

# Automotive Technology Automotive Technician Maysville Community & Technical College

# Open Admissions Diploma

**Program Coordinator: Tony Wallace, Associate Professor**

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[Academic Plan Code: 4706044019; Academic Program Code: ENTC; CIP Code: 47060400;]

## Prerequisite Information:

| General Education & Support Classes   | Credit Hours | Semester Taken |
|---|--------------|----------------|
| Area 1 = Writing/Accessing Info, Oral Communications, Humanities/Heritage         | 3            |                |
| Area 2 = Social Science, Behavior Science, Natural/ Applied Science or Mathematic | 3            |                |
| Area 3 = Computer Literacy course or demonstrated competency                      | 0-3          |                |
|   |              |                |

| Core Requirements<br><i>Taken upon program admission</i>  | Credit Hours | Semester Taken |
|---|--------------|----------------|
| Choose one:<br>ADX 120 Basic Automotive Electricity &<br>ADX 121 Basic Automotive Electricity Lab | 5            |                |
| ADX 150 Engine Repair &<br>ADX 151 Engine Repair Lab  | 5            |                |
| ADX 170 Climate Control &<br>ADX 171 Climate Control Lab  | 4            |                |
| ADX 260 Electrical Systems<br>ADX 261 Electrical Systems Lab                                      | 5            |                |
| AUT 110 Brake Systems &<br>AUT 111 Brake Systems Lab  | 5            |                |
| AUT 130 Manual Transmissions &<br>AUT 131 Manual Transmissions Lab                                | 5            |                |

| Core Requirements <i>continued</i>   | Credit Hours | Semester Taken |
|--|--------------|----------------|
| AUT 140 Basic Fuel and Ignition Systems &<br>AUT 141 Basic Fuel and Ignition Systems Lab           | 5            |                |
| AUT 142 Emission Systems &<br>AUT 143 Emission Systems Lab   | 5            |                |
| AUT 160 Suspension and Steering &<br>AUT 161 Suspension and Steering Lab                           | 5            |                |
| AUT 180 Automatic Transmission/Transaxle &<br>AUT 181 Automatic Transmission/Transaxle Lab         | 5            |                |
| Choose one:<br>COE 199 Cooperative Education<br>AUT 198 Practicum                                  | 1            |                |
| AUT 240 Computer Control Systems and Diagnosis &<br>AUT 241 Computer Control Systems and Diagnosis | 5            |                |

**61-64 Total Credit Hours Diploma**

## Automotive Technology Description:

Instruction in systems such as engines, fuel, on-board computers, transmissions, steering, suspension, and brakes is the basis for this program. The Automotive Technician option provides knowledge of the various systems used to develop skills in troubleshooting, performing preventative maintenance, servicing and repairing automobiles. The program, which is designed to be completed in two years, prepares graduates for entry-level service technician jobs in the auto repair industry. The student may be provided a work-study experience alternating between periods of work on-site and work in a classroom-laboratory setting.

Maysville Community & Technical College

2006-2007

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## Automotive Technology Certificates

### Automotive Air Conditioning Mechanic

[Academic Plan Code: 4706043019; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements           | Credit Hours | Semester Taken | Core Requirements          | Credit Hours | Semester Taken |
|-----------------------------|--------------|----------------|----------------------------|--------------|----------------|
| ADX170 Climate Control      | 3            |                | ADX171 Climate Control Lab | 1            |                |
| <b>4 Credit Hours Total</b> |              |                |                            |              |                |

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### Automotive Electrician

[Academic Plan Code: 4706043039; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements                          | Credit Hours | Semester Taken | Core Requirements             | Credit Hours | Semester Taken |
|--|--------------|----------------|-------------------------------|--------------|----------------|
| ADX120 Basic Automotive Electricity<br>AND | 3            |                | ADX260 Electrical Systems     | 3            |                |
| ADX121 Basic Automotive Electricity<br>Lab | 2            |                | ADX261 Electrical Systems Lab | 2            |                |
| <b>10 Credit Hours Total</b>               |              |                |                               |              |                |

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### Manual Transmission/Drive Train Technician

[Academic Plan Code: ; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements           | Credit Hours | Semester Taken | Core Requirements               | Credit Hours | Semester Taken |
|-----------------------------|--------------|----------------|---------------------------------|--------------|----------------|
| AUT130 Manual Transmissions | 3            |                | AUT131 Manual Transmissions Lab | 2            |                |
| <b>5 Credit Hours Total</b> |              |                |                                 |              |                |

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### Automatic Transmission/Transaxle Technician

[Academic Plan Code: 4706043109; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements | Credit Hours | Semester Taken | Core Requirements | Credit Hours | Semester Taken |
|-------------------|--------------|----------------|-------------------|--------------|----------------|
|-------------------|--------------|----------------|-------------------|--------------|----------------|

|   |   |  |  |   |  |
|---|---|--|--|---|--|
| AUT180 Automatic Transmission/Transaxle | 3 |  | AUT181 Automotive Transmission/Transaxle Lab | 2 |  |
| <b>5 Credit Hours Total</b>             |   |  |  |   |  |

## Brake Repairer

[Academic Plan Code: 4706043069; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements           | Credit Hours | Semester Taken | Core Requirements        | Credit Hours | Semester Taken |
|-----------------------------|--------------|----------------|--------------------------|--------------|----------------|
| AUT110 Brake Systems        | 3            |                | AUT111 Brake Systems Lab | 2            |                |
| <b>5 Credit Hours Total</b> |              |                |                          |              |                |

## Engine Repairer

[Academic Plan Code: 4706043089; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements           | Credit Hours | Semester Taken | Core Requirements      | Credit Hours | Semester Taken |
|-----------------------------|--------------|----------------|------------------------|--------------|----------------|
| AUT150 Engine Repair        | 3            |                | AUT151 Engine Repairer | 2            |                |
| <b>5 Credit Hours Total</b> |              |                |                        |              |                |

## Front End Mechanic

[Academic Plan Code: 4706043099; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements             | Credit Hours | Semester Taken | Core Requirements                | Credit Hours | Semester Taken |
|-------------------------------|--------------|----------------|----------------------------------|--------------|----------------|
| AUT 160 Suspension & Steering | 3            |                | AUT161 Suspension & Steering Lab | 2            |                |
| <b>5 Credit Hours Total</b>   |              |                |                                  |              |                |

## Tune Up Mechanic

[Academic Plan Code: 4706043109; Academic Program Code: ENTC: CIP Code: 47060400]

| Core Requirements  | Credit Hours | Semester Taken | Core Requirements   | Credit Hours | Semester Taken |
|--|--------------|----------------|---|--------------|----------------|
| ADX120 Basic Automotive Electricity (3) AND<br>ADX121 Basic Automotive Electricity Lab (2) | 5            |                | AUT142 Emissions Systems (3)<br>AND<br>AUT143 Emissions Systems Lab(2)                                    | 5            |                |
| ADX260 Electrical Systems<br>AND<br>ADX261 Electrical Systems Lab                          | 5            |                | AUT240 Computer control Systems & Diagnosis (3) AND<br>AUT241 Computer control Systems & Diagnosis Lab(2) | 5            |                |

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|  |   |  |  |
|--|---|--|--|
| AUT140 Basic Fuel & Ignition Systems<br>(3) AND<br>AUT141 Basic Fuel & Ignition Systems<br>Lab (2) | 5 |  |  |
| <b>25 Credit Hours Total</b>   |   |  |  |

NOTES:

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