

CONSTRUCTION ENGINEERING TECHNICIAN (T161) 2021-2022 PATHWAY

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

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|-------------------|--|--------------------|-----------|
| BLDG 1025 | Construction Field Practices | | 3 |
| BLDG 1026 | Introduction to Residential Construction | | 6 |
| BLDG 1074 | Fundamentals of Building Architecture | | 2 |
| GSCI 1022 | Building Science & Environment | | 3 |
| MATH 1136 | Mathematics for Building Technologies 1 | | 3 |
| COMM 1007* | College English | Placement Test | 3 |
| | | Total Hours | 20 |

*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 | Hrs/wk |
|------------------|---|--------------------|-----------|
| BLDG 1042 | Construction Materials and Methods | | 4 |
| BLDG 1043 | Quantity Surveying | | 2 |
| BLDG 1073 | Construction Materials Testing | | 2 |
| BLDG 1076 | Building Code 1 | | 3 |
| BLDG 1077 | Construction Health and Safety | | 2 |
| BLDG 1078 | Introduction to 3D Modeling | | 3 |
| GHUM 1106 | History of Architecture | | 3 |
| MATH 1146 | Mathematics for Building Technologies 2 | MATH 1136 | 3 |
| | | Total Hours | 22 |

Semester 3: Fall 2022 [2022-01]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|------------------|---|---------------|--------|
| BLDG 1084 | Timber Construction Technology | | 3 |
| BLDG 1165 | Introduction to Building Science | GSCI 1022 | 3 |
| BLDG 1201 | Work Preparation | | 1 |
| BLDG 1202 | *Field Experience 1 (2nd 7 weeks - online) | | 1 |
| BLDG 2019 | Estimating-Small Buildings | BLDG 1043 | 4 |
| BLDG 2045 | Construction Site Management, Supervision, and Inspection | | 4 |
| BLDG 2076 | Building Code 2 | | 2 |
| COMM 1113 | Professional Communications | COMM 1007 | 2 |

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--|---|----------------------|---------------|
| GNED | General Education Elective (Select One) | | 3 |
| | | Total Hours | 23 |
| *BLDG 1202 requires 25 hours of field experience | | | |

Semester 4: Winter 2023 [2022-02]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--|---|----------------------|---------------|
| BLDG 2021 | Construction Planning & Scheduling | | 4 |
| BLDG 2046 | Mechanical & Electrical Installations | | 4 |
| BLDG 2090 | Principles of Construction Law | | 2 |
| BLDG 2130 | *Field Experience 2 (online) | | 2 |
| BLDG 2091 | Steel Construction Technology | | 2 |
| BLDG 3004 | Pricing Construction Works | BLDG 2019 | 4 |
| GNED | General Education Elective (Select One) | | 3 |
| | | Total Hours | 21 |
| *BLDG 2130 requires 75 hours of field experience | | | |

PATHWAY SUBJECT TO CHANGE