

## 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

