

Diploma in Engineering (69 credit hours) Program Requirements

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

| Discipline - Specific (9 credit hours) | | |
|---|---------------------------------------|---|
| Mechanical | Civil / Environmental | Electrical |
| EGNE 2301 EGNE Mechanics II: Dynamics | GEOL 1204 Geology for Engineers | EGNE 2330 Data Structures & Algorithms for EGNE |
| EGNE 2304 Mechanics of Materials | EGNE 2304 Mechanics of Materials | EGNE 2305 Digital Logic |
| EGNE 2306 Fluid Dynamics | EGNE 2306 Fluid Dynamics | EGNE 2311 Electric Circuits II |
| | | |
| Chemical | | Industrial |
| CHEM 2344 Organic Chemistry I | | EGNE 2325 Modelling & Optimization for EGNE |
| EGNE 2401 Process Engineering | | Any discipline course |
| EGNE 2306 Fluid Dynamics | | Any discipline 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, Public Humanities & Heritage Religion, and Modern Languages (courses in literature and/or culture)

| Tentative Course Schedule | | | | |
|---|----------------------------|-----------------------------|--------------------------------|---------------------------------|
| <i>Subject to change; official schedule available on Banner</i> | | | | |
| Course | Semester | | | |
| | Fall (Sept-Dec) | Winter (Jan-Apr) | Summer I (May-June) | Summer II (July-Aug) |
| 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 | ** | | ** | |