

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.