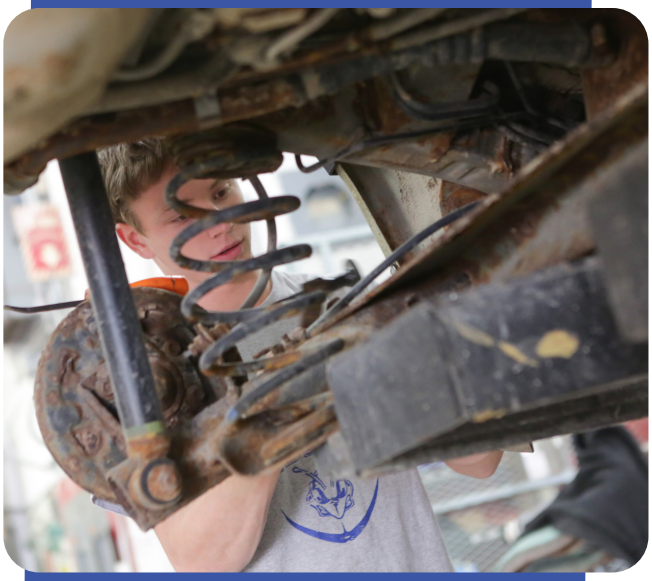

BURLINGTON TECHNICAL CENTER

AUTOMOTIVE SCIENCE & TECHNOLOGY

Year 1: 2.0 Elective Credits, 0.5 Science Credit, 0.5 English Credit
Year 2: 2.0 Elective Credits, 0.5 Science Credit, 0.5 English Credit

OCCUPATIONS

Automotive Service Technician
Automotive Service Advisor
Automotive Sales Associate
Automotive Parts Manager
Heavy Equipment Service Technician
Heating & Ventilating Technician
Industrial Machine Technician
Plumber
Electrician
Electrical/Mechanical Engineer
Entrepreneur, small business owner
Service Advisor
Small Engine Technician

ABOUT THE PROGRAM

Automotive Science and Technology is a two-year program that meets for over two hours per day, five days per week. The rigorous curriculum is designed to prepare students for college and career opportunities. Common Core and National Science standards are an integral part of the automotive curriculum; subsequently, students study scientific principles as they're applied to the design operation, and service of a modern automobile.
Students will learn how engines work, troubleshoot common engine problems and fuel system issues, and analyze and complete vehicle manufacture repair algorithms. Students disassemble a modern vehicle engine, use micrometers and dial indicators to measure engine components, build and test electrical circuits, complete basic vehicle maintenance procedures, and operate machinery associated with lifting a car, changing/balancing tires and performing wheel alignments.

CREDENTIALS, CERTIFICATIONS, WORK-BASED LEARNING AND LEADERSHIP OPPORTUNITIES

Industry Recognized Credentials: Tire Industry Association Automotive Tire Service
Certifications: Valvoline Motor Oil Basics, SP2: Mechanical Safety, Mechanical Pollution Prevention, Ethics and you in the Automotive Industry, Land That Job: Interview Skills for Automotive Students; ASE: Automotive Service E-Learning, Student Certification.
CTSO: National Technical Honor Society
College credits: Qualified students may be eligible to earn college credits at the following institutions: Lakes Region Community College, NH; Lincoln Technical Institute, CT; and University of Northwestern Ohio.

PROGRAM OUTCOMES

While a large percentage of graduates pursue further education and careers associated with the automotive industry, others have utilized the electro-mechanical knowledge and skills acquired in the program to begin successful careers in related areas.

BURLINGTON TECHNICAL CENTER

NOTES:

Equal Employment Opportunity and Non-Discrimination Statement

Applicants for admission and employment, students, parents, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreements with the Burlington School District are hereby notified that it is the intent of the Burlington Board of School Commissioners that the District will not discriminate against employees and/or applicants for employment, students or other designated beneficiaries of the statutes listed below on the basis of race, sex, gender (including but not limited to pregnancy and parental status), color, age, creed, religion, disability, handicap, ancestry, place of birth, national origin, marital status, political affiliation, sexual orientation, gender identity or gender expression in any of its employment and education practices, policies, procedures or decisions or in the operation of, access to, participation in, benefit of or admission to its programs, activities, services and facilities and that it will provide equal access to the Boy Scouts of America and other designated youth groups in compliance with and to the extent provided by the laws listed below.

Burlington Technical Center and Burlington School District offer additional services to students with limited English language skills, and those with disabilities, to ensure they have access to these programs. Individuals wishing to obtain information about the existence and location of accessible services and facilities should contact the 504 Coordinator (information below).

The following persons have been designated to handle inquiries regarding the non-discrimination policies:
Title IX Coordinator, Henri Sparks, Director of Equity and 504 Coordinator, Kellie Klason, director of Student Support Services