Automotive Technology – Automotive Technician
Diploma

Program Coordinator: Aaron N. Harlow **E-mail:** aaron.harlow@kctcs.edu **Phone:** 859-246-6774

Program Website: https://bluegrass.kctcs.edu/education-training/program-finder/automotive-technology.aspx

Student Name: **Student ID:**

Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
ADX 120 Basic Automotive Electricity	3				
ADX 121 Basic Automotive Electricity Lab	2			Coreq: ADX 120	
ADX 150 Engine Repair	3				
ADX 151 Engine Repair Lab	2			Coreq: ADX 150	
AUT 160 Suspension and Steering	3				
AUT 161 Suspension and Steering Lab	2			Coreq: AUT 160	
Total Semester Credit Hours	**15**				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
AUT 110 Brake Systems	3				
AUT 111 Brake Systems Lab	2			Coreq: AUT 110	
AUT 130 Manual Drive Train and Axles	3				
AUT 131 Manual Drive Train and Axles Lab	2			Coreq: AUT 130	
AUT 140 Basic Fuel and Ignition Systems	3				
AUT 141 Basic Fuel and Ignition Systems Lab	2			Coreq: AUT 140	
Total Semester Credit Hours	**15**				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
AUT 142 Emission Systems	3				
AUT 143 Emission Systems Lab	2			Coreq: AUT 143	
ADX 170 Heating and Air Conditioning	3			Coreq: ADX 171	
ADX 171 Heating and Air Conditioning Lab	1			Coreq: ADX 170	
ADX 260 Electrical Systems	3			Coreq: ADX 261	
ADX 261 Electrical Systems Lab	2			Coreq: ADX 260	
Written Communication, Oral Communication, OR Heritage/Humanities course	3				
Total Semester Credit Hours	**17**				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
AUT 180 Automatic Transmission/Transaxles	3				
AUT 181 Automatic Transmission/Transaxles Lab	2			Coreq: AUT 180	
AUT 240 Computer Control Systems and Diagnosis	3				
AUT 241 Comp Control Systems and Diagnosis Lab	2			Coreq: AUT 241	
AUT 199 Cooperative Education Program	1				
Social/Behavioral Sciences, Natural Sciences, OR Quantitative Reasoning course	3				
Digital Literacy course	0 – 3				
Total Semester Credit Hours	**14 – 17**				
Total Diploma Credit Hours	**61 – 64**				

Graduation Requirements: ☐ **25% or more of Total Diploma Credit Hours must be earned at BCTC**

☐ **Cumulative GPA must be 2.0 or higher**

Advisor Name _____ **Advisor Contact** _____

Additional Information
• The Automotive Technology program is currently on a two-year rotation cycle beginning in Fall 2018 and enrolling new students every other year. • Enrollment into the program is limited. Interested students must contact the Automotive Technology Program Coordinator. • Students cannot enroll in any ADX or AUT course without the permission of the Automotive Technology Program Coordinator.

Course Rotation Schedule		
	Fall	Spring
ADX 120 and ADX 121 Basic Automotive Electricity and Lab	X	
ADX 150 and ADX 151 Engine Repair and Lab	X	
ADX 170 and ADX 171 Heating and Air Conditioning and Lab	X	
ADX 260 and ADX 261 Electrical systems and Lab	X	
AUT 110 and AUT 111 Brake Systems and Lab		X
AUT 130 and AUT 131 Manual Drive and Axles and Lab		X
AUT 140 and AUT 141 Basic Fuel and Ignition Systems and Lab		X
AUT 142 and AUT 143 Emission Systems and Lab	X	
AUT 160 and AUT 161 Suspension and Steering and Lab	X	
AUT 180 and AUT 181 Automatic Transmission/Transaxles and Lab		X
AUT 240 and AUT 241 Computer Control Systems and Diagnosis and Lab		X

Embedded Credentials			
Credential	Title	Requirements	Total Credit Hours
Certificate	Automatic Transmission/ Transaxle Technician	AUT 180, 181	5
Certificate	Automotive Air Conditioning Mechanic	ADX 170, 171	4
Certificate	Automotive Electrician	ADX 120, 121, 260, 261	10
Certificate	Brake Repairer	AUT 110, 111	5
Certificate	Engine Repairer	ADX 150, 151	5
Certificate	Front End Mechanic	AUT 160, 161	5
Certificate	Manual Transmission/ Drive Train Technician	AUT 130, 131	5
Certificate	Tune-up Mechanic	ADX 120, 121, 260, 261, AUT 140, 141, 142, 143, 240, 241	25

Certificate Requirements:
☐ **25% or more of Total Certificate Credit Hours must be earned at BCTC**
☐ **Grade of C or higher in each course required for certificate**