

Graduation plan for Applied Stat major with CMSC minor, Actuarial Specialization

Semester	Class (credits)	Class name	Purpose	Prerequisites
1st year Fall	15 credits			
	Math 151 (4)	Calculus I	Lower-level core	Math 150
	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	
1st year Spring	15 credits			
	Math 152 (4)	Calculus II	Lower-level core	Math 151
	Econ 101 (3)	Intro to Microeconomics	VEE/Econ minor/SS GEP	
	CMSC 202 (4)	Computer Science II	CMSC minor	CMSC 201
	Lang 102 (4)	(choice among several)	Language GEP	Lang 101
2nd year Fall	14 credits			
	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
	Lang 201 (4)	(choice among several)	Language GEP	Lang 102

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2nd year Spring	16 credits			
	Stat 355 (4)	Stat for Scientists & Engineers	Mid-level core	Math 152
	CMSC 203 (3)	Discrete Structures	CMSC minor	Math 151
	Econ 102 (3)	Intro to Macroeconomics	VEE/Econ minor/SS GEP	
	AH GEP (3)	(choice among several)	AH GEP	
	SS GEP (3)	(choice among several, cannot be Econ)	SS GEP	
3rd year Fall	16 credits			
	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	
3rd year Spring	15 credits			
	Stat 453 (3)	Intro to Mathematical Statistics	Upper-level core/VEE	Stat 451
	Math/Stat 4** (3)	(choice among several)	Stat elective	varies
	Engl 393 (3)	Technical Communication	Stat communication req/WI	Engl 100
	Science w/out lab (3)	(choice among several)	Science GEP	
	AH GEP (3)	(choice among several)	AH GEP	

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4th year Fall	15 credits			
	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
4th year Spring	15 credits			
	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	
	Speech 100 (3)	Public Speaking	Stat communication req	