

Automation and Robotics Technology I (EM81)

Certificate 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.



1 st set of suggested courses			
Course		Hours	Completed
IDSY 1111	Industrial Wiring	4	☐
IDSY 1112	Motor Controls I	4	☐
IDSY 2000	PLC 2000	4	☐

2 nd set of suggested courses			
Course		Hours	Completed
IDSY 1101	DC Circuit Analysis	3	☐
OR	OR		
IDFC 1011	Direct Current I		

3 rd set of suggested courses			
Course		Hours	Completed
IDSY 1105	AC Circuit Analysis	3	☐
OR	OR		
ELTR 1020	Alternating Current Fundamentals		
OR	OR		
IDFC 1012	Alternating Current I		

Total Credit Hours: 18 Minimum Credit Hours Required to Complete Certificate

Electrical Maintenance Technician Certificate Program Planning Notes:

- Courses for this Certificate are offered at the Floyd County Campus, Catoosa County Campus, and Whitfield Murray Campus. Schedules at each campus may vary.
- This program has a Fall start date.
- The Program Advisor for the Catoosa Campus is Cody Holloway, cholloway@gntc.edu.
- The Program Advisor for the Floyd Campus is Wesley Runyon, wrunyon@gntc.edu.
- The Program Advisor for the Whitfield Murray Campus is Scottie Spears, sspears@gntc.edu.

Additional information for the Automation and Robotics Technology I Certificate and program requirements can be found at [GNTC 2026-2027 Catalog](#).