

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. Completion of SP2 safety certification is required to participate and advance in this course.

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. Completion of SP2 safety certification is required to participate and advance in this course.

Automotive Technology I: Maintenance & Light Repair – Dual

8420AD (Fall)

8420WD (Fall) for Cohort 2022

8420BD (Spring)

8420XD (Spring) for Cohort 2022

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. Student must

complete TSTC orientation process. Student must complete TSTC online application; provide Permit to Register, and transcripts. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of the TSTC dual credit pathway for Diesel Equipment Technology. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions. Completion of SP2 safety certification is required to participate and advance in this course.

8430C Automotive Technology II: Automotive Service

Credit: 2

Prerequisite: Automotive Technology I: Student must complete an interest form for enrollment and attend a meeting with the 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 post-secondary 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. Completion of SP2 safety certification is required to participate and advance in this course.

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 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. Student must complete TSTC orientation process. Student must complete TSTC online application; provide Permit to

Register, and transcripts. See TSTC for additional enrollment and orientation process requirements. This course is taken as part of the TSTC dual credit pathway for Diesel Equipment Technology. *Not all Dual Credit courses are offered at all campuses. This course is not eligible for semester exam exemptions. Completion of SP2 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.