

FACULTY OF COMPUTER SCIENCE

First-Year Bachelor of Computer Science (BCS) Course Planning Sheet

2021-2022 Academic Year

The guide below can be used to assist you with your first-year course selection. Use the table below, the [academic timetable](#) and the schedule worksheet to build your schedule. It is recommended you block register for your required courses first, and then choose your other courses based on your interests and future goals. The Course Planning Worksheet is meant as a reflective tool to plan out your courses. For complete program requirements, see the Dalhousie Academic Calendar at www.dal.ca/calendar or ask your advisor.

For student with **No prior programming** experience:

Fall	Winter
<p>* Computer Science (CSCI) 1105: Introduction to Programming Lecture and Lab</p>	<p>* Computer Science (CSCI) 1110: Introduction to Computer Science Lecture and Lab</p>
<p>* Computer Science (CSCI) 1800: Society and Technology before the Age of Automation Lecture and Tutorial</p>	<p>* Computer Science (CSCI) 1801: Society and Technology in the Age of Automation Lecture and Tutorial</p>
<p>* Computer Science (CSCI) 1120: Introduction to Computer Systems Lecture</p>	<p>* Computer Science (CSCI) 1170: Introduction to Web Design and Development Lecture and Tutorial</p>
<p>Computer Science (CSCI) 1300: Calculus in Computer Science*** or CSCI 1315: Discrete Math Lecture and Tutorial</p>	<p>Computer Science (CSCI) 1300: Calculus in Computer Science*** or CSCI 1315: Discrete Math Lecture and Tutorial</p>
<p>One of the following can be used to fulfill a science with a lab requirement:</p> <ul style="list-style-type: none"> • CSCI 1107: Social Computing • CSCI 1109: Practical Data Science • CSCI 1108: Introduction to Experimental Robotics <p>or Science with Lab **</p> <p>Lecture and Lab (and Tutorial)</p>	<p>One of the following can be used to fulfill a science with a lab requirement:</p> <ul style="list-style-type: none"> • CSCI 1107: Social Computing • CSCI 1109: Practical Data Science • CSCI 1108: Introduction to Experimental Robotics <p>or Science with Lab **</p> <p>Lecture and Lab (and Tutorial)</p>

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For Students with **Prior Programming** experience:

Fall	Winter
<p>* Computer Science (CSCI) 1110: Introduction to Computer Science Lecture and Lab</p>	<p>* Computer Science (CSCI) 1120: Introduction to Computer Systems Lecture</p>
<p>* Computer Science (CSCI) 1800: Society and Technology before the Age of Automation Lecture and Tutorial</p>	<p>* Computer Science (CSCI) 1801: Society and Technology in the Age of Automation Lecture and Tutorial</p>
<p>* Computer Science (CSCI) 1170: Introduction to Web Design and Development Lecture and Tutorial</p>	<p>Free Elective</p>
<p>Computer Science (CSCI) 1300: Calculus in Computer Science*** or CSCI 1315: Discrete Math for CS Lecture and Tutorial</p>	<p>Computer Science (CSCI) 1300: Calculus in Computer Science*** or CSCI 1315: Discrete Math for CS Lecture and Tutorial</p>
<p>One of the following can be used to fulfill a science with a lab requirement:</p> <ul style="list-style-type: none"> • CSCI 1107: Social Computing • CSCI 1109: Practical Data Science • CSCI 1108: Introduction to Experimental Robotics <p>or Science with Lab **</p> <p>Lecture and Lab (and Tutorial)</p>	<p>One of the following can be used to fulfill a science with a lab requirement:</p> <ul style="list-style-type: none"> • CSCI 1107: Social Computing • CSCI 1109: Practical Data Science • CSCI 1108: Introduction to Experimental Robotics <p>or Science with Lab **</p> <p>Lecture and Lab (and Tutorial)</p>

*** If you hope to take MATH 1010, please take MATH 1000 in lieu of CSCI 1300

** For alternative courses to fulfill the Science with Lab Requirement, [click here](#) (see bottom of page).

NOTE: For clarification on what constitutes having no prior programming experience versus having prior programming experience visit the Faculty of Computer Science First Year homepage or [click here](#).

ELECTIVES: There are some classes you **cannot** take as electives in the Bachelor of Computer Science Program: CSCI/COMM 1502, CSCI 1200, ASSC 1000, MGMT 1601.

Questions? Contact undergrad@cs.dal.ca | 902.494.2740 for assistance!

