

## 2021-2022 Four-Year Plan for the BS Stat: Actuarial Science and Finance Degree

Freshman			Spring		
Fall					
MATH 143	College Algebra	3	MATH 170	Calculus I	4
Elective	Scientific Ways of Knowing Course	4	MATH 144	Analytic Trigonometry	1
ENGL 101	Writing and Rhetoric I	3	ENGL 102	Writing and Rhetoric II	3
Elective	Oral Communication Course	2	Elective	Scientific Ways of Knowing Course	4
Elective	Social and Behavioral Ways of Knowing Course	3	ECON 201	Principles of Macroeconomics	3
Total Credits		<b>15</b>	Total Credits		<b>15</b>

Sophomore			Spring		
Fall					
MATH 175	Calculus II	4	STAT 251 or 301	STAT 251 or STAT 301	3
ACCT 201	Intro to Financial Accounting	3	ACCT 202	Intro to Managerial Accounting	3
CS 112 or 120	CS 112 or CS 120	3	MATH 275	Calculus III	3
Elective	Social and Behavioral Ways of Knowing Course	3	Elective	Humanistic and Artistic Ways of Knowing Course	3
Elective	Humanistic and Artistic Ways of Knowing Course	3	ECON 202	Principles of Microeconomics	3
Total Credits		<b>16</b>	Total Credits		<b>15</b>

Junior			Spring		
Fall					
FIN 301	Financial Resources Mgmt	3	STAT 426	SAS Programming	3
MATH 310	Ordinary Differential Equations	3	MATH Elective	400-level mathematics course	3
MATH 330	Linear Algebra	3	Choice	ECON 351 or 352, FIN 302, or 381 or 408 or 463 or 464 or 465 or 469, or MATH 455, or STAT 419/426/427	3
Elective	American Diversity Course	3	Elective	Free Elective, 1-credit course	1
Elective	Elective	3	Elective	International Course	3
Total Credits		<b>15</b>	Elective	Free Elective	3
Total Credits		<b>15</b>	Total Credits		<b>16</b>

Senior			Spring		
Fall					
MATH 451	Probability Theory	3	MATH 452	Mathematical Statistics	3
STAT 431	Statistical Analysis	3	STAT 436	Applied Regression Modeling	3
MATH Elective	400-level mathematics course	3	MATH Elective	400-level mathematics course	3
Choice	ECON 351 or 352, FIN 302, or 381 or 408 or 463 or 464 or 465 or 469, or MATH 455, or STAT 419/426/427	3	Choice	ECON 351 or 352, FIN 302, or 381 or 408 or 463 or 464 or 465 or 469, or MATH 455, or STAT 419/426/427	3
Elective	Free Elective	3	Elective	Free Elective	3
Total Credits		<b>15</b>	Total Credits		<b>15</b>