

## 2023/24 Bioinformatics

Year 1	
	MDSC 201 (BLOCK WEEK)
BIOL 241	BIOL 243
CHEM 201	CHEM 203
MATH 249 (265)	MATH 267
*CPSC 231 (217)	*CPSC 233 (219)
MDSC 203	MDSC 205

<b>Student:</b>	
<b>Year of Admission:</b>	2023
<b>ID:</b>	
<b>Date:</b>	
<b>Minor:</b>	

Year 2	
CHEM 351	MDSC 301
STAT 321	CPSC 319 (331)
MDSC 341	MDSC 351
	Humanities Option
MDSC 308	

<b>Humanities Option:</b>	Selected from Departments of English; School of Languages; Classics and Religion; Linguistics, Literatures and Cultures; and Philosophy; or <b>MDSC 307 or 309</b> . <b>PHIL 279 is highly recommended.</b>
<b>Open Option:</b>	any course
<b>Core Option ***:</b>	Medical Science 402, 404, 417, 419, 501, 503, 507, 515, 517, 521, 523, 528, 535, 541, 543, 561, 565, 567, 569 Biochemistry 411, 413, 443, 543, 547, 561, 575 Biology 305, 307, 309, 313, 315, 371, 375, 401, 435, 451, 453, 505, 591 Cellular, Molecular and Microbial Biology 343, 403, 421, 431, 443, 451, 461, 505, 543, 545, 563 Computer Science 329, 335, 355, 359, 399, 405, 409, 411, 433, 441, 449, 457, 461, 471, 481, 499, 526, 550, 565, 568, 571, 575, 583 Data Science 305 Mathematics 311, 313, 319, 325, 331, 361, 367, 376, 391, 413 Statistics 323, 429, 431, 519, 523, 525, 529, 531, 533
<b>Senior Option:</b>	any course at the 300-level or above

Year 3	
Senior Option	Core Option
SENG 300	Open Option
Core Option	BCEM 393 or 341
MDSC 403	Senior Option
MDSC 408	

\*Students with programming experience may register in CPSC 235 in place of CPSC 231, CPSC 233. Students selecting this option must have approval from the Department of Computer Science. If a student completes CPSC 235, 3 units may be taken as an open option.

**\*\* MDSC 508**

(Research Project to be taken in final year.) The Research Project is worth 12 units and is held over two terms.

**\*\*\* 15 units Core Option:** At least 3 units must be in BIOL, BCEM, CMMB or MDSC, and at least 3 units must be in CPSC. MDSC 402 and 417/419 cannot be taken in the same year as MDSC 508.

Year 4	
Core Option	MDSC 519
Core Option	Senior Option
MDSC 523 or MDSC 545	Core Option
<b>** MDSC 508</b>	