

AUTOMOTIVE TECHNICIAN DIPLOMA

Purpose: RCTC’s Automotive Technician major is designed to prepare students for careers in the automotive industry. They will learn to inspect, maintain, diagnose, and repair, automobiles and light trucks. Instruction includes courses in servicing vehicles, diagnosis and repair of brakes, steering and suspension, starting and charging systems, electrical service, engine overhaul, fuel systems, driveline and differentials, clutches, automatic, manual transmissions, and air conditioning. The program’s goal is to prepare students for the Automotive Service Excellence (ASE) certification test.

Award

Automotive Technician Diploma	67 credits total
Automotive curriculum	61 credits
MnTC curriculum/General Education.....	6 credits

*** The course sequence for this program begins in fall only and is intended for full-time enrollment.**

RECOMMENDED FULL-TIME COURSE SEQUENCE

Not all courses are scheduled every semester. See course schedule: <https://eservices.minnstate.edu/registration/search/basic.html?campusid=306>.

Semester 1		Semester 2	
AMT 1720 Electrical Theory	4 cr	AMT 1810 Engine Repair Theory	3 cr
AMT 1725 Electrical Lab	4 cr	AMT 1815 Engine Repair Lab	7 cr
AMT 1730 Brakes Theory	4 cr	AMT 1820 Alignment and Suspension Theory	2 cr
AMT 1735 Brakes Lab	5 cr	AMT 1825 Alignments and Suspension Lab	3 cr
		COMM 1000 Intro to Workplace Communication	3 cr
Total Credits	17	Total Credits	18
Semester 3		Semester 4	
AMT 1900 Welding	2 cr	AMT 2750 Engine Performance Theory	4 cr
AMT 2650 Auto Science	2 cr	AMT 2752 Engine Performance Lab	7 cr
AMT 2740 Drive Train Theory	3 cr	AMT 2770 Heating and Air Conditioning	3 cr
AMT 2742 Manual Drive Train Lab	4 cr		
AMT 2744 Automatic Trans/Transaxle Lab	4 cr		
MATH 1015 Applied Technical Math	3 cr		
Total Credits	18	Total Credits	14

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.