

General Education

Foundations: (12 Credits)

Oral Communication (3 Credits)

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Quantitative Reasoning (3 Credits)

- MATH 1220 College Algebra

Technological Literacy (3 Credits)

- CMSC 1200 Problem Solving and 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 1000 Elements of Economics
- ~Or~ 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

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Writing Intensive

- ENGL 3230 Technical Writing

Program Requirements

Required Major Courses: (29 Credits)

- ECET 1110 Electric Circuits I
- ECET 2160 Electric Circuits II
- ECET 2210 Linear Electronics I
- ECET 2535 Digital Electronics Design
- ECET 2570 Intro to Microprocessor Design
- CMSC 1240 Computer Programming I
- MECH 2300 Fundamentals of Programmable Logic Controllers
- ENGL 3230 Technical Writing

Major Electives: (9 Credits) Select two (2) from the following:

- Any ECET course with instructor approval
- MECH 3300 Advanced PLCs and Integration
- ROBO 1100 Agile Robotics I
- Any ITE course

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
PHYS 1500 General Physics I
PHYS 1510 General Physics I Lab

Year 2

Fall Semester

ECET 2160 Electric Circuits II
ECET 2535 Digital Electronics Design
MECH 2300 Fund. Of PLCs
Information Literacy
PHIL 2100 Introduction to Ethics (ER)

Spring Semester

ECET 2210 Linear Electronics I
ECET 2570 Intro to Microprocessor Design
Program Elective
Program Elective
ECON 1000 Elements of Economics
~Or~ ECON 2100 Principles of Microeconomics

