

# 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.

The Parts/Service Writer option provides knowledge of the various systems and components and how they relate. This knowledge enables the student to more accurately interpret their customers' automotive complaints, identify and sell automotive parts, and provide efficient customer service within the automotive service and repair industry. The student may take the ASE exams in these areas when they have completed the requirements for these tests.

The Hybrid and Electric Vehicle Technician certificate complements the Associate in Applied Science degree and is designed for students to increase and develop the basic knowledge and skills necessary for diagnosing and repairing hybrid and electric vehicles. The additional credential is designed for students who wish to enhance their knowledge of hybrid and electric vehicles. This credential will make the student more employable in the automotive repair field.

Note: Hours Exception (69-72 for the A.A.S. and 61-64 for the Diploma) approved by the KCTCS Board of Regents in March 2011.

## Degrees

- Automotive Technology - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-technology-aas/>)
  - Automotive Parts/Service Writer Track (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-technology-aas/#automotivepartsservicewritertrack>)
  - Automotive Technician Track (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-technology-aas/#automotivetechiciantrack>)

## Diplomas

- Automotive Parts/Service Writer - Diploma (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-partsservice-writer-diploma/>)
- Automotive Technician - Diploma (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-technician-diploma/>)

## Certificates

- Automatic Transmission/Transaxle Technician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automatic-transmissiontransaxle-technician-certificate/>)
- Automotive Air Conditioning Mechanic - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-air-conditioning-mechanic-certificate/>)
- Automotive Electrician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/automotive-electrician-certificate/>)
- Brake Repairer - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/brake-repairer-certificate/>)
- Engine Repairer - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/engine-repairer-certificate/>)
- Front End Mechanic - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/front-end-mechanic-certificate/>)
- Hybrid and Electric Vehicle Technician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/hybrid-electric-vehicle-technician-certificate/>)
- Manual Transmission/Drive Train Technician - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/manual-transmissiondrive-train-technician-certificate/>)
- Tune-up Mechanic - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/automotive-technology/tune-up-mechanic-certificate/>)