

SAMPLE SCHEDULE

Bachelor of Science in Mathematics: Actuarial Science Specialization

First Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
WU 101	Washburn Experience	3	XXX	Arts and Humanities	3
EN 101	Introduction to College Writing	3	XXX	Institutional: Inclusion and Belonging (recommend BI 203/260 to also count as NSD hrs)	3
MA 151	Calculus I	5	MA 152	Calculus II	5
MA 140	Introduction to Statistics	3	MA340/341 /NSD	ANOVA (even yrs)/NonParam (odd yrs) (only one is required, take NSD elective otherwise)	3
Total Hours		14	Total Hours		14
Second Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
XXX	Natural & Physical Science (take a course that will also count as NSD hrs)	5	XXX	Social and Behavioral Sciences	3
EC 200	Microeconomics	3	NSD ---	Natural Science elective	3
CN XXX	Communications	3	EC 201	Macroeconomics	3
EN 200	Intermediate College Writing	3	AC 224	Financial Accounting	3
MA 253	Calculus III	3	MA340/341 /NSD	ANOVA (even yrs)/NonParam (odd yrs) (only one is required, take NSD elective otherwise)	3
Total Hours		17	Total Hours		15
Third Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
NSD -----	Institutional: Scientific Literacy (take a course that will also count as NSD hrs)	3	EN 3XX	Upper-Division College Writing	3
XXX	Arts and Humanities	3	BU 374	Principles of Risk and Insurance	3
MA 344/ MA 384	Mathematical Statistics (odd years)/ Theory of Interest (even years) *	3	MA 347/ MA 385	Stochastic Processes (even years) / Actuarial Math (odd years)	3
MA 301/ MA 346	Linear Algebra (odd years)/ Regression Analysis (even years)	3	MA 345/ MA 348	Math Stats II (even years) / Time Series (odd years)	3
AC 225	Managerial Accounting	3	NSD ---	Natural Science elective	3
Total Hours		15	Total Hours		15
Fourth Year					
Fall			Spring		
MA 344/ MA 384	Mathematical Statistics (odd years)/ Theory of Interest (even years) *	3	MA 345/ MA 348	Math Stats II (even years) / Time Series (odd years)	3
MA 301/ MA 346	Linear Algebra (odd years)/ Regression Analysis (even years)	3	MA 347 MA 385	Stochastic Processes (even years) / Actuarial Math (odd years)	3
BU 381	Business Finance	3	BU 483	Investments	3
NSD 3XX	Upper Division Natural Science elective	3	NSD 3XX	Upper Division Natural Science elective	3
			NSD ---	Natural Science elective as needed	3-4
Total Hours		15	Total Hours		15-16
* Take Society of Actuary Exam (SOA) FM after taking MA 384. Take SOA exam P after taking MA 344.					
30 hours in Natural Sciences (15 hours in one Department) are required. A minor can be obtained with careful selection of courses. The minor must be declared in the respective Department (Physics, Chemistry, Biology, Computer Science).					
Adding BU 345 Human Resources (3) completes a Business minor. Declare with School of Business.					
Adding BU 378 Life and Health Insurance (3) completes the Kansas Insurance Certificate. Contact SOBU for information.					