

General Education

Foundations: (12 Credits)

Oral Communication (3 Credits)

Written Communication (3 Credits)

ENGL 1200 College Composition

Quantitative Reasoning (3 Credits)

MATH 1220 College Algebra

Technological Literacy (3 Credits)

CMSC 1200 Problem Solving and Programming Constructs

Discoveries: (Credits 10)

Art/Humanities (3 Credits)

PHIL 2100 Introduction to Ethics

Social Sciences (3 Credits)

ECON 1000 Elements of Economics or ECON 2100 Principles of Microeconomics

Natural Sciences & Technology (4 Credits)

PHYS 1500 & PHYS 1510 General Physics I Lecture and Lab

Program Elective: (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 Electives: (3 Credits)

Choose 1 from the list below

MATH 1510 Discrete Structures

Any ITE course

Any ECET course with instructor approval

Free Electives: (1 Credit)

Suggested Four 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 1000 - Elements of Economics
or 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

