

## Bachelor of Science in Applied Mathematics (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	_____ 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	<b>MTH 1321</b> (if eligible) Calculus I	_____ 3	<b>MTH 1322 Calculus II</b>
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)
_____ 3	<b>MTH Advanced Elective (3325 rec.)</b>	_____ 3	<b>MTH 2311 Linear Algebra</b>
_____ 3	<b>MTH 2321 Calculus III</b>	_____ 3	<b>STA 3381 Probability and Stats.</b>
Total: 15-16		Total: 15-16	
J u n i o r Y e a r			
Fall		Spring	
_____ 3	Elective	_____ 3	BIC 3358 Biblical Heritage/Ethics
_____ 4	CSI 1430 Intr. To Comp Sci. w/ Lab	_____ 4	CSI 1440 Intr. To Comp Sci II w/ Lab
_____ 3	Foreign Lang. 2310 (see below/reverse)	_____ 3	Foreign Lang. 2320 (see below/reverse)
_____ 3	<b>MTH 3300 Foundations of Mathematics</b>	_____ 3	Advanced Elective
_____ 3	<b>STA - Advanced</b> (see below)	_____ 3	<b>STA - Advanced</b> (see below)
Total: 16		Total: 16	
S e n i o r Y e a r			
Fall		Spring	
_____ 3	<b>MTH Advanced Elective</b>	_____ 3	<b>MTH Advanced Elective</b>
_____ 3	<b>MTH Elective</b>	_____ 3	<b>STA - Advanced</b> (see below)
_____ 1	Lifetime Fitness	_____ 1	Lifetime Fitness
_____ 3	Advanced Elective	_____ 3	Advanced Elective
_____ 3	Elective	_____ 3	Elective (variable)
_____ 3	Elective	_____ 3	Elective
Total: 16		Total: 16	

*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 4326.
- At least nine hours of the MTH electives or MTH Advanced electives must be at the 4000 level.
- Advanced Statistics options: STA 4382, 4385, 4386, 4387.
- 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.