

MACHINE TOOL TECHNOLOGY

Faculty

Quigley

The major objectives of the machine tool technology program at Casper College are:

1. To provide training in machine tool operation, processes, tooling, and allied areas, so that the graduate may obtain employment within machine shops or maintenance shops.
2. To provide a background for those students who will be continuing their education for a four-year degree in related fields.

The machine tool technology certificate program consists of 39 credits within the technical areas. It has been organized for full-time or part-time attendance. Full-time students can complete the certificate requirements within two semesters.

Note: To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

Associate of Applied Science Degree Machine Tool Technology

(Recommended Curriculum)

General Education (Minimum 17 credits) Credits

General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation (One course minimum)
 - Science
 - Mathematics
2. Communication (One course minimum)
 - Written or spoken communication
3. Relationship with the World (One course minimum)
 - Human behavior
 - U.S. and Wyoming constitutions..... 1-3
 - Cultural environment
4. General Education Electives
 - Must be chosen from areas 1, 2, or 3 above.
5. Physical Education1

Major Requirements

ENTK	2500	Computer Aided Drafting I	2
MCHT	1570	Machine Trades Computations	2
MCHT	1640	Basic Machining Practice	10
MCHT	1650	Intermediate Machining Practice	10
MCHT	1680	Blue Print Reading	2
MCHT	1980	Cooperative Work Experience	or
MCHT	2650	Advanced Machining Practice	9
MCHT	2780	Computer Numerical Control I	4
MCHT	2790	Computer Numerical Control II	4
MCHT	2800	Computer Assisted Manufacturing	3
WELD	1700	General Welding	2
WELD	1820	GMAW and GTAW Welding	2
WELD	2680	Welding Metallurgy	3

To graduate with a certificate or degree, students must earn a "C" or better in all major requirements.

A minimum of 64 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

Machine Tool Technology Certificate

(Certificate Requirements)

CMAP	1500	Computer Keyboarding	1
ENTK	1510	Drafting I.....	4
MCHT	1570	Machine Trades Computations.....	2
MCHT	1640	Basic Machining Practice	10
MCHT	1650	Intermediate Machining Practice	10
MCHT	1680	Blueprint Reading.....	2
MCHT	2780	Computer Numerical Control I	or
MCHT	2790	Computer Numerical Control II.....	4
WELD	1700	General Welding.....	2
WELD	1820	GMAW and GTAW Welding.....	2
WELD	2680	Welding Metallurgy.....	3
		Total	39

For specific graduation requirements see "Academic Policies" and "Degree Requirements."