

MACHINE TOOL TECHNOLOGY - INTERMEDIATE TECHNICAL CERTIFICATE (ITC)

Explore More About This Program: <https://cwi.edu/program/machine-tool-technology>

Certificate Plan: Fall Start

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this course sequence plan. Please register for each semester as shown using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this course sequence plan.

First Year

Fall		Credit Hours
First 8-Week Session		
MACH 103	Machine Shop Laboratory I	3
MACH 153	Machine Shop Theory I	2
Second 8-Week Session		
MACH 104	Machine Shop Laboratory II	3
MACH 154	Machine Shop Theory II	2
Full 16-Week Session		
MACH 126	Related Blueprint Reading I	2
Total Semester Credit Hours		12

Spring

Full 16-Week Session		
MACH 105	Machine Shop Laboratory III	6
MACH 127	Related Blueprint Reading II	2
MACH 155	Machine Shop Theory III	2
MACH 224	Tool Design for Manufacturing	2
Total Semester Credit Hours		12

Second Year

Fall		Credit Hours
Full 16-Week Session		
Complete one of the following options: ¹		12
MACH 203 CNC Machining Center Lab & MACH 253and CNC Machining Center Theory and Computer-Aided Manufacturing & MACH 212		
MACH 204 CNC Turning Center Lab & MACH 254and CNC Turning Center Theory and Fundamentals of Computer-Aided & MACH 210Drafting and Design		
Total Semester Credit Hours		12

Spring

Full 16-Week Session		
Complete one of the following options: ¹		12

MACH 204 CNC Turning Center Lab
& MACH 254and CNC Turning Center Theory
and Fundamentals of Computer-Aided
& MACH 210Drafting and Design

MACH 203 CNC Machining Center Lab
& MACH 253and CNC Machining Center Theory
and Computer-Aided Manufacturing
& MACH 212

Total Semester Credit Hours 12

Minimum Credit Hours Required 48

¹ The Machine Tool Technology program will work individually with second-year students and assign them to a group that will take MACH 203, MACH 253, and MACH 212 in their third semester and MACH 204, MACH 254, and MACH 210 in their fourth semester, or the inverse.