

AUTOMOTIVE TECHNOLOGY



ILLINOIS VALLEY
COMMUNITY COLLEGE



ivcc.edu/automotive



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Associate of Applied Science Degree Automotive Technology



WHAT IS AUTOMOTIVE TECHNOLOGY?

Automotive Technology covers repair, service, and maintenance of all types of automobiles, trucks, vans and buses. Instruction includes the diagnosis of malfunctions in and repair of engine, fuel, electrical, HVAC, brake systems, drive train, and suspension systems. The Automotive Technician program is certified by the ASE Education Foundation (formerly NATEF) for over 25 years.



MULTIPLE PROGRAM OPTIONS

Students have the option of earning multiple certificates and/or an Associate in Applied Science degree. IVCC has partnerships in place with colleges and universities for students wanting to pursue a Bachelor of Science degree in the field, for example, Southern Illinois University with our 2+2 program or Northern Illinois University with our 3+1 program.



HANDS ON TRAINING AND EXPERIENCE

Besides classroom instruction, the program utilizes computer based training and lab work. IVCC's automotive students perform "Live Work" on customer vehicles and use the latest diagnostic equipment. Our instructors are ASE Master Certified Automotive Technicians who have worked in dealerships and independent repair shops. Graduates find employment at local dealerships and independent repair shops. Automotive repair facilities locally and across the country need trained Automotive Technicians to diagnose and repair today's high-tech vehicles.



AFFORDABILITY

IVCC tuition is just one-third to one-fourth the cost of state universities and far below most private institutions. An approximation of tuition and fees and cost comparison can be found on the IVCC website at www.ivcc.edu/save and payment options can be found at www.ivcc.edu/payment.

Many scholarship opportunities are available through the IVCC Foundation at www.ivcc.edu/foundation and Financial Aid is available for those who qualify at www.ivcc.edu/financialaid.

Career Options

Explore careers at: www.mynextmove.org

Automotive Technician

Fleet Maintenance Technician

Automotive Service Advisor

Automotive Parts Representative

AAS AUTOMOTIVE TECHNOLOGY PROGRAM CURRICULUM

FIRST YEAR - FALL SEMESTER

Course No.	Course Name	Credits
ATO 1210	Basic Gas Engines	5
ATO 1220	Basic Automotive Electricity	3
ATO 2200	Brake Systems	5
ENG 1205	Writ Comm Skills for Bus Ind & Tech	3
Semester Total:		16

FIRST YEAR - SPRING SEMESTER

ATO 1250	Engine Performance	3
ATO 1240	Power Trans & Manual Trans	3.5
ATO 1260	Steering and Suspension Systems	4.5
AAS General Education Course		3
AAS General Education Course		2
Semester Total:		16

FIRST YEAR - SUMMER SEMESTER

ATO 2250	Heating & Air Conditioning	3
Semester Total:		3

SECOND YEAR - FALL SEMESTER

ATO 1270	Service Management	1
ATO 2210	Adv Engine Performance & Driveability	5
ATO 2220	Fuel Systems & Emission Controls	4.5
ATO 2230	Automatic Transmissions / Trans-Axles	4.5
MTH 1206	Technical Mathematics I	3
Semester Total:		18

SECOND YEAR - SPRING SEMESTER

ATO 2240	Automotive Accessories	3
ATO 2260	Advanced Drivelines	3
ATO 2270	Automotive Service	4
ATO 2280	Computerized Engine Controls	3
ATO 2290	Automotive Certification	1
General Education Social Science Course		3
Semester Total:		17
TOTAL CREDIT HOURS		70

According to the 2019 annual report by the Bureau of Labor Statistics (BLS), there will be an annual need for over 75,000 entry level technicians. The BLS estimates that post-secondary programs only produce around 39,000 technicians annually.