

Auto Academy

TUITION
VALUE OF
NEARLY
\$1,800



Northcentral Technical College (NTC), in conjunction with your high school, is offering an opportunity for high school seniors interested in pursuing a career in the automotive field. The Auto Academy prepares students to be workforce-ready through Youth Apprenticeship at area businesses and the completion of the Automotive Maintenance & Light Repair Technical Diploma.

The first class, Auto Service Fundamentals, may be available as dual credit through your high school. If it is not available, the class can be taken at NTC. The remaining classes will be taught by NTC faculty on the Wausau campus. All credits transfer into NTC associate degrees or technical diplomas, so students have a jump start if they want to continue their education. Students also receive one-on-one support from an Academy Specialist at NTC during the academy.

POTENTIAL CAREERS GRADUATES CAN PURSUE ARE:

Fleet Technician (Commercial)

Automotive Service Excellence (ASE)
Certified Master Technician

Specialty Technician

Automotive Technician

STARTING
SALARY
\$27,040-
\$54,340*



**CONTACT YOUR SCHOOL COUNSELOR FOR
MORE INFORMATION.**

**Average, based on the NTC Graduate Outcomes Report*

COURSES OFFERED FALL 2021:		CREDITS
10-602-107	Auto Service Fundamentals	2
10-602-103	Engine Repair 1	2
10-602-125	Electrical & Electronic Systems 1	2
10-602-127	Electrical & Electronic Systems 2	3
10-602-104	Brake Systems	3
TOTAL CREDITS		12

COURSES	PROGRAM	
	AUTOMOTIVE TECHNICIAN TECHNICAL DIPLOMA	AUTOMOTIVE TECHNOLOGY ASSOCIATE DEGREE
Auto Service Fundamentals	X	X
Engine Repair 1	X	X
Electrical & Electronic Sys 1	X	X
Electrical & Electronic Sys 2	X	X
Brake Systems	X	X

Course Descriptions

AUTO SERVICE FUNDAMENTALS | 2 CREDITS

Introduction to the automotive service facility. Safety and the use of basic hand and power tools helps the prospective automobile technician work safely and efficiently. Students learn to use both comprehensive and manufacturer's shop manuals to perform basic under-hood and under-car services.

ENGINE REPAIR 1 | 2 CREDITS

Prepares Learners for rebuilding engine assemblies. Learners will disassemble, inspect components, and reassemble engines according to manufactures specifications. Four-stroke engine theory will be covered. Learners will be introduced to engine rebuilding specialty tools and engine machining processes. Emphasis is placed on out-of-vehicle engine repair including overhaul procedures and techniques.

ELECTRICAL & ELECTRONIC SYSTEMS 1 | 2 CREDITS

Introduces diagnosis and repair of automotive electrical and electronic systems. Learners will develop the principles of basic electrical units and circuits, apply ohm's law while interpreting wiring diagrams, and be introduced to the use electrical test equipment. Focusing on basic circuit concepts they will analyze customers concerns, diagnose basic lighting electrical circuits, research repair information, and verify completed repairs.

ELECTRICAL & ELECTRONIC SYSTEMS 2 | 3 CREDITS

Develops skills needed to diagnose and repair automotive electrical and electronic systems. Applying knowledge of wiring diagrams along with manufactures descriptions and diagnostic procedures, Learners perform and evaluate testing and repairs on today's computer controlled starting, charging, and battery systems.

BRAKE SYSTEMS | 3 CREDITS

This course is a study of design, construction and service of vehicle braking systems. Emphasis is placed on disc and drum applications, power brake units, the machining of brake drum and rotors, hydraulic systems and components along with maintenance and the parking brake system.