

Automation Technology (IS13)

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 pathway is based on the 2026-2027 academic year.



OCCUPATIONAL CURRICULUM (48 Credit Hours)

1 st set of suggested courses			
Course		Hours	Completed
IDSY 1101	DC Circuit Analysis (occurs in B-Term)	3	☐
IDSY 1105	AC Circuit Analysis (occurs in C-Term)	3	☐
IDSY 1171	Industrial Mechanics*	4	☐
IDSY 1111	Industrial Wiring	4	☐

IDSY 1101 and IDSY 1105 are the recommended courses as they may be pre-requisites or courses that help meet certificate requirements. Additional courses may meet this requirement. See Course Catalog for more info.

2 nd set of suggested courses			
Course		Hours	Completed
IDSY 1181	Fluid Power Systems*	4	☐
IDSY 1112	Motor Controls I (occurs in B-Term) (Prerequisites: IDSY 1101 and IDSY 1105)	4	☐
IDSY 1113	Motor Controls II (occurs in C-Term) (Prerequisite: IDSY 1105, IDSY 1101, IDSY 1112)	4	☐
IDSY 1191	Pumps and Piping Systems*	3	☐

3 rd set of suggested courses			
Course		Hours	Completed
IDSY 2000	PLC I (Prerequisite: IDSY 1105, IDSY 1101, IDSY 1112)	4	☐
IDSY 2001	PLC II (Prerequisite: IDSY 1105, IDSY 1101, IDSY 1112, IDSY 2000)	4	☐
XXXX xxxx	Occupational Elective: IDSY 1020, Print Reading and Problem Solving	3	☐
XXXX xxxx	Occupational Elective: IDFC 1007, Industrial Safety Procedures	2	☐

IDSY 1210 is strongly recommended to be taken prior to IDSY 1220. AUMF 2060 should be taken the same semester, or after completing, AUMF 1150.

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

Georgia Northwestern Technical College is a unit of the Technical College System of Georgia and an Equal Opportunity Institution.

Georgia Northwestern Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees.

4 th set of suggested courses			
Course		Hours	Completed
XXXX xxxx	Occupational Elective: AUMF 1150, Introduction to Robotics*	3	☐
XXXX xxxx	Occupational Elective: AUMF 2060, Work Cell Design*	3	☐

GENERAL EDUCATION CORE CURRICULUM (15 Credit Hours)

Please note: The General Education Core Curriculum can be taken during the 4th and 5th set or anytime a suggested course is not available and student needs another course to meet hours.

General Education Core			
Course		Hours	Completed
ENGL 1101	Composition and Rhetoric*	3	☐
XXXX xxxx	Humanities/ Fine Arts Elective*	3	☐
XXXX xxxx	Social/ Behavioral Sciences Elective*	3	☐
MATH 1103 OR MATH 1111	Quantitative Skills and Reasoning* OR College Algebra *	3	☐
XXXX xxxx	General Education Core Elective*	3	☐

Total Credit Hours: 63 Minimum Credit Hours Required for Graduation

Automation Technology AAS Degree Planning Notes:

- Courses for this Associates Degree are offered at the Floyd County Campus, Catoosa County Campus, and Whitfield Murray Campus. Schedules at each campus may vary.
- (*) Course can be taken any available semester. Course location/campus may vary.
- To complete a full-time schedule in the 4th set OR if an occupational curriculum course is at full capacity, student can be placed in a general education course and/or occupational elective course if they are open.
- If AUMF courses are completed where suggested for the Occupational Electives (3rd set), student will also earn a Robotic Technician (RT41) Certificate at Graduation.
- The Program Advisor for IS13 on the Floyd Campus is Wesley Runyon, wrunyon@gntc.edu.
- The Program Advisor for IS13 on the Catoosa Campus is Cody Holloway, cholloway@gntc.edu.
- The Program Advisor for IS13 on the Whitfield Murray Campus is Scottie Spears, sspears@gntc.edu.