

Automotive Technology  
Certificate in Applied Science  
30 Semester Hours^

ONETonline.org SOC Code: 49-3023.02

The Automotive Technology (ATT) Certificate in Applied Science provides a technical education at the certificate level. Through instruction and practical application, students gain knowledge and skills required of the modern automotive technician.

Successful completion of the Automotive Technology program will allow graduates to enter the workforce at the technician level. They are prepared to apply the knowledge and skills developed in lectures and laboratories to diagnose, troubleshoot, and repair today's complex vehicles.

Students learn to comply with personal and environmental safety practices associated with: clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.

The Automotive Technology curriculum prepares graduates to work in dealerships, independent repair facilities, automotive suppliers, distributorships, and sales. The graduate is prepared to become self-employed in the automotive repair field.

Upon successful completion of the Automotive Technology program, the graduate will be able to:

- Apply accepted safety and health practices in the workplace
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair braking systems
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair automotive steering and suspension systems
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair automotive engines
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair automotive electrical and electronic systems and components
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair automotive heating systems
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair automotive air conditioning systems
- Use proper tools and instrumentation to diagnose, troubleshoot, and repair manual drive trains and axles in automobiles
- Apply effective written communication and computation skills
- Demonstrate computer literacy

Special Certifications: Students successfully completing automotive classes will be prepared to take the National Institute for Automotive Service Excellence (ASE) certification exams. Eastern does not provide ASE testing.

Program implementation: Full-time day (students attending part-time should see an advisor for recommended course sequencing)

*Note: All Automotive Technology courses (ATT) must be completed with a grade of "C" or better in order to graduate with an Automotive Technology, CAS degree.*

**Recommended Course Sequence – Automotive Technology, Certificate in Applied Science**

First Year–Fall Semester				First Year–Spring Semester			
Dept.		Course Title	Sem. Hrs.	Dept.		Course Title	Sem. Hrs.
ATT	103	Engine Repair	4	ATT	124	Automotive Electricity/ Electronics I	4
ATT	105	Brake Systems	4	ATT	128	Automotive Heating and Air Conditioning	4
ATT	107	Suspension & Steering	4	ATT	205	Automotive Electricity/ Electronics II	4
ENL	101	English Composition I	3	MTH Elective		Math Elective (MTH 115 or higher)	3
<b>Total Semester Hours</b>			<b>15</b>	<b>Total Semester Hours</b>			<b>15</b>

Students planning to complete the Automotive Technology, AAS, should also enroll in ATT 100. Students are require to complete a minimum level of competency in mathematics and language arts to be awarded a certificate.

Students enrolled in this program may be eligible for related Skill Set Certifications. Students should contact their academic program advisor or refer to the Skills Set section in Eastern’s 2019-2020 Catalog (page 106) for additional information.

**Median loan debt upon completion: N/A**

**Financial Aid** is available for those who qualify  
See Gainful Employment Disclosure in Eastern’s  
2019-2020 Catalog (page 26) for more information.

**^Cost of Attendance is available at:**

[www.easternwv.edu/documents/financial-aid/  
cost-attendance](http://www.easternwv.edu/documents/financial-aid/cost-attendance)