

# AUTOMOTIVE TECHNOLOGY



## Automotive Technology

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.

## Job Outlook

The number of jobs for automotive service technicians and mechanics is projected to grow. Many job openings will arise as experienced technicians retire. Opportunities should be good for those who complete postsecondary automotive training programs, as some employers report difficulty finding workers with the right skills. Those without formal automotive training are likely to face stiff competition for entry-level jobs.

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One Community College Drive | Hazard, KY 41701 | (606) 436-5721 | [hazard.kctcs.edu](http://hazard.kctcs.edu)



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KENTUCKY COMMUNITY AND TECHNICAL COLLEGE SYSTEM

# AUTOMOTIVE TECHNOLOGY

## Associate in Applied Science in Automotive Technology

General Education Courses	Credits
Quantitative Reasoning.....	3
Natural Sciences.....	3
Social/Behavioral Sciences.....	3
Heritage/ Humanities.....	3
Written Communication .....	3
Computer Literacy Course or Demonstrated Competency .....	0-3
<b>Total Credits.....</b>	<b>15-18</b>

AND/OR

### DIPLOMA: AUTOMOTIVE TECHNICIAN

General Education Courses	Credits
Area 1 = Writing/Accessing Information, Oral Communications, Humanities/Heritage.....	3
Area 2 = Social Science, Behavior Science, Natural/Applied Science or Mathematics .....	3
Area 3 = Computer Literacy Course or Demonstrated Competency .....	0-3
<b>Total Credits.....</b>	<b>6-9</b>

Technical Core Courses	Credits
ADX 120 Basic Automotive Electricity.....	3
ADX 121 Basic Automotive Electricity Lab .....	2
ADX 150 Engine Repair .....	3
ADX 151 Engine Repair Lab.....	2
ADX 170 Climate Control .....	3
ADX 171 Climate Control Lab.....	1
ADX 260 Electrical Systems.....	3
ADX261 Electrical Systems Lab .....	2
AUT 110 Brake Systems .....	3
AUT 111 Brake Systems Lab.....	2
AUT 130 Manual Transmissions.....	3
AUT 131 Manual Transmissions Lab .....	2
AUT 140 Basic Fuel and Ignition Systems .....	3
AUT 141 Basic Fuel and Ignition Systems Lab.....	2
AUT 142 Emission Systems .....	3
AUT 143 Emission Systems Lab.....	2
AUT 160 Suspension and Steering .....	3
AUT 161 Suspension and Steering Lab .....	2
AUT 180 Automatic Transmission/Transaxle.....	3
AUT 181 Automatic Transmission/Transaxle Lab .....	2
AUT 240 Computer Control Systems & Diagnosis .....	3
AUT 241 Computer Control Systems & Diagnosis Lab....	2
Any Approved Work Experience Component (Diploma Only).....	1
<b>Subtotal .....</b>	<b>54-58</b>
<b>Total Credits .....</b>	<b>60-73</b>

Many certificates are also available as coursework is completed.....(4-25)

### Contact Information:

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