

## EEM — Electronics Technology

### **EEM 105 Basic Electricity**

**2-0-2**

This course is a survey of basic electrical principles, circuits, and measurements.

### **EEM 117 AC/DC Circuits I**

**2-6-4**

This course is a study of direct and alternating theory, Ohm's Law, series, parallel, and combination circuits. Circuits are constructed and tested.

### **EEM 121 Electrical Measurements**

**1-6-3**

**Prerequisites:** EEM 117 and EEM 140

This course covers the basic principles of electrical measuring instruments and how they are used in industries.

### **EEM 140 National Electrical Code**

**3-0-3**

This course is a study of the national electrical code and is based on the latest codes as published by the national fire protection association (NFPA).

### **EEM 145 Control Circuits**

**3-0-3**

**Prerequisites:** EEM 117 and EEM 140

This course covers the principles and applications of component circuits and methods of motor control.

### **EEM 165 Residential/Commercial Wiring**

**2-6-4**

This course is a study of wiring methods and practices used in residential and commercial applications.

### **EEM 170 Electrical Installation**

**1-6-3**

**Prerequisites:** EEM 117 and EEM 140

This course covers electrical wiring techniques commonly used in commercial, industrial, and residential wiring.

### **EEM 172 Electrical Print Reading**

**4-0-4**

This course is a study of electrical prints as they pertain to layout, planning, and installation of wiring systems in residential, commercial and/or industrial complexes.

### **EEM 204 SCWE in Residential/Comm Elec**

**0-12-3**

**Prerequisites:** EEM 165

This course integrates residential/commercial electrical skills with an approved job environment related to the residential/commercial industry.

### **EEM 235 Power Systems**

**3-0-3**

**Prerequisites:** EEM 117 and EEM 140

This course is a study of the design, operation, and installation of power distribution applications. Load analysis rate and power economics are covered.