

**Graduation plan for Applied Stat major with CMSC and Econ minors, Actuarial Specialization**

Semester	Class (credits)	Class name	Purpose	Prerequisites
<b>1<sup>st</sup> year Fall</b>	<b>18 credits</b>			
	Math 151 (4)	Calculus I	Lower-level core	Math 150
	Econ 101 (3)	Intro to Microeconomics	VEE/Econ minor/SS GEP	
	English 100 (3)	Composition	English GEP	
	CMSC 201 (4)	Computer Science I	Stat elective/CMSC minor	Math 150
	Lang 101 (4)	(choice among several)	Language GEP	
<b>1<sup>st</sup> year Spring</b>	<b>18 credits</b>			
	Math 152 (4)	Calculus II	Lower-level core	Math 151
	Econ 102 (3)	Intro to Macroeconomics	VEE/Econ minor/SS GEP	
	CMSC 202 (4)	Computer Science II	CMSC minor	CMSC 201
	Econ 121 (3)	Accounting I	VEE	
	Lang 102 (4)	(choice among several)	Language GEP	Lang 101
<b>2<sup>nd</sup> year Fall</b>	<b>17 credits</b>			
	Math 251 (4)	Calculus III	Lower-level core	Math 152
	Math 221 (3)	Linear Algebra	Lower-level core/CMSC minor	Math 151
	Stat 365 (3)	Financial Math for Actuaries	Stat elective/FM exam prep	Math 152
	Econ 122 (3)	Accounting II	VEE	
	Lang 201 (4)	(choice among several)	Language GEP	Lang 102

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<b>2<sup>nd</sup> year Spring</b>	<b>16 credits</b>			
	Stat 355 (4)	Stat for Scientists & Engineers	Mid-level core	Math 152
	Econ 311 (3)	Intermediate Microeconomics	Econ minor	Econ 101/Math 151
	CMSC 203 (3)	Discrete Structures	CMSC minor	Math 151
	AH GEP (3)	(choice among several)	AH GEP	
	SS GEP (3)	(choice among several, cannot be Econ)	SS GEP	
<b>3<sup>rd</sup> year Fall</b>	<b>16 credits</b>			
	Stat 451 (3)	Intro to Probability Theory	Upper-level core/P exam prep	Math 251
	Stat 454 (3)	Applied Statistics	Upper-level core	Stat 355
	CMSC 341 (3)	Data Structures	Stat elective/CMSC minor	CMSC 202 & 203
	Stat 417 (3)	Time series (choice among several stat electives)	Stat elective	Stat 355
	Sci w/lab (4)	(choice among several)	Science GEP	
<b>3<sup>rd</sup> year Spring</b>	<b>18 credits</b>			
	Stat 453 (3)	Intro to Mathematical Statistics	Upper-level core/VEE	Stat 451
	Econ 312 (3)	Intermediate Macroeconomics	Econ minor	Econ 101 & 102, Math 151
	Econ 421 (3)	Econometrics	Stat elective/Econ minor	Econ 101 & 102, Stat 355
	Engl 393 (3)	Technical Communication	Stat communication req/WI	Engl 100
	Science w/o lab (3)	(choice among several)	Science GEP	
	AH GEP (3)	(choice among several)	AH GEP	

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<b>4<sup>th</sup> year Fall</b>	<b>18 credits</b>			
	Stat 433 (3)	Statistical Computing	Upper-level core	Stat 355 or 453
	Econ 374 (3)	Financial Management	VEE/Econ minor	Econ 101 & 121, Stat 355
	CMSC 436 (3)	Data Visualization	CMSC minor	CMSC 341
	Math 452 (3)	Intro to Stochastic Processes (choice among several electives)	Stat elective	Stat 355
	Stat 4** (3)	(choice among several stat electives)	Stat elective	Varies
	Speech 100	Public Speaking	Stat communication req	
<b>4<sup>th</sup> year Spring</b>	<b>15 credits</b>			
	Econ 477 (3)	Analysis of Derivative Securities	Econ minor/IFM exam prep	Econ 374 & 311
	Stat 4** (3)	(choice among several stat electives)	Stat elective	Varies
	CMSC 331 (3)	Principles of Programming Languages	Stat elective/CMSC minor	CMSC 202 & 203
	AH GEP (3)	(choice among several)	AH GEP	
	Culture (3)	(choice among several)	Culture GEP	