

Bachelor of Science in Applied Mathematics (Numerical Methods Options) (BIC)

A Suggested Sequence of Required Courses (2017-2018 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	_____ 4 Lab Science (see below)
_____	3	BIC 1314 World Cultures I	_____ 3 BIC 1324 World Cultures II
_____	4	BIC 1413 Rhetoric I	_____ 3 BIC 1323 Rhetoric II
_____	4	Lab Science (see below)	_____ 3 Elective
_____	3	MTH 1321 (if eligible) Calculus I	_____ 3 MTH 1322 Calculus II
Total:	16		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
_____	3-4	Foreign Language 1401/1412 (see reverse)	_____ 3-4 Foreign Language 1402/2310 (see reverse)
_____	4	CSI 1430 Intr to Comp Sci I w/lab	_____ 4 CSI 1440 Intr. to Comp Sci II w/ Lab
_____	3	MTH 2321 Calculus III	_____ 3 MTH 2311 Linear Algebra
Total:	16-17		Total: 16-17
J u n i o r Y e a r			
Fall			Spring
_____	3	Elective	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____	3	MTH Advanced Elective (3325 rec.)	_____ 3 Elective
_____	3	Foreign Lang. 2310 (see below/reverse)	_____ 3 Foreign Lang. 2320 (see below/reverse)
_____	3	MTH 3300 Foundations of Mathematics	_____ 3 MTH 4322 or 4328
_____	3	MTH 3324 Numerical Methods	_____ 3 MTH Advanced Elective
Total:	15		Total: 15
S e n i o r Y e a r			
Fall			Spring
_____	3	STA 3381 Probability and Statistics	_____ 3 MTH 4328 or 4322
_____	3	MTH Elective (see below)	_____ 3 MTH Advanced Elective
_____	1	Lifetime Fitness	_____ 1 Lifetime Fitness
_____	3	Advanced Elective	_____ 3 Advanced Elective
_____	3	Elective	_____ 3 Elective (variable)
_____	3	Elective (variable)	
Total:	16		Total: 13

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

Notes about major requirements:

- MTH Electives: Choose one of the following options based on semester availability: MTH 3312, 3323, 4314, or
- At least nine hours of the MTH electives or MTH Advanced electives must be at the 4000 level.

At least nine hours of the MTH electives or MTH Advanced electives must be at the "3000" level or above.

- Lab science (8 hours): One course and lab from: BIO 1305-1105, BIO 1306-1106, CHE 1301-1101, CHE 1302-1102, ENV 1301/1101, NSC 1306/1106, PHY 1420, 1430 or GEO 1406. Only one from: GEO 1401, GEO 1402, GEO 1403, GEO 1405, GEO 1408.
 - A grade of "C" or better must be earned in all 39 hours of math.
 - 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.
- *Because of the number of electives, there is enough room for a minor with this major.