

CIVIL ENGINEERING TECHNOLOGY (T164) 2020-2021 PATHWAY

Semester 1: Fall 2020 or Winter 2021 [2020-01/02]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 1010	Introduction to Civil Engineering Technology			3
CIVL 1012	Civil Engineering Materials			5
CIVL 1141	Construction Graphics 1			3
GSCI 1014	So That's Physics			3
MATH 1156	Mathematics for Civil Engineering Technology 1			4
COMM 1007*	College English	Placement Test		3
			Total Hours	21

*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 2021 or Spring 2021 [2020-02/03]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 1011	Surveying 1			3
CIVL 1013	Practical Law for Civil Technology		CIVL 1085	3
CIVL 1014	Civil Engineering Health and Safety			3
CIVL 1015	Statics	MATH 1156	MATH 1166	4
CIVL 1085	Land Use Planning & Regulations		CIVL 1013	3
CIVL 2021	Planning & Scheduling for Civil Projects	CIVL 1010		4
GNED	General Education Elective (Select One)			3
MATH 1166	Mathematics for Civil Engineering Technology 1	MATH 1156	CIVL 1015	4
			Total Hours	27

Semester 3: Fall 2021 [2021-01]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 2059	Construction Graphics 2	CIVL 1141		3
CIVL 2063	Estimating Civil Projects 1	CIVL 2021 MATH 1166	CIVL 2081	4
CIVL 2079	Strength of Materials	CIVL 1015 MATH 1166	MATH 2066	4
CIVL 2080	Surveying 2	CIVL 1011 MATH 1166	MATH 2066	3
CIVL 2081	Principles and Practices of Construction 1 - Buildings	CIVL 1010 MATH 1166	CIVL 2063	4
COMM 1113	Professional Communications	COMM 1007		2
MATH 2066	Mathematics for Civil Engineering Technology 3	MATH 1166	CIVL 2079 CIVL 2080	4
			Total Hours	24

Semester 4: Winter 2022 [2021-02]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 2082	Soil Mechanics	CIVL 1012 CIVL 1015 CIVL 2079	CIVL 2083	4
CIVL 2083	Hydraulics & Hydrology	CIVL 1015 CIVL 2079	CIVL 2082	4
CIVL 2084	Professional Workplace Skills	COMM 1113		3
CIVL 2085	Principles and Practices of Construction 2 – Highways, Bridges, and Earthworks	CIVL 1012 CIVL 2063 CIVL 2081	CIVL 2082 CIVL 2083 CIVL 3034	4
CIVL 2086	Engineering Economics	MATH 2066		3
CIVL 3034	Civil Infrastructure Modeling	CIVL 1085 CIVL 2059 CIVL 2080	CIVL 2085	3
GNEE	General Education Elective (Select One)			3
			Total Hours	24

Semester 5: Fall 2022 [2022-01]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 3028	Introduction to GIS Technology	CIVL 2080 CIVL 3034	CIVL 3087 CIVL 3089	3

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 3086	Elements of Structural Design 1 – Steel & Timber	CIVL 1015 CIVL 2079 MATH 2066		4
CIVL 3087	Municipal Engineering Technology	CIVL 1012 CIVL 2083 CIVL 2085 CIVL 3034	CIVL 3028 CIVL 3089	4
CIVL 3088	Construction Equipment Management	CIVL 2063 CIVL 2085		4
CIVL 3089	Traffic and Highway Engineering	CIVL 1012 CIVL 2085 CIVL 2080 CIVL 3034	CIVL 3028 CIVL 3087	4
MATH 3066	Introduction to Statistical Inference	MATH 2066		3
GNED	General Education Elective (Select One)			3
			Total Hours	25

Semester 6: Winter 2023 [2022-02]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
BLDG 3075	Technical Research Report (online)	COMM 1113		2
CIVL 2045	Site Management for Civil Projects	CIVL 1012 CIVL 2063	CIVL 3090	4
CIVL 3039	Rehabilitation of Civil Infrastructure Projects	CIVL 1012 CIVL 2085		3
CIVL 3090	Civil Construction Quality Management	CIVL 2021 CIVL 2085 CIVL 3088 MATH 3066	CIVL 2045	3
CIVL 3091	Elements of Structural Design 2 – Concrete	CIVL 3086		4
CIVL 3092	Introduction to Environmental Engineering Technology	CIVL 2083		3
CIVL 3093	Capstone Industry Project	Semester 1 – 5 Courses		5
			Total Hours	24

PATHWAY SUBJECT TO CHANGE