

CIVIL ENGINEERING TECHNOLOGY (T164) 2017-2018 PATHWAY

Semester 1: Fall 2017 or Winter 2018 [2017-01/02]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|-------------------|---|--------------------|-----------|
| BLDG 1025 | Construction Field Practices | | 3 |
| CIVL 1001 | Civil Engineering Technology - Fundamentals | | 5 |
| CIVL 1002 | Civil Engineering Materials | | 2 |
| CIVL 1003 | Basics of Structural Analysis | | 3 |
| GSCI 1022 | Building Science & Environment | | 3 |
| MATH 1136 | Mathematics for Building Technologies 1 | | 3 |
| COMM 1007* | College English | Placement Test | 3 |
| | | Total Hours | 22 |

*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 2018 or Spring 2018 [2017-02/03]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|------------------|---|--------------------|-----------|
| BLDG 1077 | Construction Health and Safety | | 2 |
| CIVL 1004 | Civil Engineering Materials Testing 1 | | 2 |
| CIVL 1005 | Civil Engineering Technology - Steel Structures | | 4 |
| CIVL 1085 | Land Use Planning & Regulations | | 3 |
| CIVL 1141 | Construction Graphics 1 | | 3 |
| GHUM 1106 | History of Architecture | | 3 |
| MATH 1146 | Mathematics for Building Technologies 2 | MATH 1136 | 3 |
| | | Total Hours | 20 |

Semester 3: Fall 2018 [2018-01]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|------------------|---------------------------------------|---------------|--------|
| BLDG 1201 | Work Preparation | | 1 |
| BLDG 1202 | Field Experience 1 | | 1 |
| CIVL 2045 | Site Management for Civil Works | | 4 |
| CIVL 2059 | Construction Graphics 2 | CIVIL 1141 | 3 |
| CIVL 2063 | Estimating Civil Works 1 | | 4 |
| CIVL 2064 | Civil Engineering Materials Testing 2 | CIVL 1004 | 2 |

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--------------------|---|----------------------|---------------|
| CIVL 2078 | Civil Engineering Technology - Rail & Transit | | 2 |
| COMM 1113 | Professional Communications for Building Technologies | COMM 1007 | 2 |
| GNED | General Education Elective (Select One) | | 3 |
| | | Total Hours | 22 |

Semester 4: Winter 2019 [2018-02]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--------------------|---|----------------------|---------------|
| BLDG 2090 | Principles of Construction Law | | 2 |
| BLDG 2130 | Field Experience 2 | | 1 |
| CIVL 2021 | Planning & Scheduling for Civil Projects | | 4 |
| CIVL 2058 | Quality Management for Civil Projects | | 3 |
| CIVL 3035 | Estimating Civil Works 2 | CIVIL 2063 | 4 |
| CIVL 3050 | Trenchless Technologies | | 2 |
| CIVL 3065 | Civil Engineering Technology - Heavy Industrial | | 2 |
| GNED | General Education Elective (Select One) | | 3 |
| | | Total Hours | 21 |

Semester 5: Fall 2019 [2019-01]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--------------------|---|----------------------|---------------|
| BLDG 3065 | Construction Accounting | | 2 |
| CIVL 2056 | Civil Engineering Technology - Municipal Services | | 3 |
| CIVL 3006 | Civil Construction Project Administration | | 5 |
| CIVL 3028 | GIS Technology for Civil Works | | 3 |
| CIVL 3039 | Rehabilitation of Civil Infrastructure Works | | 3 |
| CIVL 3080 | Estimating Civil Works 3 | | 4 |
| | | Total Hours | 20 |

Semester 6: Winter 2020 [2019-02]

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--------------------|----------------------------------|----------------------|---------------|
| BLDG 3075 | Technical Research Report | COMM 1113 | 2 |
| BLDG 3082 | Construction Business Management | | 3 |
| CIVL 3033 | Value Engineering | | 2 |

| Course Code | Course Title | Pre-Requisite | Hrs/wk |
|--------------------|---|----------------------|---------------|
| CIVL 3034 | Construction Graphics 3 | CIVIL 2059 | 3 |
| CIVL 3078 | Civil Engineering Technology - Bridge & Tunnel | | 3 |
| CIVL 3082 | Sustainable Construction Practices for Civil Projects | | 3 |
| CIVL 3085 | Capstone Industry Project | | 3 |
| | | Total Hours | 19 |

PATHWAY SUBJECT TO CHANGE