Course Objectives/Course Outline
Spokane Community College

Course Title: ELECTRONICS APPLICATIONS – CAPSTONE PROJECT
Prefix and Course Number: ELECT 272

Learning/Performance Expectations (e.g., outcomes, performance objectives, competencies, etc.)

AT THE COMPLETION OF THIS COURSE, A STUDENT SHOULD BE ABLE TO:

- Describe an area of special interest
- Research an electronics application
- Design and build a capstone project
- Demonstrate the capstone project

COURSE OUTLINE:

In this hands-on, project based capstone, students identify an area of special interest (for example, robotics, photonics, Internet of Things), research, and build a project. The final projects will be presented to the class. Projects could incorporate devices like Raspberry Pi or Arduino. Students could learn to make their own Printed Circuit Board.

I.   Course Overview

II.   Identify an area of special interest

III.   Research and build a capstone project

IV.   Demonstrate the capstone project to the class