

# AUTOMOTIVE - MASTER AUTOMOTIVE TECHNICIAN, CERTIFICATE OF ACHIEVEMENT (LEVEL III)

NMC Code 001

From bumper to bumper, under the hood to under the hoist, you'll get your hands on every part of a car in NMC's Automotive – Master Automotive Technician program. This comprehensive certificate includes classes in brakes, electrical, engine performance and repair, suspension and steering, automatic transmissions, heating and air conditioning, manual drivetrain and axles. Classes are offered both days and evenings to fit your schedule. You'll use the latest technology and diagnostic equipment to work on real cars for real customers in NMC's 13 bay auto shop. In-house testing for state certification completes the program.

State and federal levels of certification are offered.

## Requirements

### Certificate Requirements

Course	Title	Credits
AT 100	Automotive Service Basics <sup>1</sup>	3
AT 110	Automotive Brake Systems	5
AT 120	Automotive Electrical I	5
AT 130	Engine Performance I	5
AT 140	Suspension and Steering	4
AT 150	Automatic Transmissions	6
AT 160	Engine Repair	6
AT 170	Heating and Air Conditioning	4
AT 180	Manual Drivetrain and Axles	6
AT 210	Hybrid Technology	5
AT 220	Automotive Electrical II	5
AT 230	Engine Performance II	4
<b>Total Credits</b>		<b>58</b>

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May be waived with appropriate work experience or education.

Must pass all eight (8) State or ASE certification tests to be awarded this certificate.

### Course Sequence Guide

Course	Title	Credits
<b>Year 1</b>		
<b>Fall</b>		
AT 100	Automotive Service Basics <sup>1</sup>	3
AT 120	Automotive Electrical I (Fall only)	5
AT 180	Manual Drivetrain and Axles (Fall only)	6
	<b>Credits</b>	<b>14</b>
<b>Spring</b>		
AT 110	Automotive Brake Systems (Spring only)	5

AT 170	Heating and Air Conditioning (Spring only)	4
AT 220	Automotive Electrical II (Spring only)	5
	<b>Credits</b>	<b>14</b>
<b>Year 2</b>		
<b>Fall</b>		
AT 130	Engine Performance I (Fall only)	5
AT 140	Suspension and Steering (Fall only)	4
AT 160	Engine Repair (Fall only)	6
	<b>Credits</b>	<b>15</b>
<b>Spring</b>		
AT 150	Automatic Transmissions (Spring only)	6
AT 210	Hybrid Technology (Spring only)	5
AT 230	Engine Performance II (Spring only)	4
	<b>Credits</b>	<b>15</b>
	<b>Total Credits</b>	<b>58</b>

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May be waived with proof of appropriate work experience or education.

### Program Notes

- Must pass the related State or ASE certification tests for all of the required automotive courses.
- The responsibility for determining the transferability of this degree and courses to another institution is the sole responsibility of the student.