

Electrical Systems Technology

(MacArthur HS)

Course: **ADVANCED ELECTRICAL TECHNOLOGY**

Course Description: Students gain advanced knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance technician or supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services and electric lighting installation. Student must pass safety test with 100% mastery

NEISD # **8155**

Credit: 2.0

Term: Full Year

Grade Placement: 11-12

Prerequisites: Electrical Technology

Special Notes:

Course: **ELECTRICAL TECHNOLOGY**

Course Description: Students gain knowledge and skills specific to those needed to enter the work force as an electrician or building maintenance supervisor or prepare for a postsecondary degree in construction. Students acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment and the reading of electrical drawings, schematics and specifications. Student must pass safety test with 100% mastery.

NEISD # **8154**

Credit: 1.0

Term: Full Year

Grade Placement: 10-12

Prerequisites:

Special Notes:

Course: **PRACTICUM IN CONSTRUCTION MANAGEMENT**

Course Description: Practicum in Construction Management is an occupationally specific course designed to provide classroom technical instruction or on-the-job training experiences. Safety and career opportunities are included in addition to work ethics and job-related study in the classroom. Student must pass safety test with 100% mastery.

NEISD # **8248**

Credit: 2.0

Term: Full Year

Grade Placement: 12

Completion of a coherent sequence in a program area related to the field of Construction

Prerequisites: Management.

Special Notes: *Student must provide their own transportation.*