

Carroll County Career & Technology Center



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: *Auto Service Technology* CREDITS: 6

- Guideline for Course Selections
- Refer to Graduation Requirements in the Program of Studies for specific course requirements in each content area

Grade →	9	10	11	12
Exact scheduling depends on student's plan and school's master schedule.	English 9 (1)	English 10 (1)	English 11 (1)	English 12 (1)
	US Government (1)	US History (1)	World History (1)	
	Conceptual Physics (1)	Chemistry (1)	Biology (1)	
	Algebra I / Data Analysis (1)	Intermediate Algebra / Data Analysis (1)	Geometry (1)	Algebra II / Data Analysis (1)
	PE (.5) / Health (.5)		PE (.5) / Financial Literacy (.5)	
	Fine Arts (1)	Foundations of Technology (1)		
	World Language (1)	World Language (1)		
Completer Program Requirements			Auto Service Technology I (3)	Auto Service Technology II (3)
Career Specific Electives (may be taken any year offered after prerequisites have been satisfied)	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:	Up to 15 Articulated Credits	Up to 15 Articulated Credits	Up to 12 Articulated Credits	
From:	Community College of Baltimore County, Catonsville	Penn College of Technology	University of Northwestern Ohio	
Program:	Automotive Technology	Automotive Technology	Automotive Technology	
End of Program Test:	NA3SA Exams in Brakes, Electrical/Electronic Systems, Engine Performance, and Suspension/Steering			
Industry:	National Automotive Student Skills Standards Assessment (NA3SA)			
Taken:	At the completion of each section during Auto Service Technology I & II			

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.