

Honours Actuarial Science for Double Degree Students ONLY

2012 & 2013 Calendar

	Course	/ Term	Topic	Pre-reqs	Offering	SoA/CAS exams	CIA Accreditation	Comments
1	MTHEL 131	1	Intro to Actuarial Practice		FWS			
2	ACTSC 232	2B	Introduction to Actuarial Mathematics	AS231,S230, ENGL 119 or other is achieved with completion of DD	FWS	MLC	MLC - 75%	
3	ACTSC 331	3	Life Contingencies 1	≥60% in AS232	FWS	MLC	MLC - 75%, 3L - 75%	
4	ACTSC 431	4	Loss models 1	S330,S333	FS	* C	C - 75%	* most exam C material from these courses
5	ACTSC 432	4	Loss models 2	S330,S333	FS	* C	C - 75%	* most exam C material from these courses
6	STAT 330	3	Stat theory and methods	M237, ≥60% in S230,S231	FWS			
7	STAT 333	3	Applied probability	≥60% in S230, level 3A	FWS			
8	STAT 340	3/4	Simulation	S231, CS Core II	WS	C		
+	4 Additional 300-400 level ACTSC courses (or BUS 473W or STAT 431/433 or STAT 443); currently available courses include:							
	ACTSC 433	4	Survival analysis	AS331,S330	W	C	C - 75%	
	ACTSC 445	4	Quantitative Risk Management	(AS231,371), (S330 and 333 or 334)	FS	FSA(CFE, QRM)		
	ACTSC 446	4	Math models in finance	(AS231,371), (S333 or 334)	FW	MFE	MFE - 75%	
	ACTSC 453	4	Pensions	AS331	W(odd years)	FAP/FSA(R)		
	ACTSC 455	4	Advanced Life Insurance Practice	≥60% in AS331	W	MLC	MLC - 75%	
	ACTSC 462	4	Intro to Property & Casualty Pricing	(AFM 272 or AS 231)	W	CAS - Exam 5		
	ACTSC 463	4	Intro to Property & Casualty Loss Reserving	(AFM 272 or AS 231), (S331 or 371 or 373)	F	CAS - Exam 6		
	BUS 473W	3/4	Investment Management	BUS 393				
	STAT 443	3/4	Forecasting	S331	FWS	VEE-AS		
	STAT 433 or STAT 431	4	Stochastic processes or Generalized linear models	S333 S330,(S331 or S371)	F FWS			

Honours Actuarial Science Finance Option for Double Degree Students ONLY

2012 & 2013 Calendar

	Course	/ Term	Topic	Pre-reqs	Offering	SoA/CAS exams	CIA Accreditation	Comments
1	MTHEL 131	1	Intro to Actuarial Practice		FWS			Required for admission
2	ACTSC 232	2B	Introduction to Actuarial Mathematics	AS231,S230, ENGL 119 or other is achieved with completion of DD	FWS	MLC	MLC - 75%	
3	ACTSC 331	3	Life Contingencies 1	≥60% in AS232	FWS	MLC	MLC - 75%, 3L - 75%	
4	ACTSC 431	4	Loss models 1	S330,S333	FS	* C	C - 75%	* most exam C material from these courses
5	ACTSC 445	4	Quantitative Risk Management	(AS231,371), (S330 and 333 or 334)	FS	FSA(CFE, QRM)		* most exam C material from these courses
6	ACTSC 446	4	Math models in finance	(AS231,371), (S333 or 334)	FW	MFE	MFE - 75%	
7	STAT 330	3	Stat theory and methods	M237, ≥60% in S230,S231	FWS			
8	STAT 333	3	Applied probability	≥60% in S230, level 3A	FWS			
9	STAT 340	3/4	Simulation	S231, CS Core II	WS	C		
+	3 Additional 300-400 level ACTSC courses (or BUS 473W or STAT 431/433 or STAT 443); currently available courses include:							
	ACTSC 433	4	Survival analysis	AS331,S330	W	C	C - 75%	
	ACTSC 432	4	Loss models 2	S330,S333	FS	* C	C - 75%	* most exam C material from these courses
	ACTSC 453	4	Pensions	AS331	W(odd years)	FAP/FSA(R)		
	ACTSC 455	4	Advanced Life Insurance Practice	≥60% in AS331	W	MLC	MLC - 75%	
	ACTSC 462	4	Intro to Property & Casualty Pricing	(AFM 272 or AS 231)	W	CAS - Exam 5		
	ACTSC 463	4	Intro to Property & Casualty Loss Reserving	(AFM 272 or AS 231), (S331 or 371 or 373)	F	CAS - Exam 6		
	BUS 473W	3/4	Investment Management	BUS 393				
	STAT 443	3/4	Forecasting	S331	FWS	VEE-AS		
	STAT 433 or STAT 431	4	Stochastic processes or Generalized linear models	S333 S330,(S331 or S371)	F FWS			