

Academic Pathways Map

Manual Machining

C.A.S.

Industry and Trades

Start Here

| SEMESTER 1 | | CREDITS | MILESTONE | ✓ |
|------------|-------------------------------|---------|-----------|---|
| M111 | Technical Mathematics | 3 | | |
| MCH130 | Machine Shop | 3 | * | |
| MCH132 | Introduction to Engine Lathes | 5 | * | |
| MCH134 | Introduction to Mills | 5 | * | |
| MCH240 | Metallurgy | 2 | | |

TOTAL CREDITS 18

| SEMESTER 2 | | CREDITS | MILESTONE | ✓ |
|------------|--------------------------------------|---------|-----------|---|
| COMX106 | Communicating In A Dynamic Workplace | 3 | | |
| MCH136 | Advanced Lathes | 5 | | |
| MCH137 | Advanced Mills | 5 | | |
| MCH139 | Grinding Applications | 2 | | |
| MCH245 | Shop Practices | 2 | | |
| DDSN132 | Mastercam Solids | 2 | | |

TOTAL CREDITS 19

You are finished!

Pathway Advising Notes: -Classes must be taken in the order outlined on this pathway map, beginning in the fall semester. This includes M111 and COMX106.

-Program requires full-time enrollment (unless granted permission by the instructor).

-In order to advance, all previous semester classes must be passed with a C- or better.

-The C.A.S. in Manual Machining is the first year of the A.A.S. in CNC Machining. Refer to the A.A.S. CNC Machining pathway map for the second-year classes.

-Machining students must purchase tools, but it is best to wait until orientation or the first day of class to get specific recommendations from your instructor. Please refer to the Helena College Catalog for a list of required tools.

Course Advising Notes: M111: This is the math class recommended for students in skilled trades programs, but other higher math classes may be substituted. Your advisor can help determine placement.