

# Actuarial Science Joint Honours Plan

2020-2021 calendar

	Course	Year/ Term	Topic	Pre-reqs	Offering	Comments
1	CS 115 or CS 135 or CS 145	1A	CS Core I		FWS	
2	MATH 135/145	1A	Algebra		FWS	
3	MATH 137/147	1A	Calculus I		FWS	
4	MTHEL 131	1A/B	Intro to Actuarial Practice		FWS	≥60% required for admission to ACTSC
5	CS 116 or CS 136 or CS 146	1B	CS Core II	CS Core I	FWS	
6	MATH 136/146	1B	Linear Algebra 1	M135	FWS	
7	MATH 138/148	1B	Calculus II	M137	FWS	
8	AFM 101	1	Introduction to Financial Accounting		FWS	
9	MATH 235/245	2A	Linear Algebra 2	M136	FWS	
10	MATH 237/247	2A	Calculus 3	M136,138	FWS	
11	STAT 230/240	2A	Probability	M. 137 >80% or M138	FWS	
12	STAT 231/241	2B	Statistics	M138,S230	FWS	
13	ACTSC 231	2A	Introductory Financial Mathematics	M137, level 2A, Coreq S230	FWS	
14	ACTSC 232	2B	Life Contingencies 1	≥60% in AS231, ≥60% in MTHEL 131**, S.230	FWS	
15	ACTSC 331	3A	Life Contingencies 2	≥60% in AS232	FWS	
16	ACTSC 363	3A	Casualty and Health Insurance Mathematics 1	Coreq S330	FW (S-?)	First offering is Winter 2021
17	ENGL 378/MTHEL 300	3B/4	Professional Communications in Statistics and Actuarial Science	(AS331 or S331), ≥70% in EMLS 101R, 102R, EMLS/ENGL 129R, ENGL 109, SPCOM 100, 223	FWS	
18	ACTSC 431	4	Casualty and Health Insurance Mathematics 2	≥60% in A363, S330	FS	First offering is Spring 2021
19	ACTSC 446	4	Mathematics of Financial Markets	(AS231,371), (S333 or 334)	FW	
20	STAT 330	3	Mathematical Statistics	M237, ≥60% in S230, S231	FWS	
21	STAT 333	3	Applied probability	≥60% in S230, level 3A	FWS	
+	2 Additional courses from					
	Any 300-400 level ACTSC	3/4			varies	
	AFM 424	3/4	Equity Investments	AS372	FW	
+	Enough additional math to meet the minimum 26 required Math courses					

Aug-20

**Students doing a Joint Actuarial Science must complete 26 math courses.**