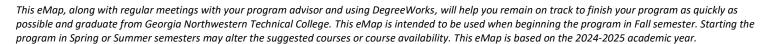
## Automation Engineering Technology (AET3) Associate of Applied Science eMap



**DFTG 2010** 

**PHYS 1111L** 



1

1st 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 <sup>nd</sup> set of suggested courses			
Course		Hours	Completed
IDSY 1110	Industrial 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 <sup>rd</sup> set of suggested courses			
Course		Hours	Completed
IDSY 1120	Basic Industrial PLCs	4	
ECET 2000	Engineering Economics and Management	3	
XXXX xxxx	Social/ Behavioral Sciences Elective	3	

4 <sup>th</sup> set of suggested courses			
Course		Hours	Completed
ECET 1191	Computer Programming Fundamentals	3	
AUMF 1150	Introduction to Robotics	3	
AUMF 2060	Work Cell Design Laboratory	2	

5th set of suggested courses			
Course		Hours	Completed
IDSY 2750	Human Machine Interface	4	
IDSY 1230	Industrial Instrumentation	4	
IDSY 1310	Industrial Systems Review	3	
OR	OR	OR	
IDSY 1190	Fluid Power	4	
PHYS 1111	Introductory Physics I (Prerequisite: ENGL 1101, MATH 1111, MATH 1113)	3	

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

Introductory Physics Lab I (Prerequisite: ENGL

1101, MATH 1111, MATH 1113)

**Total Credit Hours: 72 Minimum Credit Hours Required for Graduation** 

**Engineering Graphics** 

## **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 3<sup>rd</sup> set.

## Automation Engineering Technology (AET3) Associate of Applied Science eMap



TECHNICAL COLLEGE

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.

Additional information for the Automation Engineering Technology AAS Degree and program requirements can be found at <a href="MRIC 2024-2025 Catalog">GNTC 2024-2025 Catalog</a>.