



## Associate of Applied Science AUTOMOTIVE TECHNOLOGY

Completion of the Automotive Technology program is designed to provide you with entry level employment as an automotive technician. By the time you complete this program, you should to be able to achieve Automotive Service Excellence (ASE) certification in four or more competency areas.

### GENERAL EDUCATION (18 crs)

**COMPLETED**

**Planned Timeline  
(By Semester)**

#### Communications (6 crs)

ENG 111 English Composition I (3)

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*Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation*

SPCH 130 Public Speaking (3)

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*Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation*

#### Math/Computers/Lab Sciences (6 crs)

CS 102 Computer Literacy (3)

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MATH 132 Applied Trades Math II (3)

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*Pre-requisite: MATH 102 or MATH 104*

#### Social/Behavioral Sciences (3 crs)

Choose from the following discipline areas: Anthropology, Economics, Geography, Political Science  
Psychology, or Sociology

Elective (3) \_\_\_\_\_

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*Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation*

#### Humanities and Fine Arts (3 crs)

Choose from the following discipline areas: Art (theory only), History, Humanities, Literature, Music (theory only)  
Philosophy, or Theatre (theory only)

Elective (3) \_\_\_\_\_

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*Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation*

### HEALTH, PHYSICAL EDUCATION & RECREATION (1 crs)

Elective (1) \_\_\_\_\_

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### PROGRAM REQUIREMENTS (56-57 crs)

To enroll in any of these courses, you must have first successfully completed MATH 100 or a higher level math courses, or scored above MATH 100 on the Course Placement Evaluation, or have permission of the instructor.

ATEC 101 Introduction to Automotive Repair (2)

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ATEC 102 Engine Repair (5)

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ATEC 104 Brake Systems (5)

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ATEC 105 Suspension and Alignment (4.5)

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ATEC 109L Air Conditioning and Heating (4.5)

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ATEC 114 Service Writer/Customer Service (1)

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ATEC 115 Automotive Restraint system (1.5)

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*Pre-requisite: ATEC 122*

ATEC 122 Basic Automotive Electricity (1)

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ATEC 123 Battery, Starting, and Charging Systems (2)

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ATEC 124 Electrical Instruments, Lights, and Accessories (3)

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ATEC 126 On-Board System Diagnosis and Service (1)

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ATEC 127 Engine Management Systems (3)

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*Pre-requisite: ATEC 126*

ATEC 128 Fuel Management Systems (2)

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*Pre-requisite: ATEC 126*

ATEC 203 Automotive Electrical and Electronics (3)

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*Pre-requisites: ATEC 122, ATEC 123, ATEC 124*

ATEC 204 Ignition Systems (2)

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*Pre-requisite: ATEC 126*

ATEC 205 Emissions Control Systems (3)

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*Pre-requisite: ATEC 126*

ATEC 206L Manual Transmission and Differential (4)

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ATEC 207L Automatic Transmission (5.5)

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Electives Choose **one** of the following:

ATEC 280L Practicum (3)

*Pre-requisite: Permission of instructor*

ARR 120 Auto Body Welding Methods (4)

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**TOTAL CREDITS      70**

**AUTOMOTIVE TECHNOLOGIES  
SEQUENCE of CLASSES by SEMESTER**

<b>Fall</b>	
ATEC 101 – Introduction to Automotive Repair (2)	ATEC 114 - Service Writer/Customer Service (1)
ATEC 104 – Brake Systems (5)	ATEC 105 – Suspension and Alignment (4.5)
ATEC 109 – Air Conditioning and Heating (4.5)	ATEC 121 – Automotive Restraint System (1.5)
ATEC 122 – Basic Automotive Electricity (1)	ATEC 123 – Battery, Starting, and Charging Systems (2)

<b>Spring</b>	
ATEC 101 – Introduction to Automotive Repair (2)	ATEC 114 – Service Writer/ Customer Service (1)
ATEC 104 – Brake Systems (5)	ATEC 105 – Suspension and Alignment (4.5)
ATEC 109 – Air Conditioning and Heating (4.5)	ATEC 139 – A/C Recycle Recovery (1)
ATEC 206 – Manual Transmission and Differential (4)	ATEC 207 – Automatic Transmission (5.5)

<b>Fall</b>	
ATEC 101 – Introduction to Automotive Repair (2)	ATEC 114 – Service Writer/ Customer Service (1)
ATEC 104 – Brake Systems (5)	ATEC 105 – Suspension and Alignment (4.5)
ATEC 139 – A/C Recycle Recovery (1)	ATEC 121 – Automotive Restraint System (1.5)
ATEC 102 – Engine Repair (5)	ATEC 127 – Engine Management Systems (3)
ATEC 128 – Fuel Management Systems (2)	ATEC 204 – Ignition Systems (2)

<b>Spring</b>	
ATEC 101 – Introduction to Automotive Repair (2)	ATEC 114 – Service Writer/ Customer Service (1)
ATEC 104 – Brake Systems (5)	ATEC 105 – Suspension and Alignment (4.5)
ATEC 109 – Air Conditioning and Heating (4.5)	ATEC 139 – A/C Recycle Recovery (1)
ATEC 206 – Manual Transmission (4.5)	ATEC 205 – Emission Control Systems (3)
A124 TEC – Electrical Instruments, Lights, and Accessories (3)	

## Educational Planning Form (Semester)

<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>
<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>
<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>