

MECHANICAL ENGINEERING TECHNOLOGY (T121) 2019-2020 PATHWAY

Semester 1: Fall 2019 or Winter 2020 [2019-01/02]

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: Winter 2020 or Spring 2020 [2019-02/03]

Course Code	Course Title	Pre-Requisite	Hrs/wk
CADE 1004	Introduction to CNC	MENG 1027	4
EMNG 1003	Engineering Mechanics	MATH 1160	3
MENG 1004	Intermediate Machining	MENG 1027	4
MENG 1026	Introduction to Mechanical CAD	MENG 1002	3
MENG 2008	Pneumatic Systems		2
MATH 1171	Mathematics for Engineering Technology 2	MATH 1160	4
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 2003	Advanced Mechanical CAD	MENG 1026	3
CADE 3010	Applied CAM and CNC	CADE 1004	3
EMNG 1013	Electronic Devices	EMNG 1001	4
MATH 2015	Calculus 1	MATH 1171	3
MENG 2010	Electro-Pneumatic Controls	MENG 2008	4
MENG 2039	Statics	EMNG 1003	3
MENG 2070	Workplace Essentials	COMM 1007	2
		Total Hours	22

Semester 4: Winter 2021 [2020-02]

Course Code	Course Title	Pre-Requisite	Hrs/wk
DRFT 1014	Jig and Fixture Design	MENG 1026	3
MATH 3006	Calculus 2	MATH 2015	3
MENG 2040	Strengths of Materials	MENG 2039	3
MENG 2047	Geometric Dimensioning and Tolerance	MENG 1026	3
MENG 2049	Product Development Engineering	MENG 1004	3
MENG 3023	Engineering Dynamics	EMNG 1003 & MATH 2015	3
MENG 3030	Technical Report Writing	COMM 1007	2
GNEED	General Education Elective (Select One)		3
		Total Hours	23

Semester 5: Fall 2021 [2021-01]

Course Code	Course Title	Pre-Requisite	Hrs/wk
EMNG 3001	Embedded Systems 1	EMNG 1013	3
MENG 1019	Fluid Mechanics		3
MENG 3008	Capstone Project 1	MENG 2049	3
MENG 3009	Programmable Logic Control	MENG 2010	3
MENG 3012	Finite Element Analysis	MENG 2040 & CADE 2003	3
MENG 3024	Machine Design 1	MENG 2039	3
MENG 3026	Engineering Materials		3
		Total Hours	21

Semester 6: Winter 2022 [2021-02]

Course Code	Course Title	Pre-Requisite	Hrs/wk
EMNG 3008	Embedded Systems 2	EMNG 3001	3
MENG 3006	Thermodynamics	MENG 1019	3
MENG 3010	Capstone Project 2	MENG 3008	6
MENG 3025	Machine Design 2	MENG 3024	3
GNEED	General Education Elective (Select One)		3
		Total Hours	18

PATHWAY SUBJECT TO CHANGE