

## Common Course Numbering System

Your current Institution is CCCS

### Searching Current Courses For Summer 2015

**Course:** EIC 225

**Title:** Programmable Controllers

**Long Title:** Programmable Controllers

**Course Description:** Studies the use of solid-state control equipment, primarily the programmable controller and associated solid-state sensors to control equipment, machinery or complete processes. Includes concepts of solid-state logic, characteristics of solid-state sensors; conversions of relay logic control systems to programmable control systems; and microprocessor-based systems and remote control of processes. Enables the student to design, implement and test control systems in the laboratory to meet specifically-assigned control problems. Emphasizes accuracy, safety and National Electrical Code requirements.

**Min Credit:** 4

**Max Credit:**

**Origin Notes:**

RRCC

#### STANDARD COMPETENCIES:

- I. Explore logic controllers and examine programming systems
- II. Develop a programmable logic controllers system
- III. Program logic controllers system expansion, including retrofitting & maintenance

#### TOPICAL OUTLINE:

- I. Introduction to programmable logic controllers
- II. Examining and programming the systems
- III. Input and output devices
- IV. Developing a programmable logic controller system
- V. Maintaining a programmable logic controller system
- VI. System expansion and retrofitting
- VII. System integration

**Course Offered At:**

**Red Rocks Community College RRCC**

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