

AUTOMOTIVE - COE

AUTOMOTIVE TECHNOLOGY

| | |
|---|---|
| Automotive Technology - Technician - AAS. | 2 |
| Automotive Technology - Technician - Certificate: Level I | 3 |
| Automotive Technology - Autobody/Collision Repair Technician -Certificate: Level I | 4 |
| Automotive Technology - Maintenance & Light Repair - Certificate: Level I | 5 |
| Automotive Technology - Light Automotive Maintenance Technician - Occupational Skills Award | 6 |

HEAVY VEHICLE & TRUCK REPAIR

| | |
|--|---|
| Heavy Vehicle & Truck Repair - Certificate: Level I | 7 |
| Heavy Vehicle & Truck Repair - Diesel Preventative Maintenance - Occupational Skills Award | 8 |

Workforce Degrees and Certificates

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE TECHNOLOGY - TECHNICIAN

Associate of Applied Science

SCH

FIRST YEAR

First Semester - Fall

| | | | |
|-----------------------|------|--|-----------|
| EDUC | 1300 | Learning Framework | 3 |
| AUMT | 1305 | Introduction to Automotive Technology | 3 |
| AUMT | 2328 | Automotive Service | 3 |
| AUMT | 1310 | Automotive Brake Systems | 3 |
| AUMT | 1316 | Automotive Suspension & Steering Systems | 3 |
| Semester Total | | | 15 |

Second Semester - Spring

| | | | |
|-----------------------|-------------------|--|-----------|
| AUMT | 1307 | Automotive Electrical Systems | 3 |
| AUMT | 1345 | Automotive Climate Control Systems | 3 |
| AUMT | 2321 | Automotive Electrical Diagnosis & Repair | 3 |
| AUMT | 2317 | Automotive Engine Performance Analysis I | 3 |
| XXXX | #3## ¹ | Math/Natural Science Elective | 3 |
| Semester Total | | | 15 |

SECOND YEAR

First Semester - Fall

| | | | |
|-----------------------|------|---|-----------|
| ENGL | 1301 | Composition I | 3 |
| AUMT | 2313 | Automotive Drive Train & Axles | 3 |
| AUMT | 1306 | Automotive Engine Removal & Installation | 3 |
| AUMT | 2325 | Automotive Automatic Transmission & Transaxle | 3 |
| AUMT | 2334 | Automotive Engine Performance Analysis II | 3 |
| Semester Total | | | 15 |

Second Semester - Spring

| | | | |
|-----------------------|-------------------|--|-----------|
| XXXX | #3## ¹ | General Education Elective | 3 |
| XXXX | #3## ¹ | Social/Behavioral Sciences Elective | 3 |
| AUMT | 1319 | Automotive Engine Repair | 3 |
| XXXX | #3## ¹ | Humanities/Fine Arts Elective | 3 |
| AUMT | 2380 | Cooperative Education - Automobile/Automotive Mechanics Technology/Technician (Capstone) | 3 |
| Semester Total | | | 15 |

Total Minimum Credits for the AAS Degree

60

¹ A list of electives appears in the Core Curriculum section of this catalog.

Workforce Degrees and Certificates

AUTOMOTIVE TECHNOLOGY - TECHNICIAN

Certificate - Level 1

SCH

First Semester - Fall

| | | | |
|-----------------------|------|--|-----------|
| AUMT | 1305 | Introduction to Automotive Technology | 3 |
| AUMT | 2328 | Automotive Service | 3 |
| AUMT | 1310 | Automotive Brake Systems | 3 |
| AUMT | 1316 | Automotive Suspension & Steering Systems | 3 |
| Semester Total | | | 12 |

Second Semester - Spring

| | | | |
|-----------------------|------|--|-----------|
| AUMT | 1307 | Automotive Electrical Systems | 3 |
| AUMT | 1345 | Automotive Climate Control Systems | 3 |
| AUMT | 2321 | Automotive Electrical Diagnosis & Repair | 3 |
| AUMT | 2317 | Automotive Engine Performance Analysis I | 3 |
| Semester Total | | | 12 |

Third Semester - Summer

| | | | |
|-----------------------|------|--|-----------|
| AUMT | 2313 | Automotive Drive Train & Axles | 3 |
| AUMT | 1306 | Automotive Engine Removal & Installation | 3 |
| AUMT | 2325 | Automotive Automatic Transmission & Transaxle | 3 |
| AUMT | 2334 | Automotive Engine Performance Analysis II | 3 |
| AUMT | 1380 | Cooperative Education - Automobile/Automotive Mechanics Technology/Technician (Capstone) | 3 |
| Semester Total | | | 15 |

Total Minimum Credits for the Level 1 Certificate

39

Workforce Degrees and Certificates

AUTOMOTIVE TECHNOLOGY - AUTOBODY/COLLISION REPAIR TECHNICIAN

Certificate - Level 1

SCH

First Semester - Fall

| | | | |
|-----------------------|------|--|-----------|
| ABDR | 2441 | Major Collision Repair & Panel Replacement | 4 |
| ABDR | 1431 | Basic Refinishing | 4 |
| ABDR | 1207 | Collision Repair Welding | 2 |
| ABDR | 1215 | Vehicle Trim & Hardware | 2 |
| Semester Total | | | 12 |

