AUTOMOTIVE TECHNOLOGY, A.A.S.

Entry Time

Fall

Award

Associate of Applied Science degree
2 years (5 terms including 1 summer)

The Automotive Technology program provides entry-level skills and knowledge for students who want to work in the automotive technology field. The curriculum emphasizes automotive electronics and features courses in body electrical, engine electrical and computerized fuel delivery systems. This program is MasterTM-certified by the National Automotive Technicians Education Foundation (NATEF), and the National Institute of Automotive Services Excellence certifies our instructors as Master Technicians. Kirkwood is an authorized SnapOn Certified Training Center.

After you complete the SnapOn Diagnostic products training and pass the rigorous test, you are considered a power user of SnapOn diagnostic tools, with an efficiency of 90-100 percent. Achieve master status (top 10 percent nationwide) and be one of the most sought after technicians in the field.

This program provides the opportunity to take eight ASE certification tests. Graduation from this program requires Automotive Arc Flash and 300 hours of faculty approved industry work.

A tool set is required for this program.

Career Opportunities

- auto dealerships
- franchised auto centers
- independent repair facilities
- specialty service shops
- auto sales and support
- fleet maintenance

Degree Requirements

Term 1		
Fall		**Credit Hours**
AUT-104	Intro to Automotive Technology	3
AUT-614	Automotive Electrical I	3
AUT-502	Automotive Brake Systems	2
MAT-715	Industrial Math I	3
AUT-888 or AUT-100	Technical Lab I or Maintenance & Light Repair	4
Graduation from the AAS degree requires 300 hours of faculty approved industry work		
	Term Totals:	15

Term 2		
Spring		
AUT-308	Manual Drive Train & Axles I	2
AUT-402	Auto Suspension and Steering	2
AUT-702	Auto Heat & Air Conditioning	2
AUT-310	Computer Engine Controls I	2
AUT-658	Automotive Electrical II	3
AUT-889	Technical Lab II	4
Communications Elective [1]		3
	Term Totals:	18

Term 3		
Summer		
AUT-309	Manual Drive Train & Axles II	2
AUT-708	Adv Auto Heat & Air Condition	2
Social Science Elective		3
Communications Elective [1]		3
	Term Totals:	10

Term 4		
Fall		
AUT-164	Automotive Engine Repair	4
AUT-406	Advanced Automotive Suspension and Steering	2
AUT-536	Advanced Automotive Brake Systems	2
AUT-311	Computer Engine Controls II	3
AUT-680	Automotive Electrical III	3
	Term Totals:	14

Term 5		
Spring		
AUT-204	Automotive Automatic Transmissions and Transaxles	4
AUT-221	Hybrid Electric Vehicle Fund	4
AUT-312	Computerized Engine Controls III	4
Humanities or History/Culture Course (https://creditcatalog.kirkwood.edu/aas-degree-humanities-requirement/)		3
	Term Totals:	15
	Program Totals:	72

[1] Students planning to transfer to a four-year college or university should consider substituting some or all of the following courses into the curriculum:
ENG-105 Composition I **and**
ENG-108 Composition II: Technical Writing **or**
ENG-106 Composition II
for ------- Communications Electives

Optional Courses

Code	Title	Credit Hours
AUT-924	Honors Project	1
AUT-928	Independent Study	1-3

Automotive Technology Tool Requirements

Students in the Automotive Technology program are required to have a tool set for lab activities after the first year. Instructors will provide students with a list of minimum requirements. Students can purchase tool set through the Industrial Technologies Department or on their own. Payment plans can be arranged with the financial aid office.