ☐ BIOL 3248 Advanced Ecology

Capstone

- ☐ BIOL 4480 Field Topics In Biology
☐ Or BIOL 4951 Internship in Biology
☐ Or BIOL 4999 Research In Biology

General Education Notes:

If Directed Self-Placement (DSP) includes ENGL 1100, the student will complete 6 courses in Foundations and 8 courses in Discoveries. If DSP into ENGL 1200, the student will complete 5 courses in Foundations and 9 courses in Discoveries. DSP into ENGL 1100 reduces the number of Gen Ed Flex courses to 6 vs. 9.

Program Requirements

Required Major Courses: (11 Credits)

- ☐ BIOL 1700 Introduction to Organismal Biology
☐ BIOL 1900 Introduction to Cellular and Molecular Biology
☐ STAT 2020 Elements of Statistics

Required Concentration Courses: (20-21 Credits)

- ☐ ATMS 1010 Fundamentals of Earth Science
☐ Or GEOL 1500 Dynamic Earth
☐ BIOL 3248 Advanced Ecology
☐ BIOL 3399 Conservation Biology
☐ Or FWSC 4435 Natural Resource Law and Policy
☐ BIOL 3411 Environmental Sustainability
☐ BIOL 4570 Biological Study Design and Data Analysis
☐ CHEM 1128 General Chemistry II
☐ Or CHEM 2450 Environmental Chemistry

Major Electives: (15 Credits)

Any 3000 or 4000 level courses with ATMS, BIOL, FWSC, GEOL, or PLE prefixes. Must include 1 credit of BIOL 4480, BIOL 4951, or BIOL 4999.

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Free Electives: (30 Credits)

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Suggested Four Year Course Sequence

Year 1

Fall Semester

BIOL 1400 Ecology and Evolution
ENGL 1200 College Composition
FYS 1000 Navigating First Year at PennWest
MATH 1220 College Algebra
Oral Communication

Spring Semester

Arts and Humanities
ATMS 2000 Climatology
BIOL 1700 Introduction to Organismal Biology
GGIS 2100 Geographic Information Systems
Social Sciences

Year 2

Fall Semester

Arts and Humanities
BIOL 1900 Intro to Cellular and Molecular Biology
CHEM 1108 General Chemistry I
GGIS 2100 Intro to GIS or ATMS 2000 Climatology
STAT 2020 General Statistics

Spring Semester

ATMS 1010 Fundamentals of Earth Science
Or GEOL 1500 Dynamic Earth
BIOL 3248 Advanced Ecology
CHEM 1128 General Chemistry II
Or CHEM 2450 Environmental Chemistry
Social Sciences

Year 3

Fall Semester

BIOL 3411 Environmental Sustainability
BIOL 3399 Conservation Biology
Or FWSC 4435 Natural Resource Law and Policy
BIOL 4570 Research Design and Analysis
Flex Discoveries

Spring Semester

Free Elective
Free Elective
Free Elective
Free Elective
Major Elective

Year 4

Fall Semester

Free Elective
Free Elective
Free Elective
Major Elective
Major Elective

Spring Semester

Free Elective
Free Elective
Free Elective
Major Elective
Major Elective