MACHINE TOOL TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Explore More About This Program: https://cwidaho.cc/program/machine-tool-technology

Degree Requirements

Course	Course Title	Min Credits
General Education Requirements		
Complete the following course to fulfill the GEM 1 requirement:		
GEM 1 - Written Communication course		3
Complete the following course to fulfill the GEM 2 requirement:		
GEM 2 - Oral Communication course		3
Complete the following course to fulfill the GEM 3 requirement:		
GEM 3 - Mathematical Ways of Knowing course		3
Complete the following course to fulfill the GEM 6 requirement:		
GEM 6 - Social & Behavioral Ways of Knowing course		3
Complete the following course to fulfill the General Education Elective requirement:		
GE Elective course		3
Major Requirements		
MACH 103	Machine Shop Laboratory 1	3
MACH 104	Machine Shop Laboratory 2	3
MACH 105	Machine Shop Laboratory 3	6
MACH 126	Related Blueprint Reading 1	2
MACH 127	Related Blueprint Reading 2	2
MACH 143	Related Machine Shop Mathematics	3
MACH 153	Machine Shop Theory 1	2
MACH 154	Machine Shop Theory 2	2
MACH 155	Machine Shop Theory 3	2
MACH 203	Advanced Machine Shop Laboratory 1	6
MACH 204	Advanced Machine Shop Laboratory 2	6
MACH 211	Fund of Computer-Aided Drafting & Design	2
MACH 212	Computer-Aided Manufacturing	3
MACH 224	Tool Design for Manufacturing	2
MACH 225	Geometric Dimensioning & Tolerancing	2
MACH 253	Advanced Machine Shop Theory 1	3
MACH 254	Advanced Machine Shop Theory 2	3
Minimum Credit Hours Required		67

Plan of Study Guide

Below is the required sequence of courses that you need to take in order to complete your degree and/or certificate requirements. Please register for each semester as shown below using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this degree plan.

Course	Title	Credit Hours
First Year		
Fall		
MACH 103	Machine Shop Laboratory 1	3
MACH 104	Machine Shop Laboratory 2	3
MACH 126	Related Blueprint Reading 1	2
MACH 143	Related Machine Shop Mathematics	3
MACH 153	Machine Shop Theory 1	2
MACH 154	Machine Shop Theory 2	2
GEM 2 - Oral Communication course		3
	Total Semester Credit Hours	18
Spring		
MACH 105	Machine Shop Laboratory 3	6
MACH 127	Related Blueprint Reading 2	2
MACH 155	Machine Shop Theory 3	2
MACH 224	Tool Design for Manufacturing	2
GEM 3 - Mathematical Ways of Knowing course		3
	Total Semester Credit Hours	15
Second Year		
Fall		
MACH 203	Advanced Machine Shop Laboratory 1	6
MACH 212	Computer-Aided Manufacturing	3
MACH 225	Geometric Dimensioning & Tolerancing	2
MACH 253	Advanced Machine Shop Theory 1	3
GEM 1 - Written Communication course		3
	Total Semester Credit Hours	17
Spring		
MACH 204	Advanced Machine Shop Laboratory 2	6
MACH 211	Fund of Computer-Aided Drafting & Design	2
MACH 254	Advanced Machine Shop Theory 2	3
GEM 6 - Social & Behavioral Ways of Knowing course		3
GE Elective course		3
	Total Semester Credit Hours	17
	Minimum Credit Hours Required	67

Program Outcomes

The following are student learning outcomes for the Associate of Applied Science in Machine Tool Technology at CWI:

- Graduates will demonstrate mastery of entry level machining skills on the basic machine shop equipment including, but not limited to, the following: grinders, band saws, drill presses, engine lathe, vertical mill, and surface grinders.
- Graduates will communicate effectively with industry peers in the vernacular of professional trades-persons.
- Graduates will exhibit desirable work habits, ideals, and attitudes essential to successful job performance.
- Graduates will be employed in their field within three months of graduation.