

- Minimum 15 of the last 30 credits earned at PennWest.
- Minimum of 17 major credits must be completed at PennWest or a State System (PASSHE) university.

General Education

Foundations: (13 Credits)

Oral Communication: (3 Credits)

☐ _____

Quantitative Reasoning: (4 Credits)

☐ MATH 2410 Calculus I

Technological Literacy: (3 Credits)

☐ _____

Written Communication: (3 Credits)

☐ ENGL 1200 College Composition

Discoveries: (Credits 10)

Art/Humanities: (3 Credits)

☐ _____

Natural Sciences & Technology: (4 Credits)

☐ CHEM 1108 General Chemistry I

Social Sciences: (3 Credits)

☐ SOC 1000 Introduction to Sociology

Elective/Wellness & Personal Health: (3 Credits)

☐ _____

Competencies:

Applied Methodologies:

☐ CHEM 1128 General Chemistry II

Ethical Reasoning:

☐ _____

Information Literacy:

☐ _____

Intercultural Fluency:

☐ _____

Writing Intensive:

☐ CHEM 2205 Organic Chemistry I Laboratory

Program Requirements

Required Major Courses: (26 Credits)

- ☐ STAT 2020 Elements of Statistics
- ☐ PHYS 1500/1510 General Physics I
 - ☐ ~Or~ PHYS 2500/2510 University Physics I
- ☐ CHEM 1128 General Chemistry II
- ☐ CHEM 2200 Organic Chemistry I
 - ☐ ~And~ CHEM 2205 Organic Chemistry I Laboratory
- ☐ CHEM 2250 Organic Chemistry II
 - ☐ ~And~ CHEM 2255 Organic Chemistry II Laboratory
- ☐ BIOL 1900 Introduction to Cellular and Molecular Biology
- ☐ ECON 2200 Principles of Macroeconomics
 - ☐ ~Or~ ECON 2100 Principles of Microeconomics

Major Electives: (8 Credits) Select two (2) or more courses from:

- ☐ BIOL 2202 Genetics
- ☐ BIOL 3330 Cell Biology
- ☐ BIOL 4320 Molecular Biology

Suggested Two Year Course Sequence

Year 1

Fall Semester

BIOL 1900 Intro Cell & Molec Biology
CHEM 1108 General Chemistry I
ENGL 1200 College Composition
MATH 1410 Pre-calculus*
PSYC 1000 Intro to Psychology
~Or~ SOCI 1000 Intro to Sociology

Spring Semester

BIOL ____ Biology Elective^
CHEM 1125 General Chemistry II
MATH 2410 Calculus I
GenEd Foundations - Oral Communications^
GenEd Foundations - Technological Literacy^

Year 2

Fall Semester

BIOL ____ Biology Elective^
CHEM 2200 Organic Chemistry I Lecture
~And~ CHEM 2205 Organic Chemistry I Lab
ECON 2100 Principles of Microeconomics
~Or~ ECON 2200 Princ of Macroeconomics
PHYS 1500 Physics I Lecture*
~And~ PHYS 1510 Physics I Lab*

Spring Semester

CHEM 2250 Organic Chemistry II Lecture
~And~ CHEM 2255 Organic Chemistry II Lab
STAT 2020 Elements of Statistics
GenEd Discoveries - Health & Wellness^

NOTE:

*Alternate series: PHYS2500/10 and PHYS2600/10 series.

^Select General Education/elective courses through faculty advisement.

