

Air Conditioning Technology (ACT2)

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 pathway is based on the 2026-2027 academic year.



Please note: This eMap is for a full-time, day student in the Air Conditioning Technology Diploma program starting in Fall semester, however, students may enter the program any semester.

1 st set of suggested courses			
Course		Hours	Completed
AIRC 1005	Refrigeration Fundamentals	4	☐
AIRC 1010	Refrigeration Principles and Practices	4	☐
AIRC 1020	Refrigeration Systems Components	4	☐
AIRC 1030	HVACR Electrical Fundamentals	4	☐
ENGL 1005	Applied Technical Communication	3	☐

2 nd set of suggested courses			
Course		Hours	Completed
AIRC 1040	HVACR Electrical Motors	4	☐
AIRC 1050	HVACR Electrical Components and Controls	4	☐
AIRC 1060	Air Conditioning Systems Application and Installation	4	☐
AIRC 1070	Gas Heat	4	☐
MATH 1012	Foundation of Mathematics	3	☐

3 rd set of suggested courses			
Course		Hours	Completed
AIRC 1080	Heat Pumps and Related Systems	4	☐
AIRC 1090	Troubleshooting Air Conditioning Systems	4	☐
XXXX xxxx	Occupational Related Elective (See Program Advisor for List)	3	☐
EMPL 1000	Interpersonal Relations and Professional Development	2	☐

Total Credit Hours: 51 Minimum Credit Hours Required for Graduation

Air Conditioning Technology Diploma Program Planning Notes:

- Courses for this Diplomas are offered at the Floyd County Camps and Walker County Campus. Schedules may vary by campus.
- If courses are completed in the order as listed on this eMap, student will earn:
 - 1) AC Technician Assistant (AZ31) Certificate and Air Conditioning System Maintenance Technician (AZ21) Certificate at the end of the 1st set.
 - 2) AC Electrical Technician (ACK1) Certificate at the end of the 2nd set.
- Basic Skills Courses (ENGL 1010, EMPL 1000, MATH 1012) can be taken in any order, any semester where student has available hours. If student prefers, courses can also be taken as a 4th set of courses to help balance set loads.
- Program Advisor for Floyd County Campus is Chad Wheat, cwheat@gntc.edu
- Program Advisor for Walker County Campus is Jason Brown, jbrown@gntc.edu

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