8419 Automotive Basics
Credit: 1
Prerequisite: None
Are you interested in exploring a career in the high-paying automotive industry? If so, begin your journey with this course that provides a basic understanding of safety, automotive careers, automotive systems and the Automotive Service Excellence (ASE) technician's certification process. Students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Completion of S/P2 safety certification is required during the first grading period to participate and advance in this course.

8420 Automotive Technology I: Maintenance & Light Repair
Credit: 2
Prerequisite: Energy and Power of Transportation Systems; Automotive Basics for 2020-21; Student must complete an interest form for enrollment and attend information meeting with instructor. This is the second course in the sequence and allows students the opportunity to practice safety, theory, diagnosis and repair in the areas of brakes, steering and suspension, electrical, and engine performance. The course is one step in preparing students for college and automotive manufacturer's training and automotive industry certification that is taught by an ASE certified instructor. Job shadowing may be included. Be prepared to and possibly participate in the Automotive Service Excellence certification exam in Brakes, Suspension and Steering, Electrical/Electronic Systems and Engine Performance. If the student is involved in a job shadowing experience, transportation to and from the training site is the responsibility of the student. Course taught at LCHS only, but available to students at all LCISD high schools. Enrollment is limited. Transportation provided to and from class. Completion of S/P2 safety certification is required to participate and advance in this course.

Diesel Equipment Technology I - Dual with TSTC Diesel Equipment Technology Pathway
8450AD (Fall)
8450BD (Spring)
Credit: 2
Prerequisite: Automotive Technology I: Maintenance & Light Repair and College/University Requirements; Recommended: Automotive Technology II: Automotive Service.
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Diesel Equipment Technology. Successful completion will result in TSTC credit. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Course will take place at the TSTC campus. Transportation provided. This course is not eligible for semester exam exemptions.

Diesel Equipment Technology II - Dual with TSTC Diesel Equipment Technology Pathway
8460AD (Fall)
8460BD (Spring)
Credit: 2
Prerequisite: Diesel Mechanics I, College/University Requirements;
Student must complete TSTC online application; provide Permit to Register, transcripts, shot record; and attend a meeting with TSTC Academic Advisor. Student must comply with TSTC uniform policy regarding appropriate shop attire. This course is taken as part of TSTC dual credit pathway for Diesel Equipment Technology. Successful completion will result in TSTC credit. Industry certification testing is offered to all students meeting testing requirement; see teacher for details. Course will take place at the TSTC campus. Transportation provided. This course is not eligible for semester exam exemptions.