

- 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: (12 Credits)

Oral Communication: (3 Credits)

- ☐ _____

Quantitative Reasoning: (3 Credits)

- ☐ MATH 1220 College Algebra

Technological Literacy: (3 Credits)

- ☐ CMSC 1200 Problem Solving & Programming Constructs

Written Communication: (3 Credits)

- ☐ ENGL 1200 College Composition

Discoveries: (10 Credits)

Art/Humanities: (3 Credits)

- ☐ PHIL 2100 Introduction to Ethics

Natural Sciences & Technology: (4 Credits)

- ☐ PHYS 1500 & PHYS 1510 General Physics I Lecture & Lab

Social Sciences: (3 Credits)

- ☐ ECON 2100 Principles of Microeconomics

Elective/Wellness & Personal Health: (3 Credits)

- ☐ ENGT 1100 Introduction to Engineering Technology

Competencies:

Applied Methodologies:

- ☐ ECET 2160 Electric Circuits II

Ethical Reasoning:

- ☐ PHIL 2100 Introduction to Ethics

Information Literacy:

- ☐ _____

Writing Intensive:

- ☐ ENGL 3230 Technical Writing

Program Requirements

Required Major Courses: (31 Credits)

- ☐ ECET 1110 Electric Circuits I
- ☐ ECET 2160 Electric Circuits II
- ☐ ECET 2215 Introduction to Instrumentation
- ☐ ECET 2535 Digital Electronics Design
- ☐ ECET 2570 Intro to Microprocessor Design
- ☐ CMSC 1240 Computer Programming I
- ☐ CMSC 2040 Object- Oriented Programming
- ☐ CMSC 3040 Data Structures
- ☐ ENGL 3230 Technical Writing

Major Elective: (3 Credits) Select one (1) from the following:

- ☐ MATH 1510 Discrete Structures
- ☐ Any ITE course
- ☐ Any ECET course with instructor approval

Elective Credits Required Towards Degree: (1 Credits)

- ☐ _____

Suggested Two Year Course Sequence

Year 1

Fall Semester

CMSC 1200 Problem Solving and Prog. Concepts
ENGL 1200 College Composition
ENGT 1100 Introduction to Engineering Technology
MATH 1220 College Algebra
Foundations: Oral Communication

Spring Semester

CMSC 1240 Computer Programming I
ECET 1110 Electric Circuits I
ENGL 3230 Technical Writing
PHIL 2100 Introduction to Ethics (ER)
ECON 2100 Principles of Microeconomics

Year 2

Fall Semester

CMSC 2040 Object-Oriented Programming
ECET 2160 Electric Circuits II
ECET 2535 Digital Electronics Design
PHYS 1500 General Physics I
PHYS 1510 General Physics I Lab

Spring Semester

CMSC 3040 Data Structures
ECET 2215 Introduction to Instrumentation
ECET 2570 Intro to Microprocessor Design
Program Elective
Information Literacy
Free Elective

