

# Basic Automotive, Truck, and Tractor Service and Repair, STC

This short certificate (STC) program of study provides students with skills, knowledge, and hands-on experience in the automotive, truck and tractor service, maintenance and repair industry. Today a technician must possess excellent critical thinking skills, computer skills, mechanical skills, working knowledge of electronics and be able to diagnose complex problems, and be committed to keeping pace with future advancements.

Successful completion of the program prepares graduates for employment as a service/ maintenance technician, parts manager, or sales and service representative in the field of automotive, truck and tractor service and repair.

**Program:** [Automotive Technology](#)

**Type:** Short Certificate

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ASE 101	Fundamentals of Automotive Technology	3
ASE 112	Electrical Fundamentals	3
ASE 121	Braking Systems	3
ASE 122	Steering and Suspension	3
ASE 124	Automotive Engines	3
ASE 130	Drive Train and Axles	3
ASE 133	Motor Vehicle Air Conditioning	3
ASE 239	Engine Performance	3
ASE 291	Co-op	3
	<b>Total credits:</b>	<b>Total Credits 27</b>

## Course Sequencing

### Basic Automotive, Truck, and Tractor Service and Repair Suggested Course Sequence First Semester

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ASE 101	Fundamentals of Automotive Technology	3
ASE 112	Electrical Fundamentals	3
ASE 121	Braking Systems	3
ASE 122	Steering and Suspension	3
ASE 124	Automotive Engines	3

Upon successful completion of all Semester 1 courses students are:

- Eligible to take ASE A-1 Engine Repair Exam
- Eligible to take ASE A-5 Brakes Exam
- Eligible to take ASE A-6 Electrical/Electronic Systems Exam
- Eligible to take ASE A-4 Steering and Suspension Exam

# Basic Automotive, Truck, and Tractor Service and Repair Suggested Course Sequence Second Semester

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
ASE 130	Drive Train and Axles	3
ASE 133	Motor Vehicle Air Conditioning	3
ASE 239	Engine Performance	3
ASE 291	Co-op	3

Upon successful completion of all Semester 2 courses students are:

- Eligible to take ASE A-7 Heating and Air Conditioning Exam
- Eligible to take ASE A-8 Engine Performance Exam