2020-2021 Bachelor of Computer Science (Data Science)

- 1. Under **Required Courses** and **Electives**, check off the forty unique courses (20.0 units) that you have earned university credit for. **Additional Elective Units** can be *any* course for which you received university credit.
- 2. Verify that the **Required Courses** and **Electives** also satisfy the **Additional Constraints**.

Required Courses		Electives		
☐7.5 CS Units	☐7.0 Math Units	☐5.0 Non-Math Elective	Units □0.5 Additional	
□CS 1[134]5	☐MATH 1[34]5	☐ Communication list	I ² Elective Units	
□CS 1[34]6	☐MATH 1[34]6	☐ Communication list	Π_3	
□CS 240	☐MATH 1[234]7			
□CS 241	☐MATH 1[234]8			
□ CS 245	☐MATH 2[34]5			
□ CS 246	☐MATH 2[34]7			
□ CS 251	☐MATH 2[34]9			
□CS 341	□STAT 2[34]0			
□ CS 348	□STAT 2[34]1			
□ CS 350	□STAT 330			
□ CS 340-398; 440-489	□STAT 331			
☐ CS 340-398; 440-489 or CS	□STAT 341			
499T or CS 6xx or CS 7xx or	\square STAT 4XX from List A	\ ¹		
CO 487 or STAT 440 ¹	\square STAT 4XX from List A	\ ¹		
□ CS 451				
☐ CS 480 or CS 485 or CS 486				
\square CS 4xx from list B				
Additional Constraints				
☐Two from List A: ☐ Non-ma	th elective units must satisfy	breadth and ☐ Seven (reg	ular) or eight (co-op) terms	
□STAT 431 <u>depth</u> re	depth requirements:		at least three courses totaling	
□STAT 440 □All of	☐All of (breadth):			
□STAT 441 □1.	\Box 1.0 units from the humanities ⁴		nan 2.0 units of failed courses	
□STAT 442 □1.	\Box 1.0 units from the social sciences		☐ No more than 5.0 units of unusable course attempts (failures and repeats of passed	
□STAT 443 □0.	\square 0.5 units from the pure sciences			
□STAT 444 □0.	\square 0.5 units from the pure or applied sciences			
\square One from List B: \square One	\square One of (depth):		verage of 60% or higher	
□CS 448 □1.	\Box 1.5 units in the same subject area with at		e average of 60% or higher	
	least 0.5 units at the 3rd year level or		☐ Co-op requirements met, if applicable,	
= 55 .55	gher, or		D 1, PD 11, PD 10, and a	
_ 00 .00	\square 1.5 units with the same subject forming a		of two other PD courses	
□CS 486 pi	rerequisite chain of length the	ree		

• ENGL 108B, ENGL 108D, ENGL 119, ENGL 208B, ENGL 209, ENGL 210E, ENGL 210F, ENGL 378/MTHEL 300, SPCOM 225, SPCOM 227, SPCOM 228.

Disclaimer: This checklist is a handy tool, but it is not a substitute for the official degree regulations. If there is a question of interpretation or a discrepancy, the University Calendar always takes precedence: http://ugradcalendar.uwaterloo.ca/group/MATH-

¹Must be two different courses. Students who take STAT 440 cannot also count this course toward the "One additional course chosen from" requirement for the Bachelor of Computer Science.

²Communication List I: At least 60% in one of EMLS 101R, EMLS 102R, EMLS/ENGL 129R, ENGL 109, SPCOM 100, SPCOM 223.

³Communication List II: One of EMLS 103R, EMLS 104R, EMLS 110R, ENGL 108B, ENGL 108D, ENGL 119, ENGL 208B, ENGL 209, ENGL 210E, ENGL 210F, ENGL 378/MTHEL 300, SPCOM 225, SPCOM 227, SPCOM 228, or an additional course from Communication List I.

⁴The below Communication courses from List II can be used to satisfy both the Communication List II requirement *and* 0.5 unit for the humanities (breadth) requirement. Communication List I courses do NOT satisfy the humanities (breadth) requirement.

<u>Computer-Science-1</u> . You may complete the checklist and ask a CS advisor to review it, but the student is ultimately responsible for ensuring that they have met their degree requirements.			