ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE

Two-year Associate of Applied Science degree programs prepare students for careers, career changes and career advancement. AAS programs may also prepare students for transfer to four-year institutions. The program content, which is approximately 30 percent general education, provides depth and breadth in conceptual and professional/technical skills. Professional/technical courses equip students with the skills to obtain employment and to advance in the workforce.

CERTIFICATE (C)

Certificates are sequences of technical and professional courses. They provide access to targeted, short-term workforce training, and completers may sit for specific certification exams. Certificate programs generally take less than one year to complete.

TECHNICAL CERTIFICATE (TC)

One-year Technical Certificate programs provide education in conceptual and technical skills for specific occupations. Each program contains a sequence of required courses in a recognized concentration within a program.

CONCENTRATIONS IN THIS PROGRAM

AUTOMOTIVE/ELECTRICAL ELECTRONICS (certificate only)
You will take courses in automotive electrical systems, engine performance, and heating and air conditioning.

AUTOMOTIVE SERVICE (AAS or TC)
Modern vehicles need trained technicians to diagnose and repair mechanical and electronic systems. This concentration offers “hands-on” training in all eight areas of ASE Certification. The Ivy Tech Community College Automotive Program is Master Certified by ASE/NATEF.

AUTOMOTIVE SERVICE MANAGEMENT (AAS)
Automotive businesses require managers that have technical repair and business management skills. This concentration will help you develop the necessary wide variety of managerial and technical skills, such as hiring, training, supervision, inventory control, computing, and budget management.

BRAKES AND SUSPENSION (certificate only)
You will take courses in electricity, brakes, suspensions, and alignment.

DEALER CO-OP (AAS)
This ASE/NATEF master certified training program allows you to combine technical training at the college and hands-on work experience at an independent service facility or franchise dealership. This degree is designed for the working adult automotive technician seeking an AAS degree.

ENGINE PERFORMANCE (certificate only)
You will take courses in electricity, engine performance, and engine principles.

POWER TRAIN (certificate only)
You will take courses in power trains, transmissions, engine performance, and electricity.
ASSOCIATE OF APPLIED SCIENCE
64 Credit Hours

FIRST YEAR
Fall Semester
AUTC 107  Engine Principles & Design
AUTC 109  Engine Performance I
AUTC 113  Electrical & Electronics I
AUTC 121  Braking Systems
IVYT 1XX  Life Skills Elective
MATH 1XX  Mathematics Elective

Spring Semester
AUTC 127  Engine Repair
AUTC 219  Engine Performance III
AUTC XXX  Choose One (1) AUTC Elective
ENGL 111  English Composition
ELECTIVE  General Education Elective

SECOND YEAR
Fall Semester
AUTC 101  Steering & Suspension
AUTC 123  Electrical & Electronics II
AUTC 145  Powertrain Service
AUTC 209  Engine Performance II
SCIN 111  Physical Science

Summer Semester
AUTC 201  Climate Control Systems
COMM 101  Fundamentals of Public Speaking

Spring Semester
AUTC 243  Advanced Electronics
AUTC XXX  Choose Three (3) AUTC Electives
ELECTIVE  Humanities/Social Sciences

TECHNICAL CERTIFICATE
31 Credit Hours

Degree Coursework:
AUTC 101  Steering & Suspension
AUTC 113  Electrical & Electronics I
AUTC 121  Braking Systems
AUTC XXX  Choose Five (5) AUTC Electives
COMM XXX  Communications Elective
IVYT 1XX  First Year Seminar
Elective  Humanities/Social & Behavioral Science Elective

AUTC Electives:*  
AUTC 109  Engine Performance I
AUTC 123  Electrical & Electronics II
AUTC 127  Engine Repair
AUTC 135  Automatic Service
AUTC 145  Powertrain Service
AUTC 201  Climate Control Systems
AUTC 209  Engine Performance II
AUTC 250  Motor Sports Fabrication I

*AUTC Elective list is not exhaustive

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To learn more about employment and salary information for careers in this field, visit the U.S. Department of Labor's Bureau of Labor Statistics website at bls.gov and the official career site of the State of Indiana, indianacareerconnect.com.

Ivy Tech Community College is accredited by North Central Association of Colleges and Schools.