

Automation Engineering Technology (AET3)

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 2026-2027 academic year.



1 st set of suggested courses			
Course		Hours	Completed
ENGT 1000	Introduction to Engineering Technology	3	☐
ECET 1102	Circuit Analysis I (Corequisite: ECET 1102L, ENGT 1000, MATH 1111)	3	☐
ECET 1102L	Circuit Analysis I Lab (Corequisite: ECET 1102, ENGT 1000, MATH 1111)	1	☐
MATH 1111	College Algebra	3	☐
ENGL 1101	Composition and Rhetoric	3	☐

2 nd set of suggested courses			
Course		Hours	Completed
IDSY 1112	Motor Controls I	4	☐
ECET 2102	Circuit Analysis II (Prerequisite: ECET 1102, ECET 1102L, MATH 1111 / Corequisite: ECET 2102L)	3	☐
ECET 2102L	Circuit Analysis II Lab (Prerequisite: ECET 1102, ECET 1102L, MATH 1111 / Corequisite: ECET 2102)	1	☐
MATH 1113	Precalculus (Prerequisite: MATH 1111)	3	☐
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐

3 rd set of suggested courses			
Course		Hours	Completed
IDSY 2000	PLC I	4	☐
ECET 2000	Engineering Economics and Management	3	☐
XXXX xxxx	Social/ Behavioral Sciences Elective	3	☐

Total Credit Hours: 72 Minimum Credit Hours Required for Graduation

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

The program advisor for AET3 is Ronny (Darrell) Huggins, rhuggins@gntc.edu.

4 th set of suggested courses			
Course		Hours	Completed
ICET 1191	Computer Programming Fundamentals	3	☐
AUMF 1150	Introduction to Robotics	3	☐
AUMF 2060	Work Cell Design Laboratory	2	☐
DFTG 2010	Engineering Graphics	4	☐
MATH 1131	Calculus I (Prerequisite: MATH 1113)	4	☐
PHYS 1111	Introductory Physics I	3	
PHYS 1111 L	Introductory Physics I Lab	1	

5 th set of suggested courses			
Course		Hours	Completed
IDSY 2750	Human Machine Interface	4	☐
IDSY 1230	Instrumentation	4	☐
IDSY 1310	Industrial Systems Review	3	☐
OR	OR	OR	
IDSY 1181	Fluid Power Systems	4	

6 th set of suggested courses			
Course		Hours	Completed
IDSY 2800	Advanced Process Control	4	☐
EMET 2900	Capstone Project	3	☐
OR	OR		
ENGT 2500	Engineering Internship		

Automation Engineering Technology AAS Degree Program Planning Notes:

- Courses for this program are offered at the Whitfield Murray Campus.
- Students should begin this program in Fall semester to stay on track with courses. If a student gets out of cycle or does not begin in the Fall semester, they must take core classes until Fall semester begins.
- Students will need to take motor control courses (IDSY 1110) before any PLC courses (IDSY 1120). If courses are completed in the order as listed on this eMap, student will earn a Engineering Technology Basics (EBT1) Certificate at the end of the 3rd set.