

# AUTOMOTIVE TECHNOLOGY (ITC)

## Intermediate Technical Certificate

### Career-Technical Program

#### Interest Areas:

#### Manufacturing and Trades

This program is designed to prepare students for employment as entry-level technicians in the automotive repair industry. All ASE (Automotive Service Excellence) areas will be taught through the use of lecture, mock-ups, and customer vehicles. Successful completion of each semester or permission of the instructor is required for admission to the next semester.

Due to the complexity of cars today, the industry requires a high degree of reading and comprehension skills. Placement in specific English and courses math is determined by the college assessment test. The North Idaho College Automotive Technology program is NATEF certified and is taught by ASE Master Technicians.

**Current industry professionals may enroll in individual courses on a space-available basis and with the instructor's permission.**

Gainful Employment Information (<https://www.nic.edu/programs/ge/7-CC1/Gedt.html>)

Program Website ([https://www.nic.edu/programs/viewprogram.aspx?program\\_id=7](https://www.nic.edu/programs/viewprogram.aspx?program_id=7))

## Program Requirements

Course	Title	Credits
<b>Semester 1</b>		
ATEC-117	Occupational Relations and Job Search	2
AUTO-102	Automotive Technology Fundamentals and Safety	2
AUTO-111	Manual Drive Trains and Axles	2
AUTO-118	Electrical Systems	3
AUTO-119L	Automotive Lab I	7
Select one of the following:		3-5
MCTE-104	Technical Mathematics for Automotive Technology and Diesel	
GEM 3 - A.A.S. Mathematical Ways of Knowing		
Credits		19-21
<b>Semester 2</b>		
AUTO-124	Brakes, Suspension and Steering	2
AUTO-127	Engine Repair	3
AUTO-129L	Automotive Lab II	7
ECTE-100 or ENGL-101	Fundamentals for Writing or English Composition	3
Credits		15
Total Credits		34-36

### Course Key



GEM



WCHE

AAS  
Institutionally  
Designated

Gateway



Milestone

## Program Outcomes

Upon completion of the program, students will be able to:

- Understand, explain, and model proper safety procedures in regards to overall shop safety practices with emphasis on maintenance/repair of automotive systems. Complete and pass nationally recognized S/P2, online safety training before attending any lab courses.
- Effectively troubleshoot and repair the following automotive systems, following NATEF program standards:
  - Engine Repair
  - Manual Drive Train and Axles
  - Suspension and Steering systems
  - Brakes
  - Electrical systems
- Demonstrate good, productive work habits, and basic computation and communications skills when performing both technical and general functions required of an automotive technician.