

Machining Technologies Pathway Map

Associate in Applied Science

90-96 Credits

Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8
Transition Studies	ENGL 090 (5cr) <i>Integrated Reading and Writing I</i> ENGL 095 (5cr) <i>Integrated Reading and Writing II</i>	CMT 100 (5cr) <i>Survey of Advanced Machining</i> Fall only	CMT 101 (5cr) <i>Introduction to Machining</i> Winter only for the 101/102/103 series	CMT 105 (3cr) <i>Inspection/Quality Control</i> Spring only for the 105/106/107 series	CMT 109 (6cr) <i>CNC Mills and Lathes</i> Fall only for the 109/110 series	CMT 201 (5cr) <i>Advanced Machining (Mills and Lathes)</i> Winter only for the 201/230 series	CMT 250 (7cr) <i>Machining Production</i> Spring only
	MATH 101 (5cr) <i>Technical Mathematics I</i>	ENGL 098 (5cr) <i>Transitional English Composition</i> ENGL& 101 (5cr) <i>English Composition I</i>	CMT 102 (5cr) <i>Measurement, Materials and Safety</i>	CMT 106 (5cr) <i>Fundamentals of Machining</i>	CMT 110 (6cr) <i>CNC Programming</i>	CMT 130 (5cr) <i>3D Printing- Additive Manufacturing</i> Summer and Winter only for 130	Choose at least two of the following: CMT 231 (3cr) <i>Programming Specialization</i> CMT 232 (3cr) <i>Repair Specialization</i> CMT 233 (3cr) <i>Set-up Specialization</i> CMT 234 (3cr) <i>Additive Manufacturing Specialization</i> Spring only
	CCS 101 (3cr) <i>Pathways to Success</i>	Choose One (5cr): <i>(Human Relations/Diversity) (Recommended)</i> KINS 150 (5cr) <i>Introduction to Adaptive Physical Activity: Diversity</i> PSYC 116 (5cr) <i>Psychology of Human Relations: Diversity</i> CMST& 210 (5cr) <i>Interpersonal Communication: Diversity</i> CMST 240 (5cr) <i>Intercultural Communication: Diversity</i> HUM 121 (5cr) <i>Multicultural America: Diversity</i>	CMT 103 (3cr) <i>Print Reading for Machine Trades</i>	CMT 107 (5cr) <i>Job Planning, Benchwork, and Layout</i>		CMT 230 (6cr) <i>Survey of Manufacturing Specializations</i>	

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Basic Machining Technologies Pathway Map

Certificate of Proficiency

39 Credits

(Replaces current Computer Numerical Control Technician certificate.)

Qtr. 1	Qtr. 2	Qtr. 3
CMT 100 (5cr) <i>Survey of Advanced Machining</i> Fall only	CMT 101 (5cr) <i>Introduction to Machining</i> Winter only for the 101/102/103 series	CMT 105 (3cr) <i>Inspection/Quality Control</i> Spring only for the 105/106/107 series
CCS 101 (3cr) <i>Pathways to Success</i>	CMT 102 (5cr) <i>Measurement, Materials and Safety</i>	CMT 106 (5cr) <i>Fundamentals of Machining</i>
CMT 130 (5cr) <i>3D Printing- Additive Manufacturing***</i>	CMT 103 (3cr) <i>Print Reading for Machine Trades</i>	CMT 107 (5cr) <i>Job Planning, Benchwork, and Layout</i>

***** NOTE: CMT 130 is offered in summer and winter quarters.**