



## Bachelor of Science in Mathematics: Applied Statistics Specialization

First Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
WU 101	Washburn Experience	3	-----	Natural & Physical Science (take a course that will also count as NSD hrs)	4-5
EN 101	Introduction to College Writing	3	-----	Arts and Humanities	3
MA 151	Calculus I	5	MA 152	Calculus II	5
CM 111	Structured Programming (NSD)	4	MA 140	Introduction to Statistics	3
Total Hours		15	Total Hours		15-16

Second Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
NSD ---	Natural Science elective	3	NSD ---	Natural Science elective	3
CM 245	Contemporary Progr Methods (NSD)	3	-----	Institutional-Diversity, Equity, Inclusion	3
-----	Social and Behavioral Sciences	3	CM 307	Data Structures (NSD)	3
EN 200	Intermediate College Writing	3	CN XXX	Communications	3
MA 253	Calculus III	3	MA340/ MA 341	ANOVA (even years)/ NonParametric (odd years)	3
Total Hours		15	Total Hours		15

Third Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
-----	Arts and Humanities	3	EN 3xx	English course	3
MA 344/ MA 346	Mathematical Statistics (odd years)/ Regression Analysis (even years)	3	MA 347/ --- 3xx	Stochastic Processes (even years) / Upper Division course (odd years)	3
MA 301/ MA 342	Linear Algebra (even years)/ Statistical Computing (odd years)	3	MA 345/ MA 348	Math Stats II (even years) / Time Series (odd years)	3
NSD ---	Natural Science elective	3	MA340/ MA 341	ANOVA (even years)/ NonParametric (odd years)	3
-----	Elective course	3	NSD ---	Elective course	3
Total Hours		15	Total Hours		15

Fourth Year					
Fall			Spring		
Number	Title	Hours	Number	Title	Hours
MA 344/ MA 346	Mathematical Statistics (odd years)/ Regression Analysis (even years)	3	MA 345/ MA 348	Math Stats II (even years) / Time Series (odd years)	3
MA 301/ MA 342	Linear Algebra (even years)/ Statistical Computing (odd years)	3	MA 347/ --- 3xx	Stochastic Processes (even years) / Upper Division course (odd years)	3
CM 332	Data Mining (NSD)	3	CM 336	Database Management Systems (NSD)	3
--- 3xx	Upper Division University course	3	-----	Social and Behavioral Sciences	3
-----	Institutional-Scientific Literacy	3	-----	Elective course ( NSD as needed)	2-3
Total Hours		15	Total Hours		14-15

**Requirements for a minor in Computer Information Science is completed with this degree.  
Student must declare the minor with the CIS Department.**

**30 hours in the Natural Sciences (outside of math) with 15 hours in one Department are required. With careful selection of Natural Science electives and elective courses, a student could obtain a minor in Chemistry, Forensic Chemistry, Physics, or Biology. The minor must be declared in the respective Department.**