

**Diploma in Engineering (69 credit hours)**  
**Program Requirements**

| <b>Humanities</b><br>(6 credit hours)        | <b>Engineering Core</b><br>(24 credit hours) | <b>Science Core</b><br>(30 credit hours)            |
|----------------------------------------------|----------------------------------------------|-----------------------------------------------------|
| HIST 1301<br>History of Science & Technology | EGNE 1206<br>Technical Communications        | CSCI 1227<br>Computer Programming & Problem Solving |
|                                              | EGNE 1210<br>Engineering Design 1: Graphics  | MATH 1210<br>Introductory Calculus I                |
|                                              | EGNE 1203<br>Engineering Mechanic 1: Statics | MATH 1211<br>Introductory Calculus II               |
|                                              | EGNE 2302<br>Engineering Economics           | PHYS 1210<br>University Physics I                   |
|                                              | EGNE 2303<br>Thermodynamics                  | PHYS 1211<br>University Physics II                  |
|                                              | EGNE 2307<br>Engineering Design II           | CHEM 1210<br>General Chemistry I                    |
|                                              | EGNE 2308<br>Electric Circuits I             | CHEM 1213<br>General Chemistry II for Engineering   |
|                                              | EGNE 2309<br>Probability & Statistics        | MATH 2301<br>Applied Linear Algebra                 |
|                                              |                                              | MATH 2311<br>Intermediate Calculus                  |
|                                              |                                              | MATH 2303<br>Differential Equations I               |

| <b>Discipline - Specific</b><br>(9 credit hours) |                                       |                                                       |
|--------------------------------------------------|---------------------------------------|-------------------------------------------------------|
| <b>Mechanical</b>                                | <b>Civil /<br/>Environmental</b>      | <b>Electrical</b>                                     |
| EGNE 2301<br>EGNE Mechanics II:<br>Dynamics      | GEOL 1204<br>Geology for<br>Engineers | EGNE 2330<br>Data Structures &<br>Algorithms for EGNE |
| EGNE 2304<br>Mechanics of Materials              | EGNE 2304<br>Mechanics of Materials   | EGNE 2305<br>Digital Logic                            |
| EGNE 2306<br>Fluid Dynamics                      | EGNE 2306<br>Fluid Dynamics           | EGNE 2311<br>Electric Circuits II                     |
|                                                  |                                       |                                                       |
| <b>Chemical</b>                                  |                                       | <b>Industrial</b>                                     |
| CHEM 2344<br>Organic Chemistry I                 |                                       | EGNE 2325<br>Modelling &<br>Optimization for<br>EGNE  |
| EGNE 2401<br>Process Engineering                 |                                       | Any discipline<br>course                              |
| EGNE 2306<br>Fluid Dynamics                      |                                       | Any discipline<br>course                              |

**NOTES:**

Shaded cells = *suggested* schedule Year 1

Total number of credit hours required for the Diploma in Engineering is 69.

*Every effort is made to ensure that the information summarized here is accurate. Students are reminded that the University Academic Calendar is the official source of Program information.*

**Humanities:** Atlantic Canada Studies, Asian Studies, Ancient Studies (Classics), English, History, Intercultural Studies, Irish Studies, Philosophy, Religious Studies, and Modern Languages (courses in literature and/or culture)

| <b>Tentative Course Schedule</b>                                |                            |                             |                                |                                 |
|-----------------------------------------------------------------|----------------------------|-----------------------------|--------------------------------|---------------------------------|
| <i>Subject to change; official schedule available on Banner</i> |                            |                             |                                |                                 |
| <b>Course</b>                                                   | <b>Semester</b>            |                             |                                |                                 |
|                                                                 | <b>Fall<br/>(Sept-Dec)</b> | <b>Winter<br/>(Jan-Apr)</b> | <b>Summer I<br/>(May-June)</b> | <b>Summer II<br/>(July-Aug)</b> |
| EGNE 1206                                                       | **                         |                             |                                |                                 |
| EGNE 1210                                                       | **                         |                             | **                             |                                 |
| EGNE 1203                                                       |                            | **                          | **                             |                                 |
| CSCI 1227                                                       |                            | **                          | **                             |                                 |
| MATH 1210                                                       | **                         | **                          | **                             |                                 |
| MATH 1211                                                       | **                         | **                          | **                             | **                              |
| PHYS 1210                                                       | **                         | **                          |                                |                                 |
| PHYS 1211                                                       |                            | **                          | **                             |                                 |
| CHEM 1210                                                       | **                         | **                          |                                |                                 |
| CHEM 1213                                                       |                            | **                          | **                             |                                 |
| HIST 1301                                                       | **                         | **                          | **                             |                                 |
| EGNE 2302                                                       |                            | **                          |                                | **                              |
| EGNE 2303                                                       | **                         | **                          |                                |                                 |
| EGNE 2304                                                       | **                         |                             | **                             |                                 |
| EGNE 2307                                                       |                            | **                          |                                |                                 |
| EGNE 2308                                                       | **                         | **                          |                                |                                 |
| EGNE 2309                                                       |                            | **                          |                                | **                              |
| MATH 2301                                                       | **                         |                             | **                             |                                 |
| MATH 2311                                                       | **                         |                             | **                             |                                 |
| MATH 2303                                                       |                            | **                          |                                | **                              |
| EGNE 2301                                                       | **                         |                             | **                             |                                 |
| EGNE 2305                                                       | **                         |                             |                                |                                 |
| EGNE 2306                                                       |                            | **                          |                                | **                              |
| EGNE 2311                                                       |                            | **                          |                                |                                 |
| EGNE 2330                                                       | **                         |                             |                                | **                              |
| EGNE 2401                                                       | **                         |                             |                                |                                 |
| EGNE 2325                                                       |                            | **                          |                                | **                              |
| GEOL 1204                                                       | **                         |                             | **                             |                                 |
| CHEM 2344                                                       | **                         |                             | **                             |                                 |