

# AUTOMOTIVE TECHNOLOGY CERTIFICATE

**Note:** Pathway is a recommended sequence of courses. Students should contact the department chair to discuss the course sequence as well as course prerequisites and recommendations.

28 Semester Credit Hours; Curriculum: 0030

Code	Title	Hours
<b>Courses for a Certificate:</b>		
ATA 102	Introduction To Automotive Technology	4
ATA 111	Automotive Electrical Systems I	4
ATA 113	Brake Systems	4
ATA 114	Steering, Balancing, and Alignment	4
ATA 206	Clutches, Transmissions, and Differentials	4
ATA 207	Automotive Heating and Air Conditioning	4
ATA 211	Automotive Electrical Systems II	4
<b>Total Hours</b>		<b>28</b>

## Program Learning Outcomes

1. Implement safe work habits in automotive technology.
2. Perform automotive diagnostics and repairs in an orderly and clean process.
3. Demonstrate the use and care of basic automotive tools and equipment.
4. Explain the mechanical and scientific principles involved in automotive technology.
5. Develop skills and technical knowledge of automotive technology that prepares students for entry level employment.
6. Develop skills and technical knowledge of automotive technology, particularly those related to brakes and steering.

## Automotive Technology Certificate Pathway

The following Pathway is recommended for students pursuing the Automotive Technology Certificate.

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
ATA 102	Introduction To Automotive Technology	4
ATA 111	Automotive Electrical Systems I	4
ATA 206	Clutches, Transmissions, and Differentials	4
<b>Hours</b>		<b>12</b>
<b>Spring Semester</b>		
ATA 113	Brake Systems	4
ATA 114	Steering, Balancing, and Alignment	4
<b>Hours</b>		<b>8</b>
<b>Summer Semester</b>		
ATA 207	Automotive Heating and Air Conditioning	4
<b>Hours</b>		<b>4</b>
<b>Second Year</b>		
<b>Fall Semester</b>		
ATA 211	Automotive Electrical Systems II	4
<b>Hours</b>		<b>4</b>
<b>Total Hours</b>		<b>28</b>