

MECH. TECHNICIAN-CNC & PRECISION MACHINING. (T173) Winter 2020 PATHWAY

Please note that students who enter T173 in Winter 2020 will complete their program in **August 2021** and will participate in the **2022 Convocation Ceremonies**.

Semester 1: Winter 2020 [2019-02]

Course Code	Course Title	Pre-Requisite	Hrs/wk
EMNG 1001	Circuit Analysis		5
EMNG 1004	Metrology		2
MENG 1002	Engineering Drawing		3
MENG 1027	Introduction to Machining		4
GSSC 1027	Personal Finance		3
MATH 1160	Mathematics for Engineering Technology 1		3
COMM 1007*	College English		3
		Total Hours	23

*Depending on the results of your placement test, you may be required to take Foundation Level Communications: COMM 1003 (English Skills) or CESL 1003 (English Skills-ESL) before progressing to COMM 1007. Students placed in COMM 1003 or CESL 1003 will be charged extra tuition. Please visit the Assessment Centre for further information
<http://assessment.georgebrown.ca/>

Semester 2: Summer 2020 [2019-03]

Course Code	Course Title	Pre-Requisite	Hrs/wk
CADE 1004	Introduction to CNC	MENG 1027	4
EMNG 1003	Engineering Mechanics	MATH 1160	3
MATH 1171	Mathematics for Engineering Technology 2	MATH 1160	4
MENG 1004	Intermediate Machining	MENG 1027	4
MENG 1026	Introduction to Mechanical CAD	MENG 1002	3
MENG 2008	Pneumatic Systems		2
GSSC 1100	Small Business Plan & Operation		3
		Total Hours	23

Semester 3: Fall 2020 [2020-01]

Course Code	Course Title	Pre-Requisite	Hrs/wk
CADE 2029	Computer Aided Manufacturing	CADE 1004	4
CADE 2030	Intermediate CNC	CADE 1004	4
DRFT 1014	Jig and Fixture Design	MENG 1026	3
MENG 1040	Welding Practices	MENG 1027	3
MENG 2002	Advanced Precision Machining	MENG 1004	4

Course Code	Course Title	Pre-Requisite	Hrs/wk
MENG 2060	Technical Report Writing & Workplace Preparedness	COMM 1007	3
GNEED	General Education Elective (Select One)		3
		Total Hours	24

Semester 4: Winter 2021 [2020-02]

Course Code	Course Title	Pre-Requisite	Hrs/wk
CADE 2013	Advanced Computer Aided Manufacturing	CADE 2029	4
CADE 2031	Advanced CNC	CADE 2030	4
DRFT 2007	Applied Industrial Project Design	DRFT 1014	3
MENG 2043	Precision Tool Fabrication	MENG 2002	4
MENG 2047	Geometric Dimensioning and Tolerance	DRFT 1014	3
GNEED	General Education Elective (Select One)		3
		Total Hours	21

CO-OP Work Term: Summer 2021 [2020-03]

Course Code	Course Title	Pre-Requisite	Hrs/wk
TCOP 1005	Work Term		varies

PATHWAY SUBJECT TO CHANGE