

Bachelor of Science in Statistics - Actuarial Science Concentration (BIC)

A Suggested Sequence of Required Courses (2018-2019 Catalog)

F r e s h m a n Y e a r			
Fall		Spring	
_____ 0	Chapel (CHA 1088)	_____ 0	Chapel (CHA 1088)
_____ 2	BIC 1212 Examined Life I	_____ 3	Major Elective Courses (see below)
_____ 3	BIC 1314 World Cultures I	_____ 3	BIC 1324 World Cultures II
_____ 4	BIC 1413 Rhetoric I	_____ 3	BIC 1323 Rhetoric II
_____ 3	MTH 1321 (if eligible) Calculus	_____ 3	MTH 1322 Calculus II
_____ 3	Major Elective Courses (see below)	_____ 3	Lab Science (see below)
Total: 15		Total: 16	
S o p h o m o r e Y e a r			
Fall		Spring	
_____ 3	BIC 2330 Social World I	_____ 3	BIC 2340 Social World II
_____ 3	BIC 2334 World Cultures III	_____ 3	BIC 2344 World Cultures IV
_____ 3	Major Elective Courses (see below)	_____ 3	Major Elective Courses (see below)
_____ 3	MTH 2321 Calculus III	_____ 3	MTH 2311 Linear Algebra
_____ 3	STA 3381 Probability and Stats.	_____ 3	STA 4382 Intermediate Stat. Methods
_____ 1	Lifetime Fitness		
Total: 16		Total: 15	
J u n i o r Y e a r			
Fall		Spring	
_____ 3-4	Foreign Language 1401/12 (see reverse)	_____ 3-4	Foreign Language - 1402/2310 (see reverse)
_____ 3	Major Elective Courses (see below)	_____ 4	Lab Science (see below)
_____ 3	STA 3386 Regression Analysis	_____ 3	Major Elective Courses (see below)
_____ 4	CSI 1430 Intro to Comp. Sci. I w/ Lab	_____ 1	Lifetime Fitness
_____ 3	STA 4385 Mathematical Stats I	_____ 3	STA 4386 Mathematical Stats II
Total: 16-17		Total: 14-15	
S e n i o r Y e a r			
Fall		Spring	
_____ 3	Foreign Language 2310 (see reverse)	_____ 3	Foreign Language 2320 (see reverse)
_____ 3	STA 4387 Intro to Probability Models	_____ 3	Major Elective Courses (see below)
_____ 3	STA 4373 Computational Methods	_____ 3	STA 4000 level
_____ 3	Major Elective Courses (see below)	_____ 3	STA 4000 level
_____ 3	BIC 3358 Biblical Heritage/Ethics	_____ 3	Elective (as needed)
Total: 15		Total: 15	

*All students must graduate with a minimum of 124 hours,
36 of which must be at the 3000/4000 level.*

Notes about major requirements:

- Lab science (8 hours): One course and lab from: BIO 1305-1105, BIO 1306-1106, CHE 1301-1101, CHE 1302-1102, NSC 1306-1106, PHY 1420, PHY 1430, GEO 1406, ENV 1301-1101, ENV 1303-1103, ENV 2375-2175, ENV 2407; One course and lab from: GEO 1401, GEO 1402, GEO 1403, GEO 1405, 1408
- Students who wish to pursue graduate training in statistics are encouraged to take additional advanced hours in mathematics, but a statistics department advisor can help you tailor your electives to your personal and professional goals.
- Major Elective Courses--At least 18 hours selected from the following: ECO 1305 or 1380, ACC 2303, ACC 2304, ECO 3306, ECO 3307, FIN 3305, FIN 3310, FIN 3311, FIN 4320, FIN 4366.
- A grade of "C" or better is required for all courses used for the major.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
- For more information, see the undergraduate catalog.