

# B.Sc. or B.A. Joint Major in Data Science

Academic Year 2022–2023

## Mathematics and Statistics Stream

### Suggested Curriculum

Required courses: 33 credits Math & Stat Component + 39 credits Computer Science Component = 72 credits in total

TERM 1 (F)	TERM 2 (W)	TERM 3 (F)	TERM 4 (W)	TERM 5 (F)	TERM 6 (W)
STAT 280 <sup>3</sup>	MAST 234 <sup>3</sup>	MAST 334 <sup>3</sup>	STAT 380 <sup>3</sup>	M&S elective <sup>3</sup>	M&S elective <sup>3</sup>
MAST 218 <sup>3</sup>	MAST 333 <sup>3</sup>	MAST 387 <sup>3</sup>	ENCS 282 <sup>3</sup>	COMP 353 <sup>4</sup>	STAT 385 <sup>3</sup>
MAST 221 <sup>3</sup>	COMP 249 <sup>3.5</sup>	COMP 228 <sup>3</sup>	CS elective	CS elective	ENCS 393 <sup>3</sup>
COMP 232 <sup>3</sup>	COMP 335 <sup>3</sup>	COMP 352 <sup>3</sup>			SOEN 471 <sup>4</sup>
COMP 248 <sup>3.5</sup>					

(1) M&S electives include at least six credits of MAST/MATH/STAT electives (at least 300 level) with prior department approval.

(2) CS electives include at least six credits of electives chosen from 400-level COMP/SOEN courses with prior departmental approval.

(3) Do not take BTM 200, DESC 200 or INTE 290. They are not credited for students enrolled in Mathematics and Statistics programs. BSc students: do not take CHEM 208.

### Program Requirements

- 27 MAST 218, MAST 221, MAST 234, MAST 333, MAST 334, MAST 387, STAT 280, STAT 380, STAT 385
- 6 Two MAST/MATH/STAT electives (at least 300 level) with prior department approval
- 27 COMP 228; COMP 232, COMP 248, COMP 249, COMP 335, COMP 352, COMP 353, SOEN 471
- 6 ENCS 282, ENCS 393
- 6 Two COMP/SOEN electives (400 level) with prior departmental approval