

MACHINE TOOL TECHNOLOGY

Faculty

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 Education 1

Major Requirements

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 Blue Print Reading	2
MCHT 1980 Cooperative Work Experience or	
MCHT 2650 Advanced Machining Practice	9
MCHT 2780 Computer Numerical Control	
(CNC) Machining Center	4
MCHT 2790 Computer Numerical Control	
(CNC) Turning Center	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)

CMAF 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	
(CNC) Machining Center or	
MCHT 2790 Computer Numerical Control	
(CNC) Turning Center	4
WELD 1700 General Welding	2
WELD 1820 GMAW and GTAW Welding	2
WELD 2680 Welding Metallurgy	3
Total	40

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