

Automotive Technology

Degree Type

Associate in Applied Science

ASSOCIATE DEGREE IN APPLIED SCIENCE AUTOMOTIVE TECHNOLOGY 69 SEMESTER HOURS

The importance of professional automobile repair in today's mobile society cannot be overstated. Because vehicles have skyrocketed in cost and are kept in service longer, there is a shortage of trained, knowledgeable technicians. Skilled technicians are needed to perform preventive maintenance, repairs and adjustments. Your decision to obtain either a certificate or Associate Degree in Automotive Technology will provide you with increased career opportunity and higher income.

Employment opportunities are best for automotive service technicians with strong communication, mathematical and analytical skills. For this reason, the Automotive Technology curriculum includes instruction in English, mathematics and human relations to supplement the in-depth studies of the automobile's electrical, electronic, computer, mechanical, and hydraulic systems required in this associate degree program. Because the automotive service technician's ability to diagnose the source of a problem quickly and accurately is of prime importance in this field, students will receive intense training in diagnosis of advanced vehicle systems including hybrid vehicle systems.

OCtech's Automotive Technology is a five semester program with mini-sessions taught each semester. Classes combine operational theory with hands on lab activities for Engine Repair, Automatic Transmissions, Manual Transmission and Drive Train, Suspension and Steering, Brakes, Electrical and Electronic Systems, Heating and Air Conditioning, Engine Performance and Alternative Fuel Vehicles. These classes prepare students to pass ASE certification tests and begin a career as an automotive service technician.

Automotive service technician careers are attractive to many individuals because they afford the opportunity for good pay and the satisfaction of highly skilled work. In addition, most individuals who enter this occupation can expect steady work because changes in economic conditions normally have little effect on the automotive repair business. Job opportunities for an OCtech Automotive Technology graduate cover all areas of the automotive industry. Repair technicians, parts sales, dealerships, and specialty shops are just a few of the opportunities available.

If you're ready to explore your possibilities for the future, choose OCtech's Associate in Applied Science Automotive Technology degree.

The OCtech Automotive Technology Program is accredited by the ASE Education Foundation.

Fall I

Course Number	Title	Credits
MAT-155	Contemporary Mathematics	3
AUT-159	Tools, Equipment, and Reference Manuals	3
AUT-131	Electrical Systems	3
AUT-231	Automotive Electronics	4

Spring I

Course Number	Title	Credits
HSS-105	Technology and Culture	3
AUT-102	Engine Repair	4
AUT-222	Four Wheel Alignment	2
AUT-111	Brakes	3
AUT-221	Suspension & Steer Diag	3

[AUT-132](#) may be taken in place of [AUT-131](#).

[AUT-112](#) may be taken in place of [AUT-111](#).

Summer

Course Number	Title	Credits
PSY-103	Human Relations	3
AUT-145	Engine Performance	3
AUT-241	Automotive Air Condition	4
AUT-211	Advanced Brakes	3

Fall II

Course Number	Title	Credits
HSS-101	Introduction to Humanities	3
AUT-153	Automatic Transmission Diagnosis	3
AUT-245	Advanced Engine Performance	5
AUT-275	Alternate Technology Vehicles	3

[PHI-101](#) or [HIS-101](#) may be taken in place of [HSS-101](#).

Spring II

Course Number	Title	Credits
ENG-160	Technical Communications	3
AUT-116	Manual Transmission and Axle	4
AUT-262	Adv Auto Diagnosis & Repair	4
AUT-268	Special Topics in Automotives	3

[AUT-270](#) may be taken in place of [AUT-268](#).

Total Credits	69
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