

ELCT - ELECTRICAL TECHNOLOGY

ELCT 130 Electric Motors and Generators. 3 Credits

Prerequisite(s): ETEC 101.

Introduces terminology and basic principles of DC and AC motors and generators. Students will study single-phase and three-phase motors and generators and operational controls. Common AC and DC power generation equipment and testing techniques will also be covered.

Lecture Hours 3

Department: Transportation - COT

ELCT 241 Electric Motor Controls. 3 Credits

Term Typically Offered: Fall

Orients students to the study of electromechanical control system concepts. Experiments are designed to illustrate the principles, applications, connection, and installation procedures of electrical controllers. Special emphasis is placed on the analysis and development of control circuits.

Lecture Hours 3

Department: Transportation - COT

ELCT 250 Programmable Logic Controllers. 3 Credits

Prerequisite(s): ETEC 103.

Introduces a variety of programmable logic controllers (PLCs). The application, operation, and programming of PLCs will be covered, with an emphasis on programming. Computers and manual methods will be used to program PLCs.

Lecture Hours 3

Department: Transportation - COT