

Instrumentation and Controls Technician (IAC2)

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 follows the Floyd County Campus schedule.

1 st set of suggested courses			
Course		Hours	Completed
MATH 1012	Foundations of Mathematics	3	<input type="checkbox"/>
OR	OR		
MATH 1013	Algebraic Concepts		
IDSY 1101	DC Circuit Analysis	3	<input type="checkbox"/>
IDSY 1105	AC Circuit Analysis	3	<input type="checkbox"/>
ICET 2040	Fundamentals of Pressure, Temperature, Flow, and Level	5	<input type="checkbox"/>

IDSY 1101 and IDSY 1105 are the recommended courses. Additional courses may be available to meet these requirements. See Course Catalog.

2 nd set of suggested courses			
Course		Hours	Completed
ENGL 1010	Fundamentals of English I	3	<input type="checkbox"/>
EMPL 1000	Interpersonal Relations and Professional Development	2	<input type="checkbox"/>
IDSY 1110	Industrial Motor Controls I	4	<input type="checkbox"/>
IDSY 1120	Basic Industrial PLCs	4	<input type="checkbox"/>
IDSY 1230	Industrial Instrumentation	4	<input type="checkbox"/>

3 rd set of suggested courses			
Course		Hours	Completed
IDSY 2750	Human Machine Interface	4	<input type="checkbox"/>
IDSY 2800	Advanced Process Control	4	<input type="checkbox"/>

4 th set of suggested courses			
Course		Hours	Completed
IDSY 1210	Industrial Motor Controls II	4	<input type="checkbox"/>
IDSY 2830	Networking Industrial Equipment	4	<input type="checkbox"/>
IDSY 2850	Industrial Graphical Communication	4	<input type="checkbox"/>

Total Credit Hours: 51 Minimum Credit Hours Required for Graduation

Instrumentation and Controls Technician Diploma Program Planning Notes:

Courses for this program are offered at Catoosa County Campus and Floyd County Campus. Schedules at each campus may vary. This eMap follows the Floyd County Campus schedule.

Additional information for the Instrumentation and Controls Technician Diploma and program requirements can be found at [GNTC 2024-2025 Catalog](#).