

JOINT MAJOR IN MOLECULAR BIOLOGY & BIOCHEMISTRY AND COMPUTING SCIENCE FALL 2020 GRADUATION PLANNER

Name:	· · · · · · · · · · · · · · · · · · ·	Student ID:	Date:					
PROGRAM REQUIREMENT A minimum of 137 units are require Program. This consists of: Lower Division (77) CMPT/MACM/M STAT(33 - 37 un) BISC/CHEM/MB PHYS (44 - 47 un)	red to complete the Bachelor of Sc 7 - 84 units) ATH/ its) B/ Elect	Division (45 units)	Molecular Biology and Biochemist QB (15 units) 137					
LOWER DIVISION REQUIREMENTS (100/200) – 77 - 84 units – Complete all of:								
	COM	MPUTING SCIENCE & SCIE	NCE					
□ BISC 101	☐ CHEM 281	☐ CMPT 225	☐ MATH 150 OR 151	☐ MBB 222				
□ BISC 102	☐ CHEM 282 OR 283	☐ CMPT 276	☐ MATH 152	☐ MBB 231				
□ BISC 202	☐ CMPT 120 *	☐ CMPT 295	☐ MATH 232 OR 240	□ STAT 270				
□ CHEM 121	☐ CMPT 125 *	☐ MACM 101	□ PHYS 101 or 120 or 125 or 140					
☐ CHEM 122	□ CMPT 127 *	☐ MACM 201	# 201 PHYS 102 or 121 or 126 or 141					
* CMPT 120, 125 and 127 may be	e replaced with CMPT 130 and 13	5						
UPPER DIVISION REQUIRE	EMENTS (300/400) – 45 units): :	WQB RE	QUIREMENTS:				
ALL (24)	AT LEAST THREE ((9) AT LEAST TV	VO (6)	EQUIRED BREADTH				
□ CMPT 307	☐ CMPT 413	☐ CMPT 305	□ B-SO	□ B-SOC				
□ CMPT 354	☐ CMPT 419	☐ CMPT 310	□ B-SO	□ B-SOC				
☐ CMPT 405	☐ CMPT 454	□ CMPT 340						
□ CMPT 441	□ MBB 438	□ CMPT 361	□ B-HU	B-HUM				
□ MBB 308	□ MBB 441	□ MACM 316	□ B-HU	□ B-HUM				
□ MBB 331	□ MBB 460	□ MBB 321						
□ MBB 342	□ MBB 461			REQUIRED WRITING				
□ STAT 302	☐ MBB 462	UPPER DIVIS		CMPT 105W OR				
	□ MBB 463	☐ ANY 3XX/4XX		ANY LOWER DIVISION W-COURSE CMPT 376W OR MBB 309W (3-4 UD units)				
	□ MBB 464							
OPTIONAL REQUIREMENT	S:							
COMPL	JTING SCIENCE AND/OR M	OLECULAR BIOLOGY & B	IOCHEMISTRY CO-OP EDU	CATION				

SUMMARY OF REQUIREMENTS:

☐ CMPT 426 OR MBB 151

Requirement	Complete	In Progress	Total	Remaining
Total Units (Minimum 132)				
Upper Division Units (45)				

☐ CMPT 428 OR MBB 351

☐ CMPT 429 OR MBB 451

☐ CMPT 427 OR MBB 251

☐ CMPT 430 OR MBB 551



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ACADEMIC REQUIREMENTS

LOWER DIVISION REQUIREMENTS (or equivalents):

- CMPT 130 and 135 may substitute CMPT 120, 125 and 127.
- WQB requirements: Students are required to complete 6 units of writing (W), 6 units of Breadth Science (B-Sci), 6 units of Breadth Social Science (B-Soc), 6 units of Breadth Humanities (B-Hum) and 6 units of Undesignated Breadth (UB).
- Students in the Molecular Biology and Biochemistry and Computing Science joint major automatically fill most of the WQB
 requirements with the exception of the lower division W course, 6 units of Breadth Social Science and 6 units of Breadth Humanities.

UPPER DIVISION REQUIREMENTS:

- Students must complete at least 45 upper division credits, which include:
 - All of the following: CMPT 307, CMPT 354, CMPT 405, CMPT 441, MBB 308, MBB 331, MBB 342 and STAT 302
 - Two of the following: CMPT 305, CMPT 310, CMPT 340, CMPT 361, MACM 316 or MBB 321
 - Three of the following: CMPT 413, CMPT 419, CMPT 454, MBB 438, MBB 441, MBB 460, MBB 461, MBB 462, MBB 463, MBB 464
 - Writing requirement: CMPT 376W or MBB 309W are required to satisfy UD W requirements. Note: CMPT 376W requires CMPT 105W as a prerequisite.

ELECTIVE COURSES

Students will have room to take additional elective credits in order to complete the credits required for graduation.

FACULTY OF APPLIED SCIENCE RESIDENCY REQUIREMENTS

At least two thirds of the total Upper Division (UD) units in the program must have been completed at Simon Fraser University. Please refer to current SFU calendar for details.

WQB REQUIREMENTS

Students need to complete:

- One Lower Division (LD) Writing Course (CMPT 105W or other lower W course if planning on completing MBB 309W)
- One Upper Division (UD) Writing Course (CMPT 376W or MBB 309W)
- 6 units of Breadth Science (B-Sci) (MACM 101 and BISC 101)
- 6 units of Breadth Social (B-Soc)
- 6 units of Breadth Humanities (B-Hum)
- 6 units of Undesignated Breadth (UB) (Math 150/151 and Math 152)

Please refer to: http://www.sfu.ca/ugcr/for students/wgb requirements/breadth.html for courses that fulfill these requirements.

CO-OPERATIVE EDUCATION

Combines work experience with academic studies—all students are encouraged to apply. Co-op does not count towards academic credits. Co-op is not mandatory; however, three work terms must be successfully completed in order to obtain an undergraduate degree with a co-op designation. For more information about Co-op, please see: http://www.sfu.ca/coop/programs/cmpt/prospective.html.

ADVISING

Drop-In Advising is available at the Surrey and Burnaby campus for students in the Computing Science degree program. Please see the online calendar here https://booking.cs.sfu.ca/adbooking/calendar.cgi to view drop-in times or email asadvise@sfu.ca.

Please bring a copy of your advising transcript (download at go.sfu.ca) with you to the advising session.