Total number of units: 5 units Top Code/Academic Plan: 0708.10 Updated on 9/30/2021

Semester 1	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	MIT 220	Introduction to Robotics	3		Mostly offered as a dual enrollment course with parter high schools.

### Total Units 3

Semester 2	Course Code	Course	Units	Notes	Notes for Part-time students
Program Course	EET 123	Introduction to Arduino	2		Course Offering: Off-site. Check with department for course offering.

#### Total Units 2

# **Degree Path and Requirements:**

This map is a suggested term-by-term sequence of courses to complete the program in a recommended time frame. This is an efficient and recommended plan, but actual plans may vary by individual student need. This map cannot replace a meeting with <u>counselors</u>.

### **Department Advising Notes:**

We recommend that students meet with an academic counselor as well as with a career counselor before deciding on which elective courses to take for this degree. Please take note of the prerequisite courses that are required for the courses in this degree.

#### Program Description

What is Arduino? Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online. You can tell your board what to do by sending a set of instructions to the microcontroller on the board. To do so you use the Arduino programming language (based on Wiring), and the Arduino Software (IDE), based on Processing.

#### **Career and Transfer Opportunities**

Visit the <u>Transfer Center</u> for transfer information, which varies based on transfer college. Make an appointment with a <u>counselor</u>. Students can visit <u>Career and Job Services</u> for career counseling and further exploration.

## **Youtube Videos**

3 Creative ideas with Arduino

### **Program Map**

A suggested sequence of classes to complete a degree, certificate, or program of study. Students should consult an academic counselor for variations to this plan based on part-time or full-time status, transfer plans, pre-requisites needed, etc.

## **Prerequisite Course**

A specific course that must be completed before advancing to the next course.

Check the online catalog at elac.edu for the latest and most accurate information.

# Contact

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