Second Semester - Spring

| | | | |
|-----------------------|------|--|-----------|
| ABDR | 1458 | Intermediate Refinishing | 4 |
| ABDR | 1441 | Structural Analysis & Damage Repair I | 4 |
| ABDR | 1442 | Structural Analysis & Damage Repair II | 4 |
| Semester Total | | | 12 |

Third Semester - Summer

| | | | |
|-----------------------|------|--|-----------|
| ABDR | 2449 | Advanced Refinishing | 4 |
| ABDR | 2431 | Structural Analysis & Damage Repair III | 4 |
| ABDR | 1291 | Special Topics in Auto/Automotive Body Repairer | 2 |
| ABDR | 1280 | Cooperative Education - Autobody/Collision & Repair Technology/Technician (Capstone) | 2 |
| Semester Total | | | 12 |

Total Minimum Credits for the Level 1 Certificate

36

Workforce Degrees and Certificates

AUTOMOTIVE TECHNOLOGY - MAINTENANCE & LIGHT REPAIR

Certificate - Level 1

SCH

First Semester - Fall

| | | | |
|-----------------------|------|--|-----------|
| AUMT | 1305 | Introduction to Automotive Technology | 3 |
| AUMT | 1307 | Automotive Electrical Systems | 3 |
| AUMT | 1310 | Automotive Brake Systems | 3 |
| AUMT | 1316 | Automotive Suspension & Steering Systems | 3 |
| AUMT | 2310 | Automotive Service Consultant | 3 |
| Semester Total | | | 15 |

Second Semester - Spring

| | | | |
|-----------------------|------|--|-----------|
| AUMT | 1345 | Automotive Climate Control Systems | 3 |
| AUMT | 2317 | Automotive Engine Performance Analysis I | 3 |
| AUMT | 2328 | Automotive Service | 3 |
| AUMT | 1380 | Cooperative Education - Automobile/Automotive Mechanics Technology/Technician (Capstone) | 3 |
| Semester Total | | | 12 |

Total Minimum Credits for the Level 1 Certificate

27

Workforce Degrees and Certificates

AUTOMOTIVE TECHNOLOGY - LIGHT AUTOMOTIVE MAINTENANCE TECHNICIAN

Occupational Skills Award

SCH

First Semester - Fall

| | | | |
|--|------|--|-----------|
| AUMT | 1305 | Introduction to Automotive Technology | 3 |
| AUMT | 1310 | Automotive Brake Systems | 3 |
| AUMT | 1316 | Automotive Suspension & Steering Systems | 3 |
| AUMT | 2328 | Automotive Service | 3 |
| Total Minimum Credits for the Occupational Skills Award | | | 12 |

Workforce Degrees and Certificates

HEAVY VEHICLE & TRUCK REPAIR

HEAVY VEHICLE & TRUCK REPAIR

Certificate - Level 1

SCH

First Semester - Fall

| | | | |
|-----------------------|------|-----------------------------------|-----------|
| DEMR | 1301 | Shop Safety & Procedures | 3 |
| DEMR | 1317 | Basic Brake Systems | 3 |
| DEMR | 1310 | Diesel Engine Testing & Repair I | 3 |
| DEMR | 2312 | Diesel Engine Testing & Repair II | 3 |
| Semester Total | | | 12 |

Second Semester - Spring

| | | | |
|-----------------------|------|--|-----------|
| DEMR | 1305 | Basic Electrical Systems | 3 |
| DEMR | 2332 | Electronic Controls | 3 |
| DEMR | 2439 | Advanced Electrical Systems | 4 |
| DEMR | 1323 | Heating, Ventilation, & Air Conditioning (HVAC) Troubleshooting & Repair | 3 |
| Semester Total | | | 13 |

Third Semester - Summer

| | | | |
|-----------------------|------|---|-----------|
| DEMR | 1329 | Preventative Maintenance | 3 |
| DEMR | 1316 | Basic Hydraulics | 3 |
| DEMR | 1330 | Steering & Suspension I | 3 |
| DEMR | 1342 | Power Train Applications I | 3 |
| DEMR | 1381 | Cooperative Education-Diesel Mechanics Technology/Technician (Capstone) | 3 |
| Semester Total | | | 15 |

Total Minimum Credits for the Level 1 Certificate

40

Workforce Degrees and Certificates

HEAVY VEHICLE & TRUCK REPAIR - DIESEL PREVENTATIVE MAINTENANCE

Occupational Skills Award

SCH

First Semester - Fall

| | | | |
|--|------|-----------------------------------|-----------|
| DEMR | 1301 | Shop Safety & Procedures | 3 |
| DEMR | 1317 | Basic Brake Systems | 3 |
| DEMR | 1310 | Diesel Engine Testing & Repair I | 3 |
| DEMR | 2312 | Diesel Engine Testing & Repair II | 3 |
| Total Minimum Credits for the Occupational Skills Award | | | 12 |