

Precision Machining and Manufacturing (MT13)

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
MATH 1111	College Algebra	3	☐
MCHT 1012	Print Reading for Machine Tool	3	☐
MCHT 1011	Introduction to Machine Tool	4	☐
MCHT 1119	Lathe Operations I	4	☐

MATH 1111 is the recommended course. Additional courses may be available to meet this requirement. See Course Catalog for more info.

2 nd set of suggested courses			
Course		Hours	Completed
MCHT 1120	Mill Operations I	4	☐
ENGL 1101	Composition and Rhetoric	3	☐
MCHT 1013	Machine Tool Math	3	☐
AMCA 2110	CNC Fundamentals	4	☐

MCHT 1013 is the recommended course. Additional courses may be available to meet this requirement. See Course Catalog for more info.

3 rd set of suggested courses			
Course		Hours	Completed
AMCA 2150	CNC Lathe Programming	5	☐
XXXX xxxx	Social/ Behavioral Science Elective (Recommended course: PSYC 1101, Introductory Psychology)	3	☐
AMCA 2190	CAD/ CAM Programming	4	☐

4 th set of suggested courses			
Course		Hours	Completed
AMCA 2130	CNC Mill Programming	5	☐
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐
MCHT 1220	Mill Operations II	4	☐
XXXX xxxx	Occupational Elective (Any AMCA, MCHT, WELD, IDSY course)	3	☐

5 th set of suggested courses			
Course		Hours	Completed
MCHT 1219	Lathe Operations II	4	☐
MCHT 1020	Heat Treatment and Surface Grinding	4	☐
XXXX xxxx	General Education Core Elective	3	☐

Total Credit Hours: 66 Minimum Credit Hours Required for Graduation

Precision Machining and Manufacturing AAS Planning Notes:

- Classes for this Certificate are offered at the Floyd County Campus and the Whitfield Murray Campus. Schedules at each campus may vary.
- Floyd County Campus program advisor: Bart Jenkins, bjenkins@gntc.edu
- Whitfield Murray Campus program advisor: Cory Horton, chorton@gntc.edu

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