

# 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 and complete the Environmental Engineering program in Saint John. Students may begin Chemical, Civil, Electrical, Geodesy & Geomatics, Geological or Mechanical in Saint John then transfer to Fredericton to complete their studies.

## FALL TERM REGISTRATION

The following table lists the courses recommended for the first term of the Engineering program. This is the recommended course plan generally taken by first year engineering students, however, students may 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 12<sup>th</sup>, 2025** (classes start September 3<sup>rd</sup>, 2025).

Students who have an idea of which Engineering discipline they would like to declare in the second term (i.e. Chemical, Civil, Electrical, Environmental, Geodesy & Geomatics, Geological or Mechanical) may also register for the appropriate winter term courses on the following page at the same time. Students who are unsure can postpone registering for the winter term until they gain a better understanding of the different engineering disciplines through their fall term courses.

FALL 2025	
APSC 1011	Mechanics I
APSC 1015	Mechanics I Laboratory
CMPE 1003	Programming and Problem Solving for Engineers
ENGG 1001	Engineering Practice Lecture Series I
ENGG 1003	Engineering Technical Communication
ENGG 1015	Introduction to Engineering Design and Problem Solving
MATH 1003	Introduction to Calculus I
MATH 1503	Introduction to Linear Algebra

For instructions and help with registering for courses, please visit the MyUNB Intranet. Go to the 'Services & Information for Students' section. Under 'Academics', click on the 'Information for Course Registration' link.

For additional program information please visit [unb.ca/saintjohn/sase/dept/engineering](http://unb.ca/saintjohn/sase/dept/engineering). Course plans/degree checklists are available at [unb.ca/saintjohn/sase/advising](http://unb.ca/saintjohn/sase/advising). 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 discipline. 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 2026 Winter course registrations until **January 16<sup>th</sup>, 2026** (classes start January 5<sup>th</sup>, 2026).

NOTE – In November 2025, you will be asked to declare the discipline of your choice. Acceptance into each discipline will be confirmed by the Faculty of Engineering before the start of winter term. Your winter term courses may need to be adjusted based on these results.

Discipline	WINTER 2026	
ALL (except Geodesy & Geomatics students do not take CHEM 1872 or 1877)	APSC 1021	Mechanics II
	APSC 1025	Mechanics II Laboratory
	CHEM 1872	General Physical and Inorganic Chemistry
	CHEM 1877	General Physical and Inorganic Chemistry Laboratory
	ENGG 1002	Engineering Practice Lecture Series II
	MATH 1013	Introduction to Calculus II
<b>PLUS</b>		
Chemical	BIOL 1205	Biological Principles, Part II
	CHE 2003	Fundamentals I - Mass Balances
	ECE 1813	Electricity and Magnetism
Civil	CE 2973	Civil Engineering Design I
	ECON 1013 (or 1023)	Introduction to Microeconomics (or Macroeconomics)
	NCTE**	
Electrical	CMPE 1023	Data Structures and Algorithms for Engineers
	ECE 1813	Electricity and Magnetism
Environmental	BIOL 1302	Introduction to Environmental Biology
	CHE 2003	Fundamentals I – Mass Balance
Geodesy & Geomatics	ECON 1013 (or 1023)	Introduction to Microeconomics (or Macroeconomics)
	PHYS 1012	Introductory Physics II
	PHYS 1022	Experiments in Introductory Physics II
	CSE*	
Geological	CE 2973	Civil Engineering Design I
	ECON 1013 (or 1023)	Introduction to Microeconomics (or Macroeconomics)
Mechanical	ECE 1813	Electricity and Magnetism
	ME 1312	Computer Aided Design

\* **CSE** (Complimentary Study Elective): 3 ch course from either ENGL, HIST, HUM, PHIL, POLS, SOCI, or CE 3963 (Engineering Economy-online).

\*\* **NCTE** (Non-Civil Technical Elective): e.g. ECE 1813 or ME 1312.

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