EIT - ELECTRICAL INSTRUMENTATION TECHNOLOGY

EIT 437 - Introduction to Control Systems   **Units: 4**

A continuation of ELM 233, this course provides a in-depth look into Supervisory Control and Data Access (SCADA) systems, Distributed Control systems (DCS), and Programmable Control systems (PLC). Students will discuss and apply the hardware, software, and telemetry systems involved with these control mechanisms.

Enrollment Requirements: Prerequisite: Admissions to the Bachelor of Applied Science Cyber-Physical Manufacturing program and ELM 233 or Instructor approval.

EIT 468 - Advanced Control Systems   **Units: 3**

The course is a continuation of ELM 134 and will provide students a more in-depth knowledge of programmable logic controllers (PLC's) and programming functions. The course is designed to provide the student with advanced PLC functions used for data manipulation using the two leading PLC operating systems and software; Rockwell and Siemens.

Enrollment Requirements: Prerequisite: ELM 134