



Wayne  
County  
Community  
College  
District

# Automotive Service Technology

## PAY

The median annual wage for automotive service technicians and mechanics was \$38,470 in May 2016.

## JOB OUTLOOK

Employment of automotive service technicians and mechanics is projected to grow 6 percent from 2016 to 2026, about as fast as the average for all occupations. Job opportunities for qualified jobseekers should be very good.

*Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, October 24, 2017, Automotive Service Technicians and Mechanics, on the Internet at <http://www.bls.gov/ooh/installation-maintenance-and-repair/automotive-service-technicians-and-mechanics.htm>*

*Accredited by the National Automotive Technicians Education Foundation (NATEF).*

## ABOUT THE PROGRAM

The Automotive Service Technology Associate of Applied Science degree and College Certificate programs are designed to develop qualified technicians to diagnose, repair and service modern automobiles. The programs provide opportunities for the student to develop their skills and competencies for entry-level positions such as an automotive technician, service manager, parts manager, product test technician and self-employment. The programs prepare students for Automotive Service Excellence (ASE) and State of Michigan certifications for any of the eight (8) automotive areas or "Master" certification.

The instruction, curriculum, facilities and equipment of this program have been evaluated by the National Automotive Technicians Education Foundation (NATEF) and the District received accreditation from the National Institute for Automotive Service Excellence (ASE) in the following areas: automatic transmission and transaxle, brakes, electrical/electronic systems, engine performance, engine repair, heating and air conditioning, manual drive train and axles, suspension and steering.



## WHAT DO AUTOMOTIVE TECHNOLOGISTS AND TECHNICIANS DO?

Automotive service technicians and mechanics, often called service technicians or service techs, inspect, maintain, and repair cars and light trucks.

## WHERE DO THEY WORK?

Most automotive service technicians and mechanics work in well-ventilated and well-lit repair shops. Although mechanical problems can often be fixed with computers, technicians perform many tasks with greasy parts and tools, while sometimes in uncomfortable positions.



*For more information about our graduation rates, the median debt of students who have completed this program, and other important gainful employment information, please visit the following link: <http://www.wcccd.edu/dept/AutoSvTech/AutoSvTech.html>*

# Recommended Sequence of Courses

## Automotive Service Technology: College Certificate

### REQUIRED CAREER COURSES:

|         |                                      |    |
|---------|--------------------------------------|----|
| AUT 114 | Electrical/Electronic<br>Systems I   | .3 |
| AUT 115 | Electrical/Electronic<br>Systems II  | .3 |
| AUT 116 | Electrical/Electronic<br>Systems III | .3 |
| AUT 117 | Electrical/Electronic<br>Systems IV  | .3 |

### Select 18 credits from the following:

|         |  |    |
|---------|--|----|
| AUT 101 | Automotive Fundamentals                    | .3 |
| AUT 118 | Engine Performance I                       | .3 |
| AUT 119 | Engine Performance II                      | .3 |
| AUT 200 | Engine Performance III                     | .3 |
| AUT 201 | Engine Performance IV                      | .3 |
| AUT 120 | Brakes I                                   | .3 |
| AUT 203 | Brakes II                                  | .3 |
| AUT 121 | Suspension and Steering I                  | .3 |
| AUT 204 | Suspension and Steering II                 | .2 |
| AUT 122 | Automatic Transmission and<br>Transaxle I  | .4 |
| AUT 206 | Automatic Transmission and<br>Transaxle II | .3 |
| AUT 124 | Engine Repair I                            | .4 |
| AUT 207 | Engine Repair II                           | .3 |
| AUT 125 | Heating and Air Conditioning I             | .3 |
| AUT 208 | Heating and Air Conditioning II            | .2 |
| AUT 126 | Manual Drive Train and Axles I             | .3 |
| AUT 209 | Manual Drive Train and Axles II            | .2 |

