

CIVIL ENGINEERING TECHNOLOGY (T164) 2021-2022 PATHWAY

Semester 1: Fall 2021 or Winter 2022 [2021-01/02]

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 1014	Civil Engineering Health and Safety			3
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 Per Week				24

*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 <https://www.georgebrown.ca/assessment-centre>

Semester 2: Winter 2022 or Spring 2022 [2021-02/03]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 1011	Surveying 1			3
CIVL 1013	Practical Law for Civil Technology			3
CIVL 1015	Statics	MATH 1156	MATH 1166	4
CIVL 1085	Land Use Planning & Regulations		CIVL 1013	3
CIVL 2063	Estimating Civil Projects	CIVL 1012 MATH 1156		4
MATH 1166	Mathematics for Civil Engineering Technology 2	MATH 1156	CIVL 1015	4
GNED	General Education Elective (Select One)			3
Total Hours Per Week				24

Semester 3: Fall 2022 [2022-01]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 2021	Planning & Scheduling for Civil Projects	CIVL 1010		4
CIVL 2059	Construction Graphics 2	CIVL 1141		3
CIVL 2079	Strength of Materials	CIVL 1012 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 CIVL 1012 MATH 1166	CIVIL 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 Per Week		24

Semester 4: Winter 2023 [2022-02]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 2082	Soil Mechanics	CIVL 1012 CIVL 1015 CIVIL 2079	CIVL 2083	4
CIVL 2083	Hydraulics & Hydrology	CIVIL 1015 CIVL 2079	CIVIL 2082	4
CIVL 2084	Professional Workplace Skills	COMM 1113		3
CIVL 2085	Principles and Practices of Construction 2 - Highways, Bridges and Earthworks	CIVL 2081 CIVIL 1012 CIVL 2063	CIVL 2082 CIVL 2083 CIVL 3034	4
CIVL 2086	Engineering Economics	MATH 2066		3
CIVL 3028	Introduction to GIS Technology	CIVL 2080		3
GNEED	General Education Elective (Select One)			3
		Total Hours Per Week		24

Semester 5: Fall 2023 [2023-01]

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 2063 CIVL 2021	CIVL 3090	4
CIVL 3034	Civil Infrastructure Modeling	CIVL 1085 CIVL 2059 CIVL 2080 CIVL 2085 CIVL 3028	CIVL 2085	3
CIVL 3086	Elements of Structural Design 1 - Steel & Timber	CIVL 1015 CIVL 2079 MATH 2066		4
CIVL 3087	Municipal Engineering Technology	CIVL 1012 CIVL 2085 CIVL 2083 CIVL 3034	CIVL 3028	4
CIVL 3088	Construction Equipment Management	CIVL 2063 CIVL 2085		4
MATH 3066	Introduction to Statistical Inference	MATH 2066		3
			Total Hours Per Week	24

Semester 6: Winter 2024 [2023-02]

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 3039	Rehabilitation of Civil Infrastructure Projects	CIVL 2085 CIVL 1012		3
CIVL 3089	Traffic and Highway Engineering	CIVL 2085 CIVL 2080 CIVL 1012 CIVL 3034	CIVL 3028	4
CIVL 3090	Civil Construction Quality Management	MATH 3066 CIVL 2085 CIVL 2021 CIVL 3088	CIVIL 2045	3
CIVL 3091	Elements of Structural Design 2 - Concrete	CIVL 3086		4
CIVL 3092	Introduction to Environmental Engineering Technology	CIVL 2083		3

Course Code	Course Title	Pre-Requisite	Co-Requisite	Hrs/wk
CIVL 3093	Capstone Industry Project	Semester 1-5 courses		5
GNEED	General Education Elective (Select One)			3
		Total Hours Per Week		25

PATHWAY SUBJECT TO CHANGE