

Automotive Technology, Diploma

Requirements

Five options are available: a One-Year Certificate, a Two-Year Diploma, an Associated in applied Science Degree, an Associate in Science, and the Bachelor of Science in Technology Management degree.

Total Program Credits: 56

Discipline Core Requirements:		56 Credits	
AUT 1110	Brake Systems	2	
AUT 111L	Brake Systems Lab	1	
AUT 1120	Manual Power Trains	2	
AUT 112L	Manual Power Trains Lab	1	
AUT 1130	Engine Repair	2	
AUT 113L	Engine Repair Lab	1	
AUT 1160	Automotive Electrical Systems	2	
AUT 116L	Automotive Electrical Systems Lab	1	
AUT 1170	Engine Electrical Systems	2	
AUT 117L	Engine Electrical Systems Lab	1	
AUT 1210	Suspension and Steering Systems	2	
AUT 121L	Suspension and Steering Systems Lab	1	
AUT 1220	Automatic Transmissions and Transaxles	2	
AUT 122L	Automatic Transmissions and Transaxles Lab	1	
AUT 1230	Engine Performance	2	
AUT 123L	Engine Performance Lab	1	
AUT 2110	Advanced Steering Suspension and Alignment	2	
AUT 2120	Advanced Engine Performance	2	
AUT 2130	Advanced Emission Control Systems	2	
AUT 2140	Chassis Electrical and Electronics Systems	2	
AUT 2210	Advanced Braking and Control Systems	2	
AUT 2220	Automatic Transmissions and Electronic Controls	2	
AUT 2240	Heating Ventilation Air Conditioning and Refrigeration Theory	2	
AUT 2250	Electronic Fuel Management Systems (2.0)		
or	AUT 2350	Electronic Diesel Fuel Management Systems	2
	MKTG 2200	Written Business Communication	3
	Any approved Behavioral Science, Social, or Political Science Distribution Course		2
	AUT 1260	Tech Math for Mechanics	3
Complete 8 credits from the following:		8	
AUT 201L	Automotive Service Practicum Engine Performance and Steering Suspension (2.0)		
AUT 202L	Automotive Service Practicum Emission Controls and Chassis Electronics (2.0)		
AUT 203L	Automotive Service Practicum Brake Systems and Transmission Controls (2.0)		
AUT 204L	Automotive Service Practicum Fuel Management Systems and HVACR (2.0)		
AUT 281R	Cooperative Work Experience (1.0)		

Graduation Requirements:

1. Completion of a minimum of 56 semester hours.
2. Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3. Completion of specified departmental requirements.

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Automotive Technology, Diploma Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
<i>AUT 1110</i>	Brake Systems	2
AUT 111L	Brake Systems Lab	1
<i>AUT 1120</i>	Manual Power Trains	2
AUT 112L	Manual Power Trains Lab	1
<i>AUT 1130</i>	Engine Repair	2
AUT 113L	Engine Repair Lab	1
<i>AUT 1160</i>	Automotive Electrical Systems	2
AUT 116L	Automotive Electrical Systems Lab	1
AUT 1260 or MAT 1010	Quantitative Literacy	3
	Semester total:	15
Semester 2	Course Title	Credit Hours
<i>AUT 1170</i>	Engine Electrical Systems	2
AUT 117L	Engine Electrical Systems Lab	1
<i>AUT 1210</i>	Suspension and Steering Systems	2
AUT 121L	Suspension and Steering Systems Lab	1
<i>AUT 1220</i>	Automatic Transmissions and Transaxles	2
AUT 122L	Automatic Transmissions and Transaxles Lab	1
<i>AUT 1230</i>	Engine Performance	2
AUT 123L	Engine Performance Lab	1
MKTG 2200	Written Business Communication	3
Social Science		2
	Semester total:	17
Semester 3	Course Title	Credit Hours
AUT 2110	Advanced Steering Suspension and Alignment	2
AUT 2120	Advanced Engine Performance	2
AUT 201L	Automotive Service Practicum Engine Performance and Steering Suspension	2
AUT 2130	Advanced Emission Control Systems	2
AUT 2140	Chassis Electrical and Electronics Systems	2
AUT 202L	Automotive Service Practicum Emission Controls and Chassis Electronics	2
	Semester total:	12
Semester 4	Course Title	Credit Hours
AUT 2210	Advanced Braking and Control Systems	2
AUT 2220	Automatic Transmissions and Electronic Controls	2

AUT 203L	Automotive Service Practicum Brake Systems and Transmission Controls	2
AUT 2240	Heating Ventilation Air Conditioning and Refrigeration Theory	2
AUT 2250	Electronic Fuel Management Systems	2
AUT 204L	Automotive Service Practicum Fuel Management Systems and HVACR	2
	Semester total:	12
	Degree total:	56