

Robotic Technician (RT41)

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 2024-2025 academic year.



1st set of suggested courses

Course	Hours	Completed
IDSY 1190 Fluid Power Systems*	4	<input type="checkbox"/>
IDSY 1195 Pumps and Piping Systems*	3	<input type="checkbox"/>
AUMF 1150 Introduction to Robotics*	3	<input type="checkbox"/>
AUMF 2060 Work Cell Design Laboratory*	2	<input type="checkbox"/>

AUMF 2060 should be taken the same semester, or after completing, AUMF 1150.

2nd set of suggested courses

Course	Hours	Completed
IDSY 1120 Basic Industrial PLC's (Prerequisite: IDSY 1105, IDSY 1101, and IDSY 1110 OR comparable experience with electrical theory, relay logic, and hard wiring of motor control center circuits)	4	<input type="checkbox"/>

3rd set of suggested courses

Course	Hours	Completed
IDSY 1220 Intermediate Industrial PLC's (Prerequisite: IDSY 1105, IDSY 1101, IDSY 1110, and IDSY 1120 OR comparable experience with electrical theory, relay logic, and hard wiring of motor control center circuits, and experience in basic hard wiring, networking, and basic programming of Allen Bradley SLC5, RSLogix 5000, Click PLC, and interfacing with Rockwell Automation software)	4	<input type="checkbox"/>

Total Credit Hours: 20 Minimum Credit Hours Required for Graduation

Robotic Technician Certificate Planning Notes:

- Courses for this Certificate are offered at the Floyd County Campus and Catoosa County Campus. Schedules at each campus may vary.
- (*) Course can be taken any available semester. Course location/campus may vary.
- AUMF 1150 and AUMF 2060 are only be held on the FCC during the Summer semester
- Because of strongly suggested prerequisites and class availability, a student without previous comparable knowledge and experience as stated below should not start this program during the Spring semester.
- In the case a student is new to the field, it is advised to also enroll in any of the following programs while also obtaining this certificate:
 - Industrial Systems Technology AAS Degree (IS13),
 - Industrial Systems Technology Diploma (IST4),
 - OR Electrical Control Systems Diploma (EC22)

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