

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 2024-2025 academic year.



1 st set of suggested courses			
Course		Hours	Completed
MATH 1111	College Algebra	3	<input type="checkbox"/>
MCHT 1012	Print Reading for Machine Tool	3	<input type="checkbox"/>
MCHT 1011	Introduction to Machine Tool	4	<input type="checkbox"/>
MCHT 1119	Lathe Operations I	4	<input type="checkbox"/>

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	<input type="checkbox"/>
ENGL 1101	Composition and Rhetoric	3	<input type="checkbox"/>
MCHT 1013	Machine Tool Math	3	<input type="checkbox"/>
AMCA 2110	CNC Fundamentals	4	<input type="checkbox"/>

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 Manual Programming	5	<input type="checkbox"/>
XXXX xxxx	Social/ Behavioral Science Elective (Recommended course: PSYC 1101, Introductory Psychology)	3	<input type="checkbox"/>
AMCA 2190	CAD/ CAM Programming	4	<input type="checkbox"/>

4 th set of suggested courses			
Course		Hours	Completed
AMCA 2130	CNC Mill Manual Programming	5	<input type="checkbox"/>
XXXX xxxx	Humanities/ Fine Arts Elective	3	<input type="checkbox"/>
MCHT 1220	Mill Operations II	4	<input type="checkbox"/>
XXXX xxxx	Occupational Elective (Any AMCA, MCHT, WELD, IDSY course)	3	<input type="checkbox"/>

5 th set of suggested courses			
Course		Hours	Completed
MCHT 1219	Lathe Operations II	4	<input type="checkbox"/>
MCHT 1020	Heat Treatment and Surface Grinding	4	<input type="checkbox"/>
XXXX xxxx	General Education Core Elective	3	<input type="checkbox"/>

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.

Additional information for the Precision Machining and Manufacturing AAS Degree and program requirements can be found at [GNTC 2024-2025 Catalog](#).