Automotive Technology

Program
Automotive
Degree Type
Associate in Applied Science

There are over 253 million vehicles on U.S. roads today with an average age of over 11 years old. All of them periodically require service. Close to one million men and women service these vehicles. Each year, thousands of jobs become available for automotive technicians trained to diagnose and repair the complex electronic and computer systems in today's vehicles.

Automotive repair professionals need to have up-to-date technical information at their command. Students can choose between an Associate in Applied Science degree or a two-year certificate in Automotive Technology which combine in-depth theory with extensive practical training in a well-equipped lab. The program is accredited by ASE Education Foundation.

Graduates of the Automotive Technology degree possess extensive knowledge of state-of-the-art mechanical, electrical/electronic, and computer systems used in today's automobiles. They have expertise in using micrometers, calipers, multimeters, engine analyzers, scan tools, torches and welders, computerized alignment systems, brake lathes, and emissions analyzers. Students also learn to utilize the ALLDATA On-Demand Computerized Automotive Service Information systems.

Upon graduation, students are prepared to apply for positions in service, sales, parts, and management. Job titles include line mechanic, entry-level technician, service writer, parts counterperson, assistant service manager, or service manager.

Each spring, as part of the program requirements, both degree and certificate students must take at least two Automotive Service Excellence (ASE) national exams, usually administered in May.

Students are required to spend an additional $1800-$3500 for tools and uniforms.

First Year, Fall Semester

Course Number	Title	Lecture	Lab	Credits
ACAD105W	Academic Readiness	1	0	1
AUTO101W	Introduction to Automotive Service	2	3	3
AUTO112W	Automotive Electricity I	3	3	4
AUTO115W	Automotive Engines and Related Systems	2	3	3
ENGL120W	College Composition	4	0	4
	Sub-Total Credits	**12**	**9**	**15**

First Year, Spring Semester

Course Number	Title	Lecture	Lab	Credits
AUTO113W	Automotive Power Trains	4	6	6
AUTO114W	Automotive Electricity II	3	3	4
PHYS113W	Electricity and Electronics	3	2	4
	Mathematics	4	0	4
	Sub-Total Credits	**14**	**11**	**18**

Second Year, Fall Semester

Course Number	Title	Lecture	Lab	Credits
AUTO211W	Automotive Electronics	2	3	3
AUTO212W	Chassis Service and Alignment Procedures	2	8	5
WELD213W	Introduction to Wire-Fed Welding and Cutting Processes	1	2	2
	Social Science	3	0	3
	Sub-Total Credits	**8**	**13**	**13**

Second Year, Spring Semester

Course Number	Title	Lecture	Lab	Credits
AUTO217W	Computerized Diagnostic Service and Air Conditioning	4	2	5
AUTO215W	Automotive Suspension and Brakes	3	3	4
AUTO219W	Electric Vehicle Technology	1	2	2
	Humanities	3	0	3
	Sub-Total Credits	**11**	**7**	**14**
	Total Credits			**60**