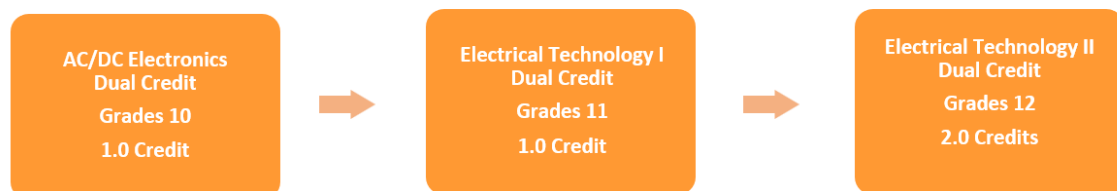


Business & Industry Pathway – Electrical Technology



Electrical Technology Courses are only offered at Klein Forest High School.

Courses that are inclusive for any Pathway or Endorsement are BIM I, Professional Communications, Touch System Data Entry and Career Preparation

Recommended Sequence
 Required Sequence

AC/DC ELECTRONICS – DUAL CREDIT

KISD #: 9640dc18 **PEIMS:** 13036800
Grades: 10 **1.0 Credit**
Prerequisite: **Approval Process**

AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Students will use a variety of computer hardware and software applications to complete assignments and projects.

Required Fee/Materials: Yes
Advanced Grade Points: Yes
Dual Credit Correlation: ELPT 1321, ELPT 1311
Note: Offered at Klein Forest High School

ELECTRICAL TECHNOLOGY I DUAL CREDIT

KISD #: 9605DC18 **PEIMS:** 13005600
Grades: 11 **1.0 Credit**
Prerequisite: AC/DC Electronics Dual Credit
Recommended Prerequisite: Strong Math and Reading skills

Students will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. Students will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Required Fee/Materials: Yes
Advanced Grade Points: Yes
Hybrid: Yes
Dual Credit Correlation: ELPT 1325, ELPT 1329, ELPT 1315
Note: Offered at Klein Forest High School

ELECTRICAL TECHNOLOGY II DUAL CREDIT

KISD #: 9606DC18 **PEIMS:** 13005700
Grades: 12 **2.0 Credits**
Prerequisite: Electrical Technology I Dual Credit

Recommended Prerequisite: Strong Math and Reading skills

Students will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. Students will 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. Students will complete coursework at Lone Star College-Creekside.

Required Fee/Materials: Yes
Advanced Grade Points: Yes
Hybrid: Yes
Dual Credit Correlation: ELPT 2325, ELPT 1345, DFTG 2307
Note: Offered at Klein Forest High School
Pathway College Credential: Electrical Technology Level I Certificate Lone Star College