

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 2026-2027 academic year.



1st set of suggested courses

Course		Hours	Completed
AUTT 1010	Automotive Technology Introduction	2	☐
AUTT 1020	Automotive Electrical Systems	7	☐
AUTT 1030	Automotive Brake Systems	4	☐

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.

2nd set of suggested courses

Course		Hours	Completed
AUTT 1040	Automotive Engine Performance	7	☐
ENGL 1005 OR ENGL 1010	Applied Technical Communication OR Fundamentals of English I	3	☐
COMP 1000	Introduction to Computer Literacy	3	☐

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.

3rd set of suggested courses

Course		Hours	Completed
AUTT 1050	Automotive Suspension and Steering Systems	4	☐
AUTT 1060	Automotive Climate Control Systems	5	☐

4th set of suggested courses

Course		Hours	Completed
MATH 1012	Foundations of Mathematics	3	☐
EMPL 1000	Interpersonal Relations and Professional Development	2	☐

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 the Program Advisor for a 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
- The schedule for this program may vary depending on the campus attended. For specific course scheduling questions, please contact the campus program advisor.
- The program advisor for AE41 on the Floyd Campus is Pete Lute, dlute@gntc.edu.
- The program advisor for AE41 on the Walker Campus is Jose Zamora, izamora@gntc.edu.

Additional information for the Automotive Technology Diploma and program requirements can be found at [GNTC 2026-2027 Catalog](#).