The University of New Brunswick's Bachelor of Science in Computer Science (BScCS) degree provides students with a solid foundation in core areas of computing recognized by the Canadian Information Processing Society. The program prepares students for a wide variety of careers in traditional and emerging fields in computing. Alongside core courses, a targeted range of elective courses are offered through which students have the opportunity to deepen their knowledge in specific areas of computing or in complementary disciplines.

UNB Saint John offers three optional areas of Specialization: Data Analytics, Software Engineering, and Networking, as well as a Certificate in Data Analytics and Minors in a wide variety of subjects! You may also be interested in extending the learning process beyond the classroom and into the workplace by pursuing the Co-op option. The first-year core courses are the same for all these options, but as you work through your courses this year you might consider reaching out to your Academic and Faculty Advisors to learn more about the various options.

COURSE REGISTRATION

The following table lists the courses recommended for the first year of the BScCS program. Students planning to complete their degree in 8 regular terms (4 years of fall and winter terms) would generally take 5 courses per term. However, students may choose to modify their course load depending on their own situations and preferences. Students with transfer credits may also require a modified course plan. These students should contact the Academic Advisor for assistance with course planning.

FALL		WINTER	
CS 1073	Introduction to Computer Programming I (Java)	CS 1083	Introduction to Computer Programming II (Java)
CS 1303	Discrete Structures	CS 1103	Introduction to Databases
MATH 1003	Introduction to Calculus I	MATH 1013	Introduction to Calculus II
STAT 1793	Introduction to Probability and Statistics I	STAT 2793	Introduction to Probability and Statistics II
MATH 1503	Introduction to Linear Algebra		1 Elective- HUM 1021, or one other course in ENGL, POLS, or HIST

For instructions and help with registering for courses, please visit "Information for Course Registration" found in the UNB Intranet for Students (https://unbcloud.sharepoint.com/sites/Registrar/SitePages/Registration.aspx).

F.A.Q.s

1. Where can I find all the requirements for my program?
GREAT QUESTION! You can find all the details in the program descriptions in the Undergraduate Academic Calendar. There are also Degree Checklists and other resources in the SASE Advising pages to help you keep track of your progress! It is strongly recommended you maintain an updated checklist and meet with your Academic Advisor at least once a year to review your plans.

2. What is a pre/co-requisite?
Pre-requisite: must be completed BEFORE the desired course begins (though you can *register* before completing the prerequisite).
Co-requisite: must be completed in the same term as the desired course OR in advance.

3. What are Electives and do I need them for my degree?
The BScCS program has a set of required Core courses (i.e. courses directly related to computer science), as well as a requirement for Elective courses. For the BScCS program, there are two types of electives: Breadth Core Electives (BCE) and Free Electives – BOTH are required components of your degree. BCE are courses in subjects outside of the computer sciences, mathematics, and statistics and may include subjects such as business, arts, or sciences. Free Electives can include additional computer science, mathematics or statistics courses, *as well as* additional courses in breadth core subjects such as business, arts, or sciences. Please note there are some courses that cannot count towards the BScCS degree. Please refer to the course and program descriptions in the Undergraduate Academic Calendar as well as the information in the Degree Checklist.

4. How do I choose an Elective?
Every student will have different interests, goals, and skills – *you* have to decide what *you* would like to take! First, look through the program information to understand your elective requirements and which courses cannot count. Then you can:
    (a) use Course Catalogue to look through the course descriptions in subjects you are interested in,
    (b) try the Advanced Search to see what courses are offered during the times you are available, and/or
    (c) take a writing course as you will need to complete one before your third year begins. For this option, you can consider HUM 1021, as well as courses in English, Political Science, or History.

5. What if I might want to change my courses?
You are able to tweak your schedule even in the first week of classes (see Calendar of Academic Dates) so if you are stuck deciding between courses, you have time to learn more about them to see which one you like best! Students are able to adjust their course registrations up to September 13th, 2024 (nine days after the start of class) for the fall term, and until January 17th, 2025 for the winter term (classes start January 6th, 2025).