

AUTOMOTIVE SERVICE
CAREER PATHWAY

Tire Repairers & Changers • Engine & Other Machine Assemblers • Parts Salesperson • Automotive Service Technicians & Mechanics • Training & Development Specialists • First-Line Supervisors of Mechanics • Installers & Repairers • Administrative Services Managers

	CAREER TECHNICAL COURSE NAME & SUBJECT CODE	RECOMMENDED ACADEMICS
7		
8		
9		
10		
11	Collision Electrical & Mechanical Systems Automotive Braking Systems Ground Transportation Electrical/Electronics	
12	Automotive Steering & Suspension Systems Transportation Capstone	

INDUSTRY CREDENTIAL OPPORTUNITIES

Automotive Service Excellence (ASE) Student Certifications

- Automotive Maintenance & Light Repair - **4 Points**
- Automotive Brakes - **4 Points**
- Automotive Electrical/Electronics - **4 Points**
- Automotive Steering and Suspension - **4 Points**

- Lean Six Sigma Yellow Belt - **3 Points**
- Lean Six Sigma Green Belt - **6 Points**
- Leadership Excellence - Student - **3 Points**
- OSHA - 10-Hour Training* - **1 Point**
  (College Credit - CTS001 - 1 Credit Hour)
- CPR / First Aid - **1 Point**
- Ohio Driver's License - **1 Point**

POSTSECONDARY OPPORTUNITIES

*Indicates statewide articulated credit. Please reference course descriptions for semester hours and agreement number on the postsecondary articulated credits. Additional college credit may be available through bi-lateral agreements. Please see a school counselor for details on available bi-lateral agreements.

BHCC ADULT EDUCATION	HOURS

POTENTIAL PLACEMENT & INCOME –

**May 2025 State Occupational Employment and Wage Estimates for Ohio*

Parts Salesperson	**$40,250**
Tire Repairers & Changers	**$42,410**
Automotive Service Technician & Mechanics	**$54,590**
Engine & Other Machine Assemblers	**$68,470**
Training & Development Specialists	**$69,600**
First-Line Supervisors of Mechanics, Installers & Repairers	**$80,750**
Administrative Services Managers	**$111,480**

BUCKEYE HILLS CAREER CENTER

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AUTOMOTIVE SERVICE CAREER PATHWAY

SUBJECT CODE **177009**

11th GRADE

COLLISION ELECTRICAL & MECHANICAL SYSTEMS

Students will perform inspections and repair electrical and mechanical damage due to collision. Topics include electrical and wiring harness, suspension, braking and cooling system repairs. Students will service supplemental restraint systems (SRS) and ensure the integrity of the systems.

SUBJECT CODE **177030**

11th GRADE

AUTOMOTIVE BRAKING SYSTEMS

Students will perform inspections, troubleshoot malfunctions and service automotive brake systems. Students will identify poor performing hydraulic brake systems and replace malfunctioning components. Additionally, students will disable and enable supplemental restraint systems (SRS) and replace antilock brake systems components.

SUBJECT CODE **177002**

11th GRADE

GROUND TRANSPORTATION ELECTRICAL/ELECTRONICS

Student will diagnose and repair vehicle electrical systems, including chassis electrical, charging, starting and lighting systems. Students will learn the fundamentals of direct current (DC) electronics including series, parallel, and series-parallel circuits. Students will use electronic diagnostic tools, read schematics, and use printed and electronic resources to troubleshoot electrical circuits, test components and replace defective modules.

SUBJECT CODE **177031**

12th GRADE

AUTOMOTIVE STEERING & SUSPENSION SYSTEMS

Students will perform inspections, troubleshoot malfunctions and service automotive undercarriage systems. Students will install coil and leaf springs, shock absorbers and struts, and replace wheel bearings. Students will inspect and replace automotive steering components and perform wheel alignments.

SUBJECT CODE **177023**

12th GRADE

TRANSPORTATION CAPSTONE

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Transportation program in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

Buckeye Hills Career Center | 351 Buckeye Hills Road | Rio Grande, OH 45674 | 740.245.5334 | buckeyehills.net

Career-technical education does not discriminate on the basis of race, color, national origin, sex, disability, or age for participation in any program or activity. Lack of English language proficiency will not be a barrier to admission and participation in career-technical education programs or courses.