

FACULTY OF SCIENCE, APPLIED SCIENCE, & ENGINEERING

Degree Checklist—BSc. Mathematics

Last updated March 2023



Saint John

GENERAL INFORMATION				TOTAL DEGREE CREDIT HOURS (CH): 129	
FIRST NAME:		LAST NAME:		STUDENT ID:	
REQUIRED COURSES — 84 CH					
<input type="checkbox"/>	MATH 1003 – Intro Calculus I	3ch	<input type="checkbox"/>	1st Year Science ²	LEC (18ch) LAB (8ch)
<input type="checkbox"/>	MATH 1013 – Intro Calculus II	3ch	<input type="checkbox"/>		
<input type="checkbox"/>	MATH 1503 – Linear Algebra I	3ch	<input type="checkbox"/>	1st Year Science ²	
<input type="checkbox"/>	MATH 2203 – Discrete Mathematics ¹	3ch	<input type="checkbox"/>		
<input type="checkbox"/>	MATH 2513 – Multivariate Calculus	4ch	<input type="checkbox"/>	1st Year Science ²	
<input type="checkbox"/>	MATH 2523 – Differential Equations and Series	3ch	<input type="checkbox"/>		
<input type="checkbox"/>	MATH 3213 - Linear Algebra II	3ch	<input type="checkbox"/>	MATH 3-4000 ³	3ch
<input type="checkbox"/>	MATH 3713 - Analysis I	3ch	<input type="checkbox"/>	MATH 3-4000 ³	3ch
<input type="checkbox"/>	MATH 3733 – Abstract Algebra	3ch	<input type="checkbox"/>	MATH 3-4000 ³	3ch
<input type="checkbox"/>	STAT 1793 – Intro to Probability & Statistics I	3ch	<input type="checkbox"/>	MATH 3-4000 ³	3ch
<input type="checkbox"/>	STAT 2793 – Intro to Probability & Statistics II	3ch	<input type="checkbox"/>	MATH 3-4000 ³	3ch
<input type="checkbox"/>	STAT 3793 – Prob and Math Stats I	3ch	<input type="checkbox"/>	One of: CS 1073/ CS 1003/ CMPE 1003 ⁴	4ch
<input type="checkbox"/>	STAT 4793 – Prob and Math Stats II	3ch			
UPPER LEVEL ELECTIVES (3000-4000 LEVEL) —21 CH					
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>			<input type="checkbox"/>		
FREE ELECTIVES— 24CH					
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>			<input type="checkbox"/>		
<input type="checkbox"/>					
ADDITIONAL DEGREE REQUIREMENTS					
<input type="checkbox"/>	12 CH of ALL courses must have significant written requirement (indicated by [W] annotation in course calendar)				
Notes					
<p>1. It is recommended that MATH 2203 is taken in the first or second year</p> <p>2. Combinations must include minimum 18ch lecture and 8ch of options: BIOL1105/1205/1017, CHEM1041/1046/1072/1077 (CHEM1872/1877), GEOL1044/1074, PHYS1011/1012/1021/1022</p> <p>3. One STAT 3/4XXX may be exchanged for a MATH 3/4XXX; MATH 3633 cannot be counted towards the 15chs of upper level MATH.</p> <p>4. Students declaring their major before Fall 2023 may take an alternative CS course to fulfill the CS requirement, worth min. 3ch. CS 1303 cannot count towards this requirement.</p>					
<p>ATTENTION: Students are responsible for their own academic choices and should always consult the Academic Calendar prior to academic decisions. This checklist is an informal guide to the major. Course selections should always be checked and approved with the academic advisor. If irregularities occur the Academic Calendar is the final source for decisions. Electives must include any general degree requirements. See UNB Calendar for regulations governing course selection.</p>					

