

- Minimum 30 of the last 60 credits earned at PennWest.
- Minimum of 21 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)

- ☐ _____

Technological Literacy (3 Credits)

- ☐ GIS 2100 Geographic Information Systems

Discoveries: (26-29 Credits)

Arts and Humanities (6 Credits)

- ☐ _____
☐ _____

Social Sciences (6 Credits)

- ☐ _____
☐ _____

Natural Sciences and Technology (7 Credits)

- ☐ CHEM 1108 General Chemistry I
☐ STAT 2020 Elements of Statistics

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

- ☐ BIOL 1400 Introduction to Ecology and Evolution
☐ _____
☐ _____

Essential Skills:

Intensive Writing

- ☐ _____

Capstone: Choose one of the following:

- ☐ BIOL 4480 Topics in Field Biology
☐ BIOL 4951 Internship in Biology
☐ 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: (42-45 Credits)

- ☐ BIOL 1700 Introduction to Organismal Biology
☐ BIOL 1900 Introduction to Cellular and Molecular Biology
☐ BIOL 2202 Genetics
☐ BIOL 3992 Advanced Topics in Plant & Forest Biology, Ecology, & Tax.
☐ FWSC 4492 Animal Population Dynamics
☐ BIOL 4570 Research Design and Analysis

Choose 1 Wildlife Techniques or Fisheries Management:

FWSC 4423 Wildlife Management Techniques or FWSC 4424 Fisheries Management

- ☐ _____

Choose 2 Cons. Bio or Princ. of Wildlife Man. Or Aquaculture:

BIOL 3399 Conservation Biology, FWSC 4420 Principles of Wildlife Management, or FWSC 4425 Aquaculture

- ☐ _____

- ☐ _____

Choose 2 Biology Taxonomy Related Electives:

BIOL 3990 Advanced Topics in Vertebrate Biology, Ecology and Taxonomy, BIOL 3991 Advanced Topics in Invertebrate Biology, BIOL 4473 Feshwater Ecology or BIOL 4475 Wetlands Ecology

- ☐ _____

- ☐ _____

Choose 1 Law Policy and Planning :

BIOL 3411 Environmental Sustainability or FWSC 4435 Natural Resource Law and Policy

- ☐ _____

Choose 1 Capstone:

BIOL 4480 Topics in Field Biology , BIOL 4951 Internship in Biology, or BIOL 4999 Research in Biology

- ☐ _____

Free Electives: (34 Credits)

- ☐ _____

- ☐ _____

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- ☐ _____

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- ☐ _____

- ☐ _____

Suggested Four Year Course Sequence

Year 1

Fall Semester

BIOL 1400 Introduction to Ecology and Evolution
CHEM 1108 General Chemistry I
FYS 1000 Navigating the First Year at PennWest
MATH 1220 College Algebra
Written Communication

Spring Semester

Arts and Humanities
BIOL 1700 Introduction to Organismal Biology
Oral Communication
Social Sciences
STAT 2020 Elements of Statistics

Year 3

Fall Semester

BIOL 3992 Advanced Topics in Plant & Forest Biology, Ecology, Tax.
BIOL 4570 Research Design and Analysis
Cons. Bio or Princ. of Wildlife Man. or Aquaculture Elective
FWSC 4423 Wildlife Management Techniques
Or FWSC 4424 Fisheries Management

Spring Semester

Biology Taxonomy Elective
BIOL 3411 Environmental Sustainability
Or FWSC 4435 Natural Resource Law and Policy
Free Elective
FWSC 4492 Animal Population Dynamics

Year 2

Fall Semester

Arts and Humanities
BIOL 1900 Introduction to Cellular and Molecular Biology
Free Elective
GGIS 2100 Geographic Information Systems
Social Sciences

Spring Semester

BIOL 2202 Genetics
Cons. Bio or Princ. of Wildlife Man. or Aquaculture Elective
Flex Discoveries
Free Elective
Free Elective

Year 4

Fall Semester

Biology Taxonomy Elective
Capstone
Free Elective
Free Elective
Free Elective

Spring Semester

Free Elective
Free Elective
Free Elective
Free Elective
Free Elective