

# MANUFACTURING TECHNOLOGY

## Faculty

Quigley, Steinle

This program is designed to prepare students for the manufacturing with automation control industry. Students will receive the basics in machine tool and welding skills as well as hands-on courses in industrial control processes.

## Associate of Applied Science Degree Manufacturing 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
  - Writing 3
  - Communications..... 3
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

COSC	1200	Computer Information Systems.....	3
ELTR	1515	Basic AC/DC.....	2
ELTR	2580	Motor and Process Control.....	4
ELTR	2815	Programmable Logic Controllers.....	4
ROBO	1610	Introduction to Robotics.....	2
ROBO	1615	Competition Robotics I.....	2
MCHT	1610	Machine Tool Technology I.....	2
WELD	1700	General Welding.....	2.5
		*Electives.....	25.5

\*Electives must be chosen from courses in the following programs: automotive technology, construction, diesel power, drafting and design technology, electronics, machine tool technology, and welding.

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

## Manufacturing Technology Certificate (Certificate Requirements)

### Minimum 30 Credits

COSC	1200	Computer Information Systems.....	3
ELTR	1515	Basic AC/DC.....	2
ELTR	2580	Motor and Process Control.....	4
ELTR	2815	Programmable Logic Controllers.....	4
ROBO	1610	Introduction to Robotics.....	2
ROBO	1615	Competition Robotics I.....	2
MCHT	1610	Machine Tool Technology I.....	2
WELD	1700	General Welding.....	2.5
		*Electives.....	8.5

\*Electives must be chosen from courses in the following programs: automotive technology, construction, diesel power, drafting and design technology, electronics, machine tool technology, and welding.

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