

AUTOMOBILE MECHANICS Diploma Program

I. RCTC General Education Requirements 8 Credits

Minnesota Transfer Curriculum.....3 cr

- A. Three credits from courses meeting the competencies of Minnesota Transfer Curriculum Goals 1 – 10.

- B. Five credits from any course(s) other than AMT courses and courses under 1000.
MATH 1015 Applied Technical Math.....5 cr
Or other MATH classes

II. Professional or Technical Credits

AMT 1710	Service Theory	2 cr
AMT 1720	Electrical Theory	2 cr
AMT 1730	Brake Theory	2 cr
AMT 1740	Tune-Up Theory	2 cr
AMT 1725	Service & Electrical Lab	3 cr
AMT 1735	Brakes Lab	4 cr
AMT 1745	Ignition Lab	2 cr
AMT 1810	Engine Repair Theory	3 cr
AMT 1820	Alignment & Suspension Theory	2 cr
AMT 1815	Engine Repair Lab	7 cr
AMT 1825	Alignment/Suspension Lab	3 cr
AMT 2740	Drive Train Theory	3 cr
AMT 2742	Manual Drive Train Lab	4 cr
AMT 2744	Automatic Transmission/Transaxle Lab	4 cr
AMT 2650	Auto Science	2 cr
AMT 1900	Welding	2 cr
AMT 2750	Engine Performance Theory	4 cr
AMT 2752	Engine Performance Lab	7 cr
AMT 2770	Heating/Air Conditioning Lab	3 cr

TOTAL..... 69 Credits

PURPOSE: The Automotive Mechanic major is designed to prepare students for careers in the automotive industry where they will inspect, diagnose, repair, and maintain automobiles. Instruction includes courses in vehicle service, brakes, steering and suspension, starting and charging systems, electrical service, engine overhaul, fuel systems, driveline and differential, clutch and transmissions, and air conditioning. With the introduction of on-board computers, instruction is also given in electronics and other high tech areas such as fuel injection and turbo charging. Instruction combines a comprehensive mix of classroom theory and hands-on experience in the auto lab. Job opportunities exist with repair shops, dealerships, fleet owners, and businesses performing specialized service work. Graduates typically start as entry level mechanics. With further education and/or experience, they can go on to specialize in an area such as rebuilding components or they can advance to shop foreman or service manager positions. Some graduates have opened their own repair businesses. **NOTE: Students must test at a Reading 0840 level before enrolling or obtain instructor permission.**

Implemented: Spring 2008
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