The Automotive Technology program prepares students to become a motor vehicle technician who can use the latest diagnostic equipment to assess a vehicle’s problems and then make the needed repairs. Qualified students can earn up to 19 college credits through the Community College of Baltimore County. The National Automotive Technicians Education Foundation has certified the Auto Service Technology program for Automotive Service Excellence.

**Major Units of Study**
- Basic shop skills
- Brake systems
- Electrical/electronic systems
- Emission systems
- Engine performance/repair
- Preventative maintenance
- State Inspection
- Steering/suspension systems

**Related Careers**
- Automotive Technician
- Automotive sales
- Brake systems technician
- Electrical/Electronic systems technician
- Suspension & steering system technician

**Post-Secondary**
- Articulation with the Community College of Baltimore County
- ASE Certification
- College
- Military services
- Specialty training schools
- Technical schools

**Certifications**
Automotive Service Excellence (ASE) certifications for students include:
- Brakes
- Electronics Systems
- Engine Performance
- Suspensions & Steering

Visit the Carroll County Career and Technology Center website:
http://www.carrollk12.org/ctc
## Completer Program Requirements

<table>
<thead>
<tr>
<th>Grade</th>
<th>9</th>
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<tbody>
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<td>English 9 (1)</td>
<td>English 10 (1)</td>
<td>English 11 (1)</td>
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<td>US History (1)</td>
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<td>Chemistry (1)</td>
<td>Biology (1)</td>
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<td>Algebra I / Data Analysis (1)</td>
<td>Intermediate Algebra / Data Analysis (1)</td>
<td>Geometry (1)</td>
<td>Algebra II / Data Analysis (1)</td>
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<td>PE (.5) / Health (.5)</td>
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<td>PE (.5) / Financial Literacy (.5)</td>
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<td>Fine Arts (1)</td>
<td>Foundations of Technology (1)</td>
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<tr>
<td></td>
<td>World Language (1)</td>
<td>World Language (1)</td>
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</table>

Exact scheduling depends on student’s plan and school’s master schedule.

### Career Specific Electives

- Advanced Design Applications (1)
- Technological Design (1)
- Math Elective beyond Alg. II/DA (.5-1)
- Science Elective (.5-1)
- Agricultural Mechanical Technology (1)
- Chemistry I or Honors Chemistry I (1)
- Business Communication & Keyboarding (1)
- Public Speaking (.5)
- Trigonometry & Pre-Calculus or Honors Trigonometry & Pre-Calculus (1)
- Technological Issues & Impacts (1)
- Work-Based Learning Experience (.5-1)

8 credits possible per year

### Value Added:

<table>
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<tr>
<th>From:</th>
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<th>Up to 15 Articulated Credits</th>
<th>Up to 15 Articulated Credits</th>
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<td>University of</td>
<td>Northwestern Ohio Automotive Technology</td>
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</table>

### End of Program Test:

- NA3SA Exams in Brakes, Electrical/Electronic Systems, Engine Performance, and Suspension/Steering
- National Automotive Student Skills Standards Assessment (NA3SA)

At the completion of each section during Auto Service Technology I & II

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**ADA STATEMENT**

The Board of Education of Carroll County does not discriminate on the basis of disability in employment or provision of services, programs or activities. Information concerning the Americans with Disabilities Act is available from the Director of Facilities, 410-751-3177. Persons needing auxiliary aids and services for communication should contact the Office of Community and Media Relations at 410-751-3020 or publicinfo@carrollk12.org, or write to Carroll County Public Schools, 125 North Court Street, Westminster, Maryland 21157. Persons who are deaf, hard of hearing, or have a speech disability, use Relay or 7-1-1. Please contact the school system at least one (1) week in advance of the date the special accommodation is needed.