

MACHINE TOOL TECHNOLOGY - ADVANCED TECHNICAL CERTIFICATE (ATC)

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

Certificate Quick Facts

- **Instructional School:** Industry, Engineering, and Trades
- **Department:** Manufacturing and Welding
- **Program Code:** MACH.ATC
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

Certificate Requirements

Course	Course Title	Min Credits
General Education Requirements		
<i>Choose one of the following courses to complete the GEM 1 or GEM 2 requirement:</i>		
Select one of the following:		
	<u>GEM 1 - Written Communication course</u>	3
	<u>GEM 2 - Oral Communication course</u>	
<i>Complete the following course to fulfill the GEM 3 requirement:</i>		
	<u>GEM 3 - Mathematical Ways of Knowing course</u>	3
<i>Complete the following course to fulfill the GEM 6 requirement:</i>		
	<u>GEM 6 - Social & Behavioral Ways of Knowing course</u>	3
Major Requirements		
MACH 103	Machine Shop Laboratory I	3
MACH 104	Machine Shop Laboratory II	3
MACH 105	Machine Shop Laboratory III	6
MACH 126	Related Blueprint Reading I	2
MACH 127	Related Blueprint Reading II	2
MACH 153	Machine Shop Theory I	2
MACH 154	Machine Shop Theory II	2
MACH 155	Machine Shop Theory III	2
MACH 203	Advanced Machine Shop Laboratory I	6
MACH 204	Advanced Machine Shop Laboratory II	6
MACH 210	Fundamentals of Computer-Aided Drafting and Design	3
MACH 212	Computer-Aided Manufacturing	3
MACH 224	Tool Design for Manufacturing	2
MACH 253	Advanced Machine Shop Theory I	3
MACH 254	Advanced Machine Shop Theory II	3
Minimum Credit Hours Required		57