

Industrial Electrical Controls (IE31)

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
MATH 1012	Foundations of Mathematics	3	☐
IDFC 1007	Industrial Safety Procedures	2	☐
IDFC 1012	Alternating Current I	3	☐

IDFC 1012 is the recommended course. Additional courses may be available to meet this requirement. See Course Catalog for more info.

2 nd set of suggested courses			
Course		Hours	Completed
ELTR 1180	Electrical Controls	4	☐
ELTR 1220	Industrial PLC's	4	☐

Total Credit Hours: 16 Minimum Credit Hours Required to Complete Certificate

Industrial Electrical Controls Certificate Planning Notes:

- Courses for this Certificate are offered at the Gordon County Campus.
- The Program Advisor for IE31 is Barry Williams bwilliams@gntc.edu

Additional information for the Industrial Electrical Controls Certificate and program requirements can be found at [GNTC 2026-2027 Catalog](#).