

Actuarial Science and Statistics Major - Option 2 Statistics, B.S. Degree (43-02576)

This guide is valid for the 2013 Undergraduate Catalog only and is subject to change. This guide is a recommendation only and your actual program may vary. The time it takes to complete a degree and the sequence in which courses are taken will depend on any credits transferred to UCM and on placement in math, reading, and writing. See the current Undergraduate Catalog (ucmo.edu/academics/catalogs) for a complete listing of academic policies, curriculum, prerequisites, and course descriptions.

Freshman Year - Fall Semester	Hrs.	Freshman Year - Spring Semester	Hrs.
CS 1100 Computer Programming I	3	CS 2800 Interactive System Design	3
ENGL 1020 Composition I	3	ENGL 1030 Composition II	3
MATH 1151 Calculus & Analytic Geometry I	5	MATH 1152 Calculus & Analytic Geometry II	5
MATH 1300 Basic Statistics	3	MATH 2410 Discrete Mathematics	3
Semester Total	14	Semester Total	14
AE 1400 Freshman Seminar*	1		
Sophomore Year - Fall Semester	Hrs.	Sophomore Year - Spring Semester	Hrs.
MATH 2153 Calculus & Analytic Geometry III	3	CS 4420 Systems Simulation and Modeling**	3
MATH 3311 Introduction to Math Statistics**	3	MATH 3151 Differential Equations**	3
MATH 3710 Linear Algebra	3	MATH 4312 Probability Models**	3
General Education	6	General Education	6
Semester Total	15	Semester Totals	15
Junior Year - Fall Semester	Hrs.	Junior Year - Spring Semester	Hrs.
MATH 3321 Applied Statistics I**	3	MATH 4322 Applied Statistics II**	3
Major Electives#	4	General Education	12
General Education	9	Semester Total	15
Semester Total	16		
Junior Year - Summer Semester	Hrs.		
CS 4100 SAS Programming**	3		
Semester Total	3		
Senior Year - Fall Semester	Hrs.	Senior Year - Spring Semester	Hrs.
MATH 4323 Statistical Aspects of Experimental Design**	3	MATH 4530 Statistical Modeling**	3
Major Electives#	6	Major Elective#	4-5
General Education	6	Free Choice Electives##	5-6
Semester Total	15	Semester Total	13

Actuarial Science and Statistics Major - Option 2 Statistics, B.S. Degree - 120 hours

- *AE 1400 is a free choice elective and is highly recommended for academic success. If AE 1400 is chosen, 1 less hour of free choice electives will be needed.
- **This course is only offered during the semester indicated.
- # This major Option requires 14-15 hours of major electives. See the Undergraduate Catalog for a list of appropriate choices.
- ##The number of free choice electives required will depend on selections made in the major and general education.
- To satisfy the General Education Assessment Policy students must take the GEA exam before or during the semester in which a total of 45 credit hours will be earned. The minimum score of 425 must be achieved by the semester in which 75 credit hours will be earned. Go to UCM Testing Services (HUM 216, 660-543-4919) in MyCentral for more information.