

## CIVIL ENGINEERING TECHNOLOGY (T164) 2019-2020 PATHWAY

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

| Course Code       | Course Title                                | Pre-Requisite      | Hrs/wk    |
|-------------------|---|--------------------|-----------|
| <b>BLDG 1025</b>  | Construction Field Practices                |                    | 3         |
| <b>BLDG 1077</b>  | Construction Health and Safety              |                    | 2         |
| <b>CIVL 1001</b>  | Civil Engineering Technology - Fundamentals |                    | 4         |
| <b>CIVL 1002</b>  | Civil Engineering Materials                 |                    | 2         |
| <b>CIVL 1004</b>  | Civil Engineering Materials Testing 1       |                    | 2         |
| <b>MATH 1136</b>  | Mathematics for Building Technologies 1     |                    | 3         |
| <b>COMM 1007*</b> | College English                             | Placement Test     | 3         |
|                   |   | <b>Total Hours</b> | <b>22</b> |

\*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    |
|------------------|---|--------------------|-----------|
| <b>CIVL 1085</b> | Land Use Planning & Regulations         |                    | 3         |
| <b>CIVL 1141</b> | Construction Graphics 1                 |                    | 3         |
| <b>CIVL 2064</b> | Civil Engineering Materials Testing 2   | CIVL 1004          | 2         |
| <b>GHUM 1106</b> | History of Architecture                 |                    | 3         |
| <b>GSCI 1022</b> | Building Science & Environment          |                    | 3         |
| <b>MATH 1146</b> | Mathematics for Building Technologies 2 | MATH 1136          | 3         |
| <b>GNED</b>      | General Education Elective (Select One) |                    | 3         |
|                  |   | <b>Total Hours</b> | <b>20</b> |

Semester 3: Fall 2020 [2020-01]

| Course Code      | Course Title                               | Pre-Requisite | Hrs/wk |
|------------------|--|---------------|--------|
| <b>BLDG 1201</b> | Work Preparation (online)                  |               | 1      |
| <b>BLDG 1202</b> | *Field Experience 1 (2nd 7 weeks - online) |               | 1      |
| <b>CIVL 1003</b> | Basics of Structural Analysis              |               | 3      |
| <b>CIVL 2045</b> | Site Management for Civil Projects         |               | 4      |
| <b>CIVL 2059</b> | Construction Graphics 2                    | CIVIL 1141    | 3      |
| <b>CIVL 2063</b> | Estimating Civil Projects 1                |               | 4      |

| <b>Course Code</b>  | <b>Course Title</b>                     | <b>Pre-Requisite</b> | <b>Hrs/wk</b> |
|---|---|----------------------|---------------|
| <b>COMM 1113</b>  | Professional Communications             | COMM 1007            | 2             |
| <b>GNEED</b>  | General Education Elective (Select One) |                      | 3             |
|   |   | <b>Total Hours</b>   | <b>21</b>     |
| <b>*BLDG 1202<br/>requires 25<br/>hours of field<br/>experience</b> |   |                      |               |

Semester 4: Winter 2021 [2020-02]

| <b>Course Code</b>  | <b>Course Title</b>                             | <b>Pre-Requisite</b> | <b>Hrs/wk</b> |
|---|---|----------------------|---------------|
| <b>BLDG 2130</b>  | *Field Experience 2 (online)                    |                      | 2             |
| <b>CIVL 1005</b>  | Civil Engineering Technology - Steel Structures |                      | 4             |
| <b>CIVL 2021</b>  | Planning & Scheduling for Civil Projects        |                      | 4             |
| <b>CIVL 2058</b>  | Quality Management for Civil Projects           |                      | 3             |
| <b>CIVL 3035</b>  | Estimating Civil Projects 2                     | CIVIL 2063           | 4             |
| <b>CIVL 3050</b>  | Trenchless Technologies                         |                      | 2             |
| <b>CIVL 3065</b>  | Civil Engineering Technology - Heavy Industrial |                      | 3             |
|   |   | <b>Total Hours</b>   | <b>22</b>     |
| <b>*BLDG 2130<br/>requires 75<br/>hours of field<br/>experience</b> |   |                      |               |

Semester 5: Fall 2021 [2021-01]

| <b>Course Code</b> | <b>Course Title</b>                           | <b>Pre-Requisite</b> | <b>Hrs/wk</b> |
|--------------------|---|----------------------|---------------|
| <b>BLDG 2090</b>   | Principles of Construction Law                |                      | 2             |
| <b>BLDG 3075</b>   | Technical Research Report (online)            | COMM 1113            | 2             |
| <b>BLDG 3090</b>   | Business Economics & Management               |                      | 3             |
| <b>CIVL 2078</b>   | Civil Engineering Technology - Rail & Transit |                      | 3             |
| <b>CIVL 3028</b>   | GIS for Civil Projects                        |                      | 3             |
| <b>CIVL 3033</b>   | Value Analysis for Civil Projects             |                      | 3             |
| <b>CIVL 3034</b>   | Civil Infrastructure Modeling                 |                      | 3             |
| <b>CIVL 3080</b>   | Budgeting & Bidding Civil Projects            | CIVL 3035            | 4             |
|                    |   | <b>Total Hours</b>   | <b>23</b>     |

Semester 6: Winter 2022 [2021-02]

| <b>Course Code</b> | <b>Course Title</b>                                      | <b>Pre-Requisite</b> | <b>Hrs/wk</b> |
|--------------------|--|----------------------|---------------|
| <b>CIVL 2056</b>   | Civil Engineering Technology -<br>Municipal Services     |                      | 3             |
| <b>CIVL 3006</b>   | Civil Construction Project<br>Administration             |                      | 5             |
| <b>CIVL 3039</b>   | Rehabilitation of Civil Infrastructure<br>Projects       |                      | 3             |
| <b>CIVL 3078</b>   | Civil Engineering Technology – Bridge<br>& Tunnel        |                      | 3             |
| <b>CIVL 3082</b>   | Sustainable Construction Practices for<br>Civil Projects |                      | 3             |
| <b>CIVL 3085</b>   | Capstone Industry Project                                |                      | 3             |
|                    |  | <b>Total Hours</b>   | <b>20</b>     |

**\*PATHWAY SUBJECT TO CHANGE\***