Actuarial Science--Finance Option Honours Plan 2015-2016 Calendar

	Course	Year/ Term	Торіс	Pre-reqs	Offering	SoA/CAS exams	as of September 2014	Comments
1	CS 115 or CS 135 or CS 145 *	1A	CS Core I		FWS			* a few other options - see first year advisor if you have issues
2	MATH 135/145	1A	Algebra		FWS			
3	MATH 137/147	1A	Calculus I		FWS			
	Math Fastish saves	1A	Course from English Language		FIM O			** See note below if started in 2014 or earlier
4 5	Math English course MTHEL 131	1	Competency requirements list Intro to Actuarial Practice		FWS FWS			Requried for admission to ACTS
,	CS 116 or CS 136 or		Intio to Actuariai Fractice		FWS			* a few other options - see first
6	CS 146	1B	CS Core II	CS Core I	FWS			year advisor if you have issues
7	MATH 136/146	1B	Linear Algebra 1	M135	FWS			
8	MATH 138/148	1B	Calculus II	M137	FWS			
9	ECON 101	1	Intro microeconomics		FWS	VEE-E		
0	ECON 102	1/2	Intro macroeconomics		FWS	VEE-E		
1	AFM 101	1	Core Concepts of accounting information		FWS			
12	AFM 102	1/2	Introduction to managerial	AFM101	ws			
.3	MATH 235/245	2A	accounting Linear Algebra 2	M136	FWS			
4	MATH 237/247	2A	Calculus 3	M136,138	FWS			
5	STAT 230/240	2A	Probability	M137	FWS	Р		
Ĭ	2	2A	Introductory Financial					
6	ACTSC 231	4M	Mathematics	M137, level 2A, Coreq S230	FWS	FM	FM - 80%	
7	ONE OF:							
4	a) MATH 239	2B	Intro combinatorics	M136,138	FWS			
4	b) AMATH 231		Calculus 4	M237	FW			
4	c) AMATH 250	20	Intro to diff equations	M138	FWS			
8	STAT 231/241	2B	Statistics	M138,S230	FWS			
9	ACTSC 232	2B	Life Contingencies 1	>60% in A232, >60% in MTHEL 131**, S.230	FWS	MLC	MLC - 75%	** See note below if started in 2014 or earlier
0	ACTSC 232 ACTSC 371	2/3	Introduction to Investments	Coreq S231	FWS	FM	FM - 80%	
1	ACTSC 372	3	Corporate Finance	AS371, M237	FWS	VEE-CF	111 0070	
2	ACTSC 331	3	Life Contingencies 2	≥60% in AS232	FWS	MLC	4LC - 75%, 3L - 75%	ń
:3	STAT 330	3	Stat theory and methods	M237, ≥60% in S230,S231	FWS			
4	STAT 331	3	Applied linear models	M235, ≥60% in S231	FWS	VEE-AS		
:5	STAT 333	3	Applied probability	≥60% in S230, level 3A	FWS			
:6	ENGL 378/MTHEL 300	3B/4	Professional Communications in Statistics and Actuarial Science	(A331 or S331),>70% in EMLS 101R, 102R, EMLS/ENGL 129R, ENGL 109, SPCOM 100, 223	FWS			First offering will be Fall 2016
27	STAT 340	3/4	Simulation	S231,CS Core II	WS	С		
8	ACTSC 431	4	Loss models 1	S330,S333	FS	* C	C - 75%	* most exam C material from thes courses
		4	Quantitative Enterprise Risk	(AS231,371), (S330 and 333 or		FSA(CFE,		courses
9	ACTSC 445		Management	334)	FS	QRM)		
0	ACTSC 446	4	Mathematics of Financial Markets	(AS231,371),(S333 or 334)	FW	MFE	MFE - 75%	
+ 4	4 Additional 300-400 le	evel ACT	SC courses (or AFM 472 or STAT 4	!	ntly availah	le courses inclu	ıde:	
1	ACTSC 432	4	Loss models 2	\$330,\$333	FS FS	* C	C - 75%	* most exam C material from the
1	ACTSC 432 ACTSC 433	4	Survival analysis	AS331,S330	W	C	C - 75%	courses
	ACTSC 453	4	Pensions	AS331	W (odd years)	FAP/FSA(R)	C 7370	
	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 5 & SOA GI IRR		
	ACTSC 463	4	Intro to Property & Casualty Loss Reserving	(AFM 272 or AS 231), (S331 or 371 or 373)	F	CAS 5 & SOA GI IRR		
4	ACTSC 471/AFM 476	4	Advanced corporate finance	AS372	W	FSA(F)		
4	AFM 472/AFM 424	3/4	Investments	AS372	FW	FSA(F,V)		
4	STAT 443	3/4	Forecasting Stochastic processes or	\$331 \$333	FWS	VEE-AS		
4	STAT 433 or STAT 431	4	Stochastic processes or Generalized linear models	S333 S330,(S331 or S371)	F FWS			
+ 1	5 Additional courses of	which a	at least 3 must be outside the math	 faculty (2 if AFM 472 is take	en)			
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	Students who want a	a doubl	e major with Statistics must ha	ve STAT 332 and a total o	f 3 STAT 4	XX courses		