**CERTIFICATE TOTAL** .....**.30**

*Note: Certificate totals may not include prerequisites.*

## Automotive Service Technology: Associate of Applied Science (A.A.S.)

|                |                     |                |
|----------------|---------------------|----------------|
| <b>CR. No.</b> | <b>COURSE TITLE</b> | <b>CREDITS</b> |
|----------------|---------------------|----------------|

### SEMESTER 1

|         |                           |    |
|---------|---------------------------|----|
| AUT 101 | Automotive Fundamentals   | .3 |
| AUT 114 | Electrical/Electronics I  | .3 |
| AUT 115 | Electrical/Electronics II | .3 |
| ENG 119 | English I                 | .3 |
| MAT 113 | Intermediate Algebra      | .3 |

**SEMESTER TOTAL** .....**.15**

### SEMESTER 2

|           |                            |    |
|-----------|----------------------------|----|
| AUT 116   | Electrical/Electronics III | .3 |
| AUT 117   | Electrical/Electronics IV  | .3 |
| PS 101    | American Government        | .3 |
| ENG 120   | English II                 | .3 |
| Elective: | Natural Science with Lab   | .4 |

**SEMESTER TOTAL** .....**.16**

### SEMESTER 3

|           |                                      |    |
|-----------|--------------------------------------|----|
| BUS 240   | Business Communications              | .3 |
| SPH 101   | Fundamentals of Speech               | .3 |
| Elective: | Social Science ( <i>any course</i> ) | .3 |
| Elective: | Humanities ( <i>any course</i> )     | .3 |

### Any 6 credits from the list below:

|         |  |    |
|---------|--|----|
| AUT 118 | Engine Performance I                       | .3 |
| AUT 119 | Engine Performance II                      | .3 |
| AUT 200 | Engine Performance III                     | .3 |
| AUT 201 | Engine Performance IV                      | .3 |
| AUT 120 | Brakes I                                   | .3 |
| AUT 203 | Brakes II                                  | .3 |
| AUT 121 | Suspension and Steering I                  | .3 |
| AUT 204 | Suspension and Steering II                 | .2 |
| AUT 122 | Automatic Transmission and<br>Transaxle I  | .4 |
| AUT 206 | Automatic Transmission and<br>Transaxle II | .3 |
| AUT 124 | Engine Repair I                            | .4 |
| AUT 207 | Engine Repair II                           | .3 |
| AUT 125 | Heating and Air Conditioning I             | .3 |
| AUT 208 | Heating and Air Conditioning II            | .2 |
| AUT 126 | Manual Drive Train and Axles I             | .3 |
| AUT 209 | Manual Drive Train and Axles II            | .2 |

**SEMESTER TOTAL** .....**.18**

### SEMESTER 4

### Any 15 credits from the list below:

|         |  |    |
|---------|--|----|
| AUT 118 | Engine Performance I                       | .3 |
| AUT 119 | Engine Performance II                      | .3 |
| AUT 200 | Engine Performance III                     | .3 |
| AUT 201 | Engine Performance IV                      | .3 |
| AUT 120 | Brakes I                                   | .3 |
| AUT 203 | Brakes II                                  | .3 |
| AUT 121 | Suspension and Steering I                  | .3 |
| AUT 204 | Suspension and Steering II                 | .2 |
| AUT 122 | Automatic Transmission and<br>Transaxle I  | .4 |
| AUT 206 | Automatic Transmission and<br>Transaxle II | .3 |
| AUT 124 | Engine Repair I                            | .4 |
| AUT 207 | Engine Repair II                           | .3 |
| AUT 125 | Heating and Air Conditioning I             | .3 |
| AUT 208 | Heating and Air Conditioning II            | .2 |
| AUT 126 | Manual Drive Train and Axles I             | .3 |
| AUT 209 | Manual Drive Train and Axles II            | .2 |

**SEMESTER TOTAL** .....**.15**

**AUT: A.A.S. PROGRAM TOTAL** .....**.64**

*Note: Program total hours may not include prerequisites.*

*Refer to course descriptions for prerequisite information.*

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