Tool and Die/Moldmaking (BP) Diploma

Semester Sequence - Part-Time

Offered at Brooklyn Park Only

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First Semester MACH1056 MACH1100 MACH1105	Blueprint Reading I Introduction to Machining Technology Drilling and Sawing Processes	3 3 2
Total Credits 8		
Second Semester MACH1110 MACH1125 MACH1135	Turning Technology I Milling Technology I Precision Grinding	3 3 2
Total Credits 8		
Summer Semester	Technical Studies Electives	3
Total Credits 3		
Third Semester MACH1120 MACH1130 MACH2425	Turning Technology II Milling Technology II Geometry/Trigonometry for Machinists	3 3 2
Total Credits 8		
Fourth Semester MACH1140 MACH2410 MACH2450	Introduction to CNC CAD/CAM Fundamentals of EDM	3 3 2
Total Credits 8		
Summer Semester	Technical Studies Electives	3
Total Credits 3		
Fifth Semester MACH2400 MACH2406 MACH2415	CNC Setup and Operation CNC Programming CNC Milling	3 3 3
Total Credits 9		
Sixth Semester MACH2455 MACH2460 MACH2465	Die/Mold Design Die Construction Mold Construction	3 3 3
Total Credite 9		

Total Credits 9







Seventh Semeste	r	
MACH2420	Blueprint Reading II for Machinists	2
MACH2500	Introduction to Swiss-Style Machining	3
	Technical Studies Electives	3

Total Credits 8

Technical Studies Electives

Recommended: MACH1145 MACH1900 MACH2430 MACH2435 MACH2440 MACH2600 MACH2610	Machinists Reference Materials Specialized Lab CNC Machining Centers CNC Turning Centers Quality Assurance Introduction to Quality Assurance Inspection Processes	1 1 - 4 3 2 3 3 3
MACH2615	Inspection Equipment and Techniques	3
MACH2620	Quality Systems	3
MACH2625	Computer Analysis of Manufacturing Data	2
METS1000	Computers in Manufacturing	3
ENGC1050	Additive Manufacturing	3
ENGC1250	SOLIDWORKS I	4

Choose a Total of: 9 Credits

Graduation (64 Credits)

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

3/2/2023 : BP 4307 / EP



