

Precision Machining and Manufacturing (MTT2)

Diploma 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 2026-2027 academic year.



1 st set of suggested courses			
Course		Hours	Completed
MCHT 1011	Introduction to Machine Tool	4	☐
MCHT 1012	Print Reading for Machine Tool	3	☐
MCHT 1119	Lathe Operations I	4	☐
MATH 1012	Foundations of Mathematics	3	☐

2 nd set of suggested courses			
Course		Hours	Completed
MCHT 1120	Mill Operations I	4	☐
MCHT 1013	Machine Tool Math	3	☐
EMPL 1000	Interpersonal Relations and Professional Development	2	☐

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
MCHT 1020	Heat Treatment and Surface Grinding	4	☐
MCHT 1219	Lathe Operations II	4	☐
ENGL 1005	Applied Technical Communication	3	☐

MCHT 1020 is the recommended course. Additional courses may be available to meet this requirement. See Course Catalog for more info.

4 th set of suggested courses			
Course		Hours	Completed
AMCA 2110	CNC Fundamentals	4	☐
MCHT 1220	Mill Operations II	4	☐
MCHT xxxx	Occupational Elective (See Advisor for approved list)	3	☐

Total Credit Hours: 45 Minimum Credit Hours Required for Graduation

Precision Machining and Manufacturing Diploma 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 Diploma and program requirements can be found at [GNTC 2026-2027 Catalog](#).