

Instrumentation and Controls Technician (IA13)

Associate of Applied Science 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 eMap 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 1111	College Algebra	3	<input type="checkbox"/>
OR	OR		
MATH 1103	Quantitative Skills and Reasoning		
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"/>
ICET 2060	Instrumentation Maintenance and Calibration (Prerequisite: ICET 2040)	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 1101	Composition and Rhetoric	3	<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"/>
ICET 2080	Final Control Elements (Prerequisite: IDSY 2800)	4	<input type="checkbox"/>

3 rd set of suggested courses			
Course		Hours	Completed
XXXX xxxx	Social/Behavioral Sciences Elective	3	<input type="checkbox"/>
XXXX xxx	Humanities/Fine Arts Elective (Recommended: MUSC 1101, Music Appreciation)	3	<input type="checkbox"/>
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"/>

5 th set of suggested courses			
Course		Hours	Completed
PHYS 1110	Conceptual Physics (Prerequisite: ENGL 1101 and MATH 1101 or MATH 1103 or MATH 1111 / Corequisite: PHYS 1110L)	3	<input type="checkbox"/>
PHYS 1110L	Conceptual Physics Lab (Prerequisite: ENGL 1101 and MATH 1101 or MATH 1103 or MATH 1111 / Corequisite: PHYS 1110)	1	<input type="checkbox"/>

Total Credit Hours: 68 Minimum Credit Hours Required for Graduation

Instrumentation and Controls Technician Associates Degree Program Planning Notes:

- Courses for this Associates Degree are offered at Catoosa County Campus and Floyd County Campus. Schedule for each campus may vary. This eMap follows the Floyd County Campus schedule.

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