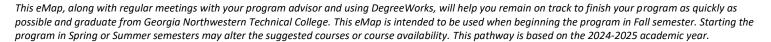
Industrial Systems Technology (IST4) Diploma eMap





OCCUPATIONAL CURRICULUM (38 Credit Hours)

1st set of suggested courses				
Course		Hours	Completed	
IDSY 1101	DC Circuit Analysis (occurs in MiniMester A)*	3		
IDSY 1105	AC Circuit Analysis (occurs in MiniMester B)*	3		
IDSY 1190	Fluid Power Systems *	4		
IDSY 1130	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 1170	Industrial Mechanics*	4	
IDSY 1110	Industrial Motor Controls I (Prerequisites: IDSY 1101 and IDSY 1105)	4	
XXXX xxxx	Occupational Elective: IDSY 1020, Print Reading and Problem Solving (Corequisite: IDSY 1110)	3	

3 rd set of suggested courses				
Course		Hours	Completed	
XXXX xxxx	Occupational Elective (Recommended Course: ISDY 1210 Industrial Motor Controls II, Prerequisite: IDSY 1105, IDSY 1101, IDSY 1110)	4		
IDSY 1195	Pumps and Piping Systems*	3		
AUMF 1150**	Introduction to Robotics* (Optional Course)	3		
AUMF 2060**	Work Cell Design* (Optional Course)	2		

4 th set of suggested courses			
Course		Hours	Completed
IDSY 1120	Basic Industrial PLC's (Prerequisite: IDSY 1105, IDSY 1101, IDSY 1110)	4	
XXXX xxxx	Occupational Elective	3	

5 th set of suggested courses			
Course		Hours	Completed
IDSY 1220**	Intermediate Industrial PLC's (Prerequisite: IDSY 1105, IDSY 1101, IDSY 1110, IDSY 1120) (Optional Course)	4	

BASIC SKILLS COURSES (8 Credit Hours)

Please note: Basic Skills Courses can be taken during the 4^{th} and 5^{th} set or anytime a suggested course is not available and student needs another course to meet hours.

Basic Skills Courses			
Course		Hours	Completed
ENGL 1005	Applied Technical Communication	3	
EMPL 1000	Interpersonal Relations and Professional Development	2	
MATH 1012 OR MATH 1013	Foundations of Mathematics OR Algebraic Concepts	3	

Total Credit Hours: 46 Minimum Credit Hours Required for Graduation

Industrial Systems Technology Diploma Planning Notes:

- Courses for this Diploma 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.
- (**) Optional Course: AUMF 1150, AUMF 2060, and IDSY 1220 are not required for the Industrial Systems Diploma; however, it does fulfill a requirement to earn a Robotic Technician (RT41) Certificate.
- To complete a full-time schedule in the 4th or 5th set OR if an occupational course is at full
 capacity, student can be placed in a basic skills course and/or occupational elective course if
 they are open.
- If courses are completed in the order as listed on this eMap, student will earn:
 - (1) Industrial Fluid Power (IF11) Certificate at the end of the 3rd set.
 - (2) Robotic Technician (RT41) Certificate at Graduation, if AUMF 1150, AUMF 2060, and IDSY1220 are completed where suggested in the 3rd and 5th set.

Additional information for the Robotic Technician Certificate and program requirements can be found at <u>GNTC 2024-2025 Catalog</u>.