Actuarial Science Honours Plan

2015-2016 Calendar

	C	Year/	Tonio	D	Official	SoA/CAS	as of September	Comments
	Course CS 115 or CS 135 or CS 145 *	Term	Topic	Pre-reqs	Offering	exams	2014	* a few other options - see first year advisor if you hav
1		1A	CS Core I		FWS			issues
2	MATH 135/145	1A	Algebra		FWS			
3	MATH 137/147	1A	Calculus I Course from English Language		FWS			** See note below if starte
4	Math English course	1A	Competency requirements list		FWS			in Fall 2014 or earlier
5	MTHEL 131	1	Intro to Actuarial Practice		FWS			Requried for admission to ACTSC * a few other options - see
6	CS 116 or CS 136 or CS 146 *	1B	CS Core II	CS Core I	FWS			first year advisor if you ha 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		
	1511.101	1	Core Concepts of accounting		5140			
11	AFM 101	2.4	information		FWS			
12	MATH 235/245	2A	Linear Algebra 2	M136	FWS			
.3	MATH 237/247	2A 2A	Calculus 3	M136,138	FWS	_		
.4	STAT 230/240	2A 2A	Probability	M137	FWS	P	FM 000/	
.5	ACTSC 231 ONE OF:	ZA	Introductory Financial Mathematics	M137, level 2A, Coreq S230	FWS	FM	FM - 80%	
	a) MATH 239	2B	Intro combinatorics	M136,138	FWS			
	b) AMATH 231		Calculus 4	M237	FW			
.6	c) AMATH 250		Intro to diff equations	M138	FWS			
7	STAT 231/241	2B	Statistics	M138,S230	FWS			
_				>60% in A232, >60% in MTHEL 131**,				** See note below if start
8.	ACTSC 232	2B	Life Contingencies 1	S.230	FWS	MLC	MLC - 75%	in Fall 2014 or earlier
9	ACTSC 371	2/3	Introduction to Investments	Coreq S231	FWS	FM	FM - 80%	<u> </u>
0	ACTSC 331	3	Life Contingencies 2	≥60% in AS232	FWS	MLC	4LC - 75%, 3L - 75%	o
1	STAT 330	3	Stat theory and methods	M237, ≥60% in S230,S231	FWS	\/FE AC		
22	STAT 331	3	Applied linear models	M235, ≥60% in S231	FWS	VEE-AS		
23	STAT 333	,	Applied probability	≥60% in S230, level 3A (A331 or S331),>70% in EMLS 101R,	FWS			
	ENGL 378/MTHEL		Professional Communications in	102R, EMLS/ENGL 129R, ENGL 109,				First offering will be Fall 201
24	300	3B/4	Statistics and Actuarial Science	SPCOM 100, 223	FWS	_		
25	STAT 340	3/4	Simulation	S231,CS Core II	WS	С		* most exam C material from
26	ACTSC 431	4	Loss models 1	S330,S333	FS	* C	C - 75%	these courses * most exam C material fror
27	ACTSC 432	4	Loss models 2	S330,S333	FS	* C	C - 75%	these courses
28	ACTSC 446	4	Mathematics of Financial Markets	(AS231,371), (S333 or 334)	FW	MFE	MFE - 75%	
+	4 Additional 300-400	level AC	TSC courses (or AFM 472 or STAT 4	31/433 or STAT 443): currently	, available	courses include		
1"	ACTSC 372	3	Corporate Finance	AS371, M237	FWS	VEE-CF		
	ACTSC 433	4	Survival analysis	AS331,S330	W	C	C - 75%	
			Quantitative Enterprise Risk	(AS231,371), (S330 and 333 or 334)		FSA(CFE,	C = 7370	
	ACTSC 445	4	Management	337)	FS W(odd	QRM)		
	ACTSC 453	4	Pensions	AS331	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 5 & SOA GI IRR		
			Intro to Property & Casualty Loss	(AFM 272 or AS 231), (S331 or		CAS 5 & SOA		
	ACTSC 463	4	Reserving	371 or 373)	F	GI IRR		
	ACTSC 471/AFM 476	4	Advanced corporate finance	AS372	W			
	AFM 472/AFM 424	3/4	Investments	AS372	FW	FSA(F,V)		
	STAT 443 STAT 433 or	3/4	Forecasting Stochastic processes or	S331 S333	FWS F	VEE-AS		
	STAT 433 or STAT 431	4	Generalized linear models	S333 S330,(S331 or S371)	FWS			
+	1 Additional 200 400	loval ~	athomatics half unit courses com	un choices are				
Τ.			athematics half-unit courses; commo T 450, STAT 431 or 433 or ACTSC co		dditional"	above		
+	7 Additional courses, of which AT LEAST 4 must be outside the math faculty (3 if AFM 472 is taken)							
	Students who want	a doub	le major with Statistics must had	ve STAT 332 and a total of 3	STAT 4X	X courses		
	Total 40 course	es						İ