

AUTOMOTIVE TECHNICIAN CERTIFICATE 30605

Course	Requirement Field	Credits	Notes
Fall - 1st Semester			
AUT 105 Automotive Electrical Fundamentals	Curriculum Requirement	2	Offered Fall only – 1 st 8 weeks
AUT 107 Automotive Electrical Systems and Equipment	Curriculum Requirement	2	Offered Fall only – 2 nd 8 weeks
AUT 110 Fuel & Emissions	Curriculum Requirement	3	Offered Fall Only
AUT 101 Intro Auto Technology OR AUT 180 Automotive Service Techniques AUT 132 Automotive Brake Systems	Curriculum Requirement	2 to 4	AUT 101 Fall only AUT 180 Fall & Spring Offered Fall Only
AUT 120 Manual Transmission and Drive Train OR AUT 230 Automatic Transmissions	Related Curriculum	3 to 4	AUT 120 Offered Fall only –taught even years AUT 230 Offered Fall only - taught odd years
Total Hours		14 - 17	

Course	Requirement Field	Credits	Notes
Spring - 2nd Semester			
AUT 131 Steering and Suspension Systems	Related Curriculum	3	Offered Spring only
AUT 106 Internal Combustion Engines	Curriculum Requirement	4	Offered Spring only
AUT 220 Automotive Electronics and Computerized Vehicle Controls OR AUT 260 Engine Performance and Diagnosis	Curriculum Requirement	2 to 3	AUT 220 Spring only, taught odd years. Prerequisite AUT 105 & AUT 110 or instructor approval. AUT 260 Spring only, taught even years. Prerequisite AUT 105 & 110 or instructor approval.
Choose from Curricula Electives option AUT 280 Advanced Shop	Elective Curriculum Requirement	0 to 4 4	Offered Spring only
Total Hours		13-18	

Total Hours	30
Total Curriculum Requirements	20-24
Total Related Curriculum	6-7
Total Elective	0-4

Notes: The foregoing is a recommended, or suggested, sequence of courses. If a student enters the program in the spring, or transfers credit in, the above would have to be modified.

All courses must be completed with a grade of "C" or better. Be sure to check the catalog for other changes and requirements.

Curriculum Related Requirements

Select 6-7 credits from the following courses:

AUT 120	Manual Transmission and Drive Train	3 credits
AUT 131	Steering and Suspension Systems	3 credits
AUT 230	Automatic Transmissions	4 credits
AUT 266	Vehicle Heating and Air Conditioning	3 credits

Curriculum Electives

Select from the following additional courses to complete a minimum of 30 credits

AMT 101	Fundamentals of Machining	2 credits
AMT 104	Machining and Fabrication	3 credits
AMT 110	Introduction to Fab Lab Technology	2 credits
AUT 297	Workshop OR	
AUT 299	Independent Study	1 to 3 credits
CMP 101	Introduction to Computers OR	
CMP 103	Introduction to Computer Based Systems	3 credits

COE 101 Job Seeking Strategies OR

COE 111 Cooperative Education I (Occupational) 1 to 3 credits

CSL 115 Community Outreach Through Service Learning 1 to 2 credits