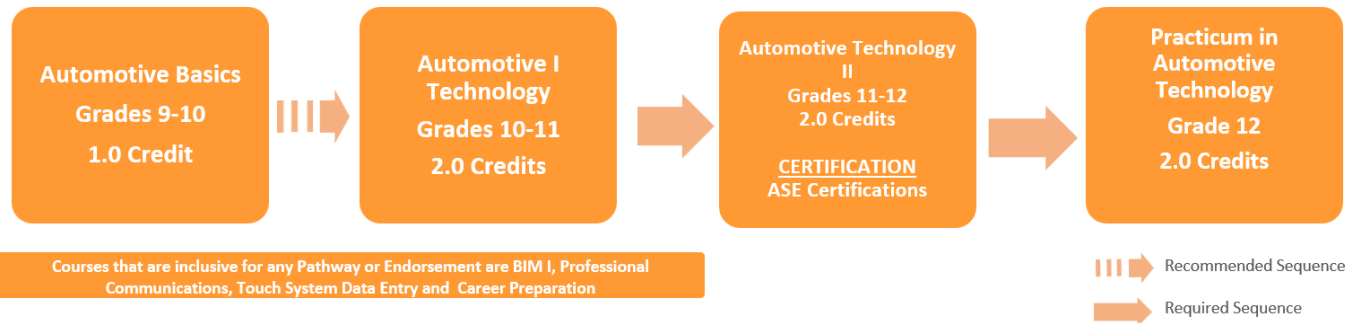


## Business & Industry Pathway – Automotive Technology



### AUTOMOTIVE BASICS

**KISD #:** 961118      **PEIMS:** 13039550  
**Grades:** 9-10      **1.0 Credit**  
**Prerequisite:** None

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

**Required Fee/Materials:** Yes

### AUTOMOTIVE TECHNOLOGY I

**KISD #:** 961218      **PEIMS:** 13039600  
**Grades:** 10-11      **2.0 Credits**  
**Prerequisite:** None  
**Recommended Prerequisite:** Automotive Basics  
**Note:** 12<sup>th</sup> graders will be accepted if space is available

This sequential two-year program is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will be taught basic fundamentals and operation of all major automotive systems. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (1) Brakes, (2) Steering and Suspension, (3) Electrical and Electronic Systems, and (4) Engine Performance. Special emphasis is placed on professional work ethics and safety.

**Required Fee/Materials:** Yes

### AUTOMOTIVE TECHNOLOGY I DUAL CREDIT

**KISD #:** 9612DC18      **PEIMS:** 13039600  
**Grades:** 10-11      **2.0 Credits**  
**Prerequisite:** None  
**Recommended Prerequisite:** Automotive Basics  
**Note:** 12<sup>th</sup> graders will be accepted if space is available

This sequential two-year program is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will be taught basic fundamentals and operation of all major automotive systems. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (1) Brakes, (2) Steering and Suspension, (3) Electrical and Electronic Systems, and (4) Engine Performance. Special emphasis is placed on professional work ethics and safety.

**Required Fee/Materials:** Yes  
**Dual Credit Correlation:** AUMT 1405, AUMT 1407

### AUTOMOTIVE TECHNOLOGY II

**KISD #:** 961418      **PEIMS:** 13039700  
**Grades:** 11-12      **2.0 Credits**  
**Prerequisite:** Automotive Technology I

This course is a continuation of Automotive Technology and is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (a) Brakes, (b) Steering and Suspension, (c) Electrical and Electronic Systems, and (d) Engine Performance. Special emphasis is placed on professional work ethics and safety.

**Required Fee/Materials:** Yes  
**Industry Certification:** ASE Student Certifications

**AUTOMOTIVE TECHNOLOGY II DUAL CREDIT****KISD #:** 9614DC18**PEIMS:** 13039700**Grades:** 11-12**2.0 Credits****Prerequisite:****Automotive Technology I**

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This course is a continuation of Automotive Technology and is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (a) Brakes, (b) Steering and Suspension, (c) Electrical and Electronic Systems, and (d) Engine Performance. Special emphasis is placed on professional work ethics and safety.

**Required Fee/Materials:** Yes**Industry Certification:** ASE Certification**Dual Credit Correlation:** AUMT 1410, AUMT 1416**Pathway College Credential:** Service Technician Level I Certificate from Lone Star College**PRACTICUM IN AUTOMOTIVE TECHNOLOGY****KISD #:** 961918**PEIMS:** 13040450**Grades:** 12**2.0 Credits****Prerequisite:****Automotive Technology II**

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Students will participate in a course designed to provide job-specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in Automotive Technology. Students will be challenged with the application of gained knowledge and skills from Automotive Technology I and II.

**Required Fee/Materials:** Yes**Industry Certification:** ASE Certification