Automotive Technology Automotive Technician — Open Admissions Diploma

Maysville Community & Technical College

Program Coordinator: Tony Wallace, Associate Professor
Contact Information: Rowan Campus 606/783-1538 ext. 66346, Email: tonyl.wallace@kctcs.edu

[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	

Notes:
1. Additional electives can lead to AAS degree in GOTS- -see check sheet.
2. Required minimum ACT or COMPASS scores

	Math	Reading	Writing
ACT	18	18	18
COMPASS	34 (Pre-Algebra)	74	49

Core Requirements *Taken upon program admission*	Credit Hours	Semester Taken	Core Requirements *continued*	Credit Hours	Semester Taken
Choose one: ADX 120 Basic Automotive Electricity & ADX 121 Basic Automotive Electricity Lab	5		AUT 140 Basic Fuel and Ignition Systems & AUT 141 Basic Fuel and Ignition Systems Lab	5	
ADX 150 Engine Repair & ADX 151 Engine Repair Lab	5		AUT 142 Emission Systems & AUT 143 Emission Systems Lab	5	
ADX 170 Climate Control & ADX 171 Climate Control Lab	4		AUT 160 Suspension and Steering & AUT 161 Suspension and Steering Lab	5	
ADX 260 Electrical Systems ADX 261 Electrical Systems Lab	5		AUT 180 Automatic Transmission/Transaxle & AUT 181 Automatic Transmission/Transaxle Lab	5	
AUT 110 Brake Systems & AUT 111 Brake Systems Lab	5		Choose one: COE 199 Cooperative Education AUT 198 Practicum	1	
AUT 130 Manual Transmissions & AUT 131 Manual Transmissions Lab	5		AUT 240 Computer Control Systems and Diagnosis & AUT 241 Computer Control Systems and Diagnosis	5	
61-64Total 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.

Automotive Technology Certificates

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	
5 Credit Hours Total					

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	
5 Credit Hours Total					

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	
4 Credit Hours Total					

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	
5 Credit Hours Total					

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 (3) AND ADX121 Basic Automotive Electricity Lab (2)	5		BEX100 Basic Electricity for Non-Majors (3) AND BEX101 Basic Electricity Lab for Non-Majors (2)	5	
ADX260 Electrical Systems	3		ADX261 Electrical Systems Lab	2	
15 Credit Hours Total					

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	
5 Credit Hours Total					

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		AUT161Suspension & Steering Lab	2	
5 Credit Hours Total					

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 ADX121 Basic Automotive Electricity Lab (2)	5		AUT142 Emissions Systems (3) AND AUT143 Emissions Systems Lab(2)	5	
ADX260 Electrical Systems AND ADX261 Electrical Systems Lab	5		AUT240 Computer control Systems & Diagnosis (3) AND AUT241 Computer control Systems & Diagnosis Lab(2)	5	
AUT140 Basic Fuel & Ignition Systems (3) AND AUT141 Basic Fuel & Ignition Systems Lab (2)	5				
25 Credit Hours Total					

NOTES:

1. Required minimum ACT or COMPASS scores

	ACT	COMPASS	
Math:	18	34 (Pre-Algebra)	or MT055
Reading:	18	74	or RDG030
Writing:	18	49	or ENC091

2. Curriculum will lead to a Diploma and AAS in GO/TS in area of Automotive Technology. (See check sheets)
3. If you change from a certificate to a diploma or a degree program, additional reading and writing requirements must be met.