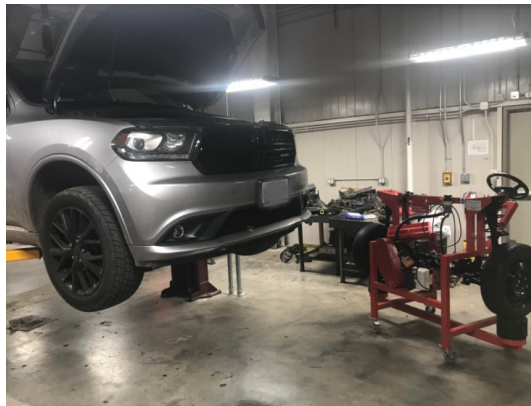## Program Course Sequence

Junior Year, First Semester
  Electrical/Electronics & HVAC

Junior Year, Second Semester
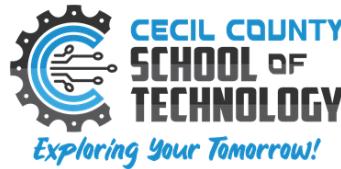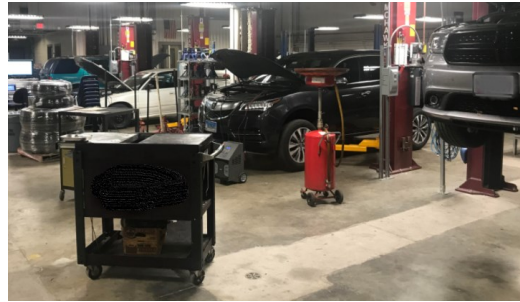 Suspension & Steering, and Brakes

Senior Year, All Year
  MLR Powertrain & Engine Repair/
  Performance

Students earning a final grade of B or higher in all courses in the program sequence may receive articulated college credit. Please refer to the Articulation Agreement Chart for a list of program specific institutions.
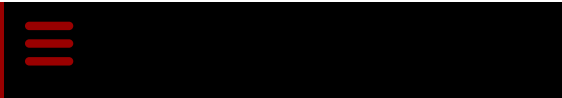

Students will take the following certification exams:

- **ESCO 609 Refrigerant Recovery & Recycling**
- **ASE Educational Foundation**

Expect Success at CCST
Certifications, Citizenship, Skills & Technology

Cecil County Public Schools does not discriminate in admissions, access, treatment or employment in its programs and activities on the basis of race, color, gender, age, national origin, religion, sexual orientation, or disabling condition.

Revised 12/2023

AUTOMOTIVE

TECHNOLOGY

**Cecil County
School of Technology
912 Appleton Road
Elkton, MD 21921
Phone: 410.392.8879
Fax: 410.392.8884
Guidance Office: 410.392.8880**

Career & Technical Education

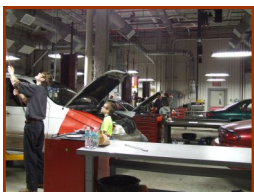The Automotive Technology program is only offered at the Cecil County School of Technology (CCST).

Students from the five county high schools have the opportunity to begin this program during their junior year by a designated application process.

Students complete the program during their senior year. Students are encouraged to develop positive work attitudes while building individual skills for success.

Academic Skills of reading, writing and math are heavily utilized and reinforced. Professional behaviors and interpersonal courtesy are expected.

Transportation is provided from the home school to and from CCST.

Program fees include the cost of trade appropriate clothing, tools, and license/certification tests.

Automotive Technology

This program will cover the following:

- Advanced Ignition Systems
- Advanced Safety Systems
- Advanced Wheel Alignment
- Air Conditioning Service
- Auto Maintenance Service Skills
- Basic Automotive Electricity
- Brake Systems & Servicing
- Electronic Engine Controls
- Electronic Fuel Injection
- Emission Control Systems
- Engine Diagnosis & Testing
- Engine Performance Testing
- Fundamental Shop **Safety**
- Proper Use of Mechanics Tools
- Suspension & Steering Systems

Prerequisite: Algebra I
Approximate cost: $185 for uniforms and boots, $300 for materials, and $90 for certification exams
Also required: Safety glasses, and Mechanics belt

Automotive Technology

This program prepares students to diagnose, maintain, and service automobiles and light trucks. Instruction includes: diagnostics of engines; fuel, electrical, and computerized electronic systems; emission control; ignition; cooling and brake systems; drivelines, and suspension systems. Instruction is given in the adjustment and repair of individualcomponents in the fuel injection, ignition starting, charging, air conditioning, body electrical, emissions systems and in-car engine repair Wheel alignment and vehicle safety systems are also studied and serviced. Time spent in this program is credited toward the experience requirement for end of program ASE testing as well as ASE certification preparation. Academic skills of reading, writing, and math are heavily utilized and reinforced. Professional behaviors and interpersonal courtesy standards are also expected.

Graduates of this program will be prepared as an entry level technician in the automotive repair industry.