

Bachelor of Science in Engineering Registration Package

Engineers use science and math to solve problems. With particular attention given to the environment, natural resources, economics, and energy conservation, engineers of all disciplines serve society. The breadth and depth of any engineering education makes it one of the most enjoyable and employable degrees obtainable at an undergraduate level. Students may begin their studies at UNB on the Saint John campus. After two years, students on the UNBSJ campus must transfer to Fredericton to complete their studies. For some programs, the transfer must happen after one year.

Students may also consider the two-year Diploma in Engineering Foundations option at UNB Saint John. Students can apply for the Diploma upon completion of the first two years of the BSc in Engineering (BSE) degree. They then transfer to UNB Fredericton to complete the BSE degree.

FALL TERM REGISTRATION

The following table lists the courses recommended for the first term of the Engineering Entrance program. This is the recommended course plan generally taken by first year engineering students. However students are welcome to modify their course plan in consultation with an Academic Advisor to understand any impacts to subsequent terms. Students are able to adjust their course registrations up to September 17th, 2021 (nine days after the start of class!).

Students who already have an idea of which Engineering discipline they would like to transfer into for their second term (i.e. Chemical, Civil, Electrical, Geological, Geomatics, or Mechanical) may already register for the appropriate winter term courses on the following page. Students who are not sure can postpone registering for the winter term until they gain a better understanding of the different engineering disciplines through their fall term courses.

For instructions and help with registering for courses, please visit the "Information for Course Registration" found in the UNB Intranet for Students:

unbcloud.sharepoint.com/sites/MyUNB/SitePages/Online-Registration.aspx

| FALL 2021 | |
|-----------|--------------------------------------|
| APSC1013 | Mechanics I |
| CMPE1003 | Introduction to Computer Prog. |
| ENGG1001 | Engineering Practice Lecture Series |
| ENGG1003 | Eng Technical Communications |
| ENGG1015 | Intro to Eng Design and Prob Solving |
| MATH1003 | Introduction to Calculus I |
| MATH1503 | Introduction to Linear Algebra |

For additional program information please refer to the [Undergraduate Academic Calendar](#). Course plans/degree checklists are available on the [SASE Advising pages](#). *You are expected to maintain an updated checklist and meet with your Academic Advisor at least once a year to review your course plans.*

WINTER TERM REGISTRATION

The following table lists the courses recommended for the second term according to the Engineering discipline of choice. You can register for them now or later in the fall term, but you must be registered before the start of the winter term in January. You are able to modify your 2022 Winter course registrations until January 21, 2022 (classes start January 10th, 2022).

| Discipline | WINTER 2022 | |
|------------|--------------|--|
| Chemical | APSC1023 | Mechanics II |
| | BIOL1205 | Biology II |
| | CHE2003 | Fundamentals I - Mass Balances |
| | CHEM1872 | General Physical and Inorganic Chemistry |
| | CHEM1877 | General Physical and Inorganic Chem Lab |
| | ECE 1813 | Electricity and Magnetism |
| | MATH1013 | Introduction to Calculus II |
| Civil | APSC1023 | Mechanics II |
| | CE2973 | Civil Engineering Design I |
| | CHEM1872 | General Physical and Inorganic Chem |
| | CHEM1877 | General Physical and Inorganic Chem Lab |
| | ECON 1013 | Introduction to Microeconomics |
| | MATH1013 | Introduction to Calculus II |
| | CE Elective* | |
| Electrical | APSC1023 | Mechanics II |
| | CHEM1872 | General Physical and Inorganic Chemistry |
| | CHEM1877 | General Physical and Inorganic Chem Lab |
| | CMPE1023 | Data Structures and Algorithms |
| | ECE1813 | Electricity and Magnetism |
| | MATH1013 | Introduction to Calculus II |
| Geological | APSC1023 | Mechanics II |
| | CE2973 | Civil Engineering Design I |
| | CHEM1872 | General Physical and Inorganic Chem |
| | CHEM1877 | General Physical and Inorganic Chem Lab |
| | ECON 1013 | Introduction to Microeconomics |
| | MATH1013 | Introduction to Calculus II |
| Geomatics | APSC1023 | Mechanics II |
| | CHEM1872 | General Physical and Inorganic Chemistry |
| | CHEM1877 | General Physical and Inorganic Chem Lab |
| | MATH1013 | Introduction to Calculus II |
| | PHYS1012 | Introductory Physics II |
| | PHYS1022 | Experiments in Introductory Physics |
| | CSE* | |
| Mechanical | APSC1023 | Mechanics II |
| | CHEM1872 | General Physical and Inorganic Chemistry |
| | CHEM1877 | General Physical and Inorganic Chem Lab |
| | ECE1813 | Electricity and Magnetism |
| | MATH1013 | Introduction to Calculus II |
| | ME1312 | Computer Aided Design |

* **CSE** (Complimentary Study Elective): 3 ch course from: CLAS, ENGL, HIST, PHIL, POLS or SOCI.

CE Elective: can be a Complimentary Study Elective (CLAS, ENGL, HIST, PHIL, POLS or SOCI), or Non-Civil Technical Elective (ECE 1813).

See Program description in the Undergraduate Academic Calendar for additional details!