

AUTOMOTIVE - COE 2020 - 2021

AUTOMOTIVE TECHNOLOGY

Automotive Technology - Technician - AAS.	2
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Workforce Degrees and Certificates 2020-2021

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

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

Workforce Degrees and Certificates 2020-2021

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 2020-2021

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 1307	Collision Repair Welding	3
ABDR 1215	Vehicle Trim & Hardware	2
Semester Total		13
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		37

Workforce Degrees and Certificates 2020-2021

AUTOMOTIVE TECHNOLOGY - MAINTENANCE & LIGHT REPAIR

Certificate - Level 1

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 2020-2021

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
Semester Total		12
Total Minimum Credits for the Occupational Skills Award		12

Workforce Degrees and Certificates 2020-2021

HEAVY VEHICLE, DIESEL, AND INDUSTRIAL TECHNOLOGY

HEAVY VEHICLE, DIESEL, AND INDUSTRIAL TECHNOLOGY

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 2020-2021

HEAVY VEHICLE, DIESEL, AND INDUSTRIAL TECHNOLOGY - 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
Semester Total		12
Total Minimum Credits for the Occupational Skills Award		12