

**Actuarial Science Joint Honours Plan
2012-2013 Calendar**

	Course	Math Core ?	Year	Term	Topic	Pre-reqs	Offering
1	CS 115 or CS 135 or CS 145	y	1	A	CS Core I		FWS
2	MATH 135/145	y	1	A	Algebra		FWS
3	MATH 137/147	y	1	A	Calculus I		FWS
4	CS 116 or CS 136 or CS 146	y	1	B	CS Core II	CS Core I	FWS
5	MATH 136/146	y	1	B	Linear Algebra 1	M135	FWS
6	MATH 138/148	y	1	B	Calculus II	M137	FWS
7	MATH 235	y	2	A	Linear Algebra 2	M136	FWS
8	MATH 237	y	2	A	Calculus 3	M136,138	FWS
9	STAT 230	y	2	A	Probability	M137	FWS
10	STAT 231	y	2	B	Statistics	M138,S230	FWS
11	ACTSC 231	n	2	A	Maths of finance	M137, level 2A	FWS
12	ACTSC 232	n	2	B	Intro actuarial math	AS231,S230, ENGL 119 or Good/Excellent in ELPE	FWS
13	ACTSC 331	n	3	A	Life Contingencies 1	≥60% in AS232	FWS
14	ACTSC 431	n	4	A	Loss models 1	S330,S333	FS
15	ACTSC 432	n	4	A	Loss models 2	S330,S333	FS
16	STAT 330	n	3	A/B	Stat theory and methods	M237, ≥60% in S230,S231	FWS
17	STAT 333	n	3	A/B	Applied probability	≥60% in S230, level 3A	FWS
18	MTHEL 131	n	1/2	A/B	Intro to actuarial practice		FW
+	3 additional courses from						
	Any 300-400 level ACTSC	n	3/4	B/A			varies
	AFM 472	n	3/4	B/A	Investments	AS372	FW
	STAT 331	n	3	A/B	Applied linear models	M235, ≥60% in S231	FWS
	STAT 340	n	3/4	A/B	Simulation	S231, CS Core II	WS
	STAT 433 or STAT 431	4	A/B	n	processes/Generalized linear models	S333/S330,S331	F
	STAT 443	n	3/4	B/A	Forecasting	S331	FWS

October, 2012