**8410 Energy and Power of Transportation Systems**

**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 is taught by an ASE Certified Instructor. The course provides a basic understanding of safety, automotive careers, automotive systems and the Automotive Service Excellence (ASE) technician’s certification process.

**8420 Automotive Technology I: Maintenance & Light Repair**

**Credit: 2**

**Prerequisite: Energy and Power of Transportation Systems; 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.

**8430C Automotive Technology II: Automotive Service Credit: 2**

**Prerequisite: Automotive Technology I: Maintenance & Light Repair; Information Sheet must be completed and an information meeting held with instructor.**

This course is designed for students who are planning a career in the automotive industry. This course allows students the opportunities to practice advanced theory, diagnosis and repair in the areas of brakes, steering and suspension, electrical, and engine performance. Students will solve automotive problems and prepare for postsecondary training and/or automotive industry certification and is taught by an ASE certified instructor. Students will be prepared to and possibly participate in the Automotive Service Excellence-ASE 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. Transportation provided. Enrollment is limited. This course can earn college credit based on Articulation agreements, which are subject to change.

**Automotive Technology I: Maintenance & Light Repair – Dual 8420AD (Fall) 8420BD (Spring)**

**Credit: 2**

**Prerequisite: Energy and Power of Transportation Systems; See College for requirements.**

Course offered in conjunction with TSTC, see above for course description. Course taught at LCHS only, but available to students at all LCISD high schools. Enrollment is limited. Refer to the section describing Dual/Concurrent College Courses in the “High School Overview” page of this catalog. Student must complete TSTC orientation process. This course is taken as part of the TSTC dual credit pathway for Diesel Equipment Technology.

**Automotive Technology II: Automotive Service - Dual 8430AD (Fall) 8430BD (Spring)**

**Credit: 2**

**Prerequisite: Automotive Technology I: Maintenance & Light Repair Dual; See College for requirements.**

Course taught at LCHS only, but available to students at all LCISD high schools. Enrollment is limited. Refer to the section describing Dual/Concurrent College Courses in the “High School Overview” page of this catalog. Student must complete TSTC orientation process. This course is taken as part of the TSTC dual credit pathway for Diesel Equipment Technology.

**Diesel Equipment Technology I – Dual 8450AD (Fall) 8450CD (Fall) 8450BD (Spring) 8450DD (Spring)**

**Credit: 2**

**Prerequisite: Automotive Technology I: Maintenance & Light Repair and College/University Requirements; Recommended : Automotive Technology II: Automotive Service . Student must attend and complete an interest form for enrollment and attend a meeting with TSTC instructor. See College for requirements.**

Course offered in conjunction with TSTC, see above for course description. This course is taken as part of TSTC dual credit pathway for Diesel Equipment Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. Transportation provided. Student must complete TSTC orientation process. Diesel Equipment Technology II – Dual 8460AD (Fall) 8460CD (Fall) 8460BD (Spring) 8460DD (Spring) Credit: 2 Prerequisite: Diesel Mechanics I, College/University Requirements Student must attend and complete an interest form for enrollment and attend a meeting with TSTC instructor. See College for requirements. Course offered in conjunction with TSTC, see above for course description. This course is taken as art of TSTC dual credit pathway for Diesel Equipment Technology. Successful completion will result in TSTC credit. Course will take place at the TSTC campus. transportation provided. Student must complete TSTC orientation process.