

## 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 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.