

# ECE 2170: Fundamentals of CPE

The fundamentals of computer operation will be explored with emphasis on how to interface with a general-purpose processor. An ARM processor will be utilized to demonstrate memory mapped I/O, assembly programming, interrupts, serial communication, and peripheral utilization.

**Credits:** 3.0

**Prerequisites:**

ECE 1260

ECE 1260

**Co-Requisites:**

ECE 2171

ECE 2171

**Program:** Electrical and Computer Engineering