

Automotive Fundamentals (AF12)

Diploma eMap

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This eMap is based on the 2024-2025 academic year.



| 1 st set of suggested courses | | | |
|--|------------------------------------|-------|--------------------------|
| Course | | Hours | Completed |
| AUTT 1010 | Automotive Technology Introduction | 2 | <input type="checkbox"/> |
| AUTT 1020 | Automotive Electrical Systems | 7 | <input type="checkbox"/> |
| AUTT 1030 | Automotive Brake Systems | 4 | <input type="checkbox"/> |

AUTT 1020 is the recommended course. Additional courses may be available to meet that requirement but may extend length of program. See Course Catalog for more info.

| 2 nd set of suggested courses | | | |
|--|--|-------|--------------------------|
| Course | | Hours | Completed |
| AUTT 1040 | Automotive Engine Performance | 7 | <input type="checkbox"/> |
| ENGL 1005 OR ENGL 1010 | Applied Technical Communication OR Fundamentals of English I | 3 | <input type="checkbox"/> |
| COMP 1000 | Introduction to Computer Literacy | 3 | <input type="checkbox"/> |

AUTT 1040 is the recommended course. Additional courses may be available to meet that requirement but may extend length of program. See Course Catalog for more info.

| 3 rd set of suggested courses | | | |
|--|--|-------|--------------------------|
| Course | | Hours | Completed |
| AUTT 1050 | Automotive Suspension and Steering Systems | 4 | <input type="checkbox"/> |
| AUTT 1060 | Automotive Climate Control Systems | 5 | <input type="checkbox"/> |

| 4 th set of suggested courses | | | |
|--|--|-------|--------------------------|
| Course | | Hours | Completed |
| MATH 1012 | Foundations of Mathematics | 3 | <input type="checkbox"/> |
| EMPL 1000 | Interpersonal Relations and Professional Development | 2 | <input type="checkbox"/> |

Total Credit Hours: 40 Minimum Credit Hours Required for Graduation

Automotive Fundamentals Diploma Planning Notes:

- This program cannot be completed in the evening only. Day and evening courses are required throughout the program.
- The following supplies will be required for the program. Contact Program Advisor, Troy Peco, for detailed list of supplies and purchasing recommendations.
 - Textbooks
 - An automotive uniform: navy pant w/ navy button up shirt OR navy pants w/navy GNTC t-shirt. Hat is optional.
 - Tools which meet industry standards quality; drive sets (multiple sizes required), wrenches, screwdriver sets, pliers, miscellaneous items. Full list with details can be obtained from Program Advisor. Tools are needed by the second month of class.
- If courses are taken in the suggested order, student will earn the following Certificates:
 - Auto Electrical/Electronic Systems Technician (AE41) Certificate at the end of the 1st set
 - Automotive Engine Performance Technician (AE51) Certificate at the end of the 2nd set
 - Automotive Chassis Technician Specialist (ASG1) Certificate and Automotive Climate Control Technician (AH21) Certificate at the end of the 3rd set of courses

Additional information for the Automotive Technology Diploma and program requirements can be found at [GNTC 2024-2025 Catalog](#).