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

Academic Year 2026–2027

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[3]	MAST 234[3]	MAST 334[3]	STAT 380[3]	M&S or CS elective	M&S or CS elective
MAST 218[3]	MAST 333[3]	MAST 387[3]	ENCS 282[3]	COMP 353[4]	STAT 385[3]
MAST 221[3]	COMP 228[3]	COMP 335[3]	M&S or CS elective	M&S or CS elective	ENCS 393[3]
COMP 232[3]	COMP 249[3.5]	COMP 352[3]			SOEN 471[4]
COMP 248[3.5]					

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(1) The four M&S or CS electives must include two M&S electives and two CS electives.

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

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

(4) 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.

(5) MAST 334 may not be replaced with COMP 361 ; STAT 380 may not be replaced with COMP 432 ; STAT 385 may not be replaced with COMP 433

Program Requirements

27 MATH 264 MAST 221 MAST 234 MAST 333 MATH 354 MAST 387 STAT 280 STAT 380 STAT 385

6 credits chosen from: MACF/MAST/MATH/STAT elective courses at the 300 or 400 level

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