

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 2024-2025 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.

1st set of suggested courses

Course	Hours	Completed
AIRC 1005 Refrigeration Fundamentals	4	<input type="checkbox"/>
AIRC 1010 Refrigeration Principles and Practices	4	<input type="checkbox"/>
AIRC 1020 Refrigeration Systems Components	4	<input type="checkbox"/>
AIRC 1030 HVACR Electrical Fundamentals	4	<input type="checkbox"/>
ENGL 1005 Applied Technical Communication	3	<input type="checkbox"/>

2nd set of suggested courses

Course	Hours	Completed
AIRC 1040 HVACR Electrical Motors	4	<input type="checkbox"/>
AIRC 1050 HVACR Electrical Components and Controls	4	<input type="checkbox"/>
AIRC 1060 Air Conditioning Systems Application and Installation	4	<input type="checkbox"/>
AIRC 1070 Gas Heat	4	<input type="checkbox"/>
MATH 1012 Foundation of Mathematics	3	<input type="checkbox"/>

3rd set of suggested courses

Course	Hours	Completed
AIRC 1080 Heat Pumps and Related Systems	4	<input type="checkbox"/>
AIRC 1090 Troubleshooting Air Conditioning Systems	4	<input type="checkbox"/>
XXXX xxxx Occupational Related Elective (Recommended course: COMP 1000, Introduction to Computer Literacy)	3	<input type="checkbox"/>
EMPL 1000 Interpersonal Relations and Professional Development	2	<input type="checkbox"/>

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.

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