

General Education

Foundations: (12 Credits)

Oral Communication: (3 Credits)

- ☐ _____

Quantitative Reasoning: (3 Credits)

- ☐ MATH 1220 College Algebra

Technological Literacy: (3 Credits)

- ☐ CMSC 1380 Introduction to Programming with Python

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:

- ☐ MECH 3100 Principles of Automatic Control

Ethical Reasoning:

- ☐ PHIL 2100 Introduction to Ethics

Information Literacy:

- ☐ _____

Writing Intensive:

- ☐ MECH 3100 Principles of Automatic Control

Program Requirements

Required Major Courses: (32 Credits)

- ☐ ENGL 3230 Technical Writing
- ☐ ECET 1110 Electric Circuits I
- ☐ ECET 2160 Electric Circuits II
- ☐ MECH 2000 Manufacturing Processes
- ☐ MECH 3100 Principles of Automatic Control
- ☐ MECH 2400 Engineering Graphics & Computer Aided Design
- ☐ ROBO 1100 Agile Robotics I
- ☐ ROBO 1200 Agile Robotics II
- ☐ ROBO 2100 Robotic Teaming
- ☐ ROBO 2900 Robotics System Project

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

- ☐ Any ITE Course
- ☐ ECET 2210 Linear Electronics I
- ☐ ECET 2215 Introduction to Instrumentation
- ☐ ECET 2535 Digital Electronics Design
- ☐ MATH 1230 Trigonometry
- ☐ MECH 3325 Fundamentals of Programmable Logic Controllers

Suggested Two Year Course Sequence

Year 1

Fall Semester

CMSC 1380 Introduction to Programming in Python
ENGT 1100 Introduction to Engineering Technology
ENGL 1200 College Composition
ROBO 1100 Agile Robotics I

Spring Semester

ECET 1110 Electrical Circuits I
ENGL 3230 Technical Writing
MECH 2400 Engineering Graphics and Computer Aided Design
ROBO 1200 Agile Robotics II
Foundations: Oral Communication

Year 2

Fall Semester

ECET 2160 Electric Circuits II
MECH 2000 Manufacturing Processes
PHYS 1500 General Physics I
PHYS 1510 General Physics I Lab
ROBO 2100 Robotics Training

Spring Semester

ECON 2100 Principles of Microeconomics
MECH 3100 Principles of Automatic Control
PHIL 2100 Introduction to Ethics
ROBO 2900 Robotics Systems Project
Program Elective

