

## Bachelor of Science in Applied Mathematics (Numerical Methods Options) (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)	_____
_____	2	BIC 1212 Examined Life I	_____
_____	3	BIC 1314 World Cultures I	_____
_____	4	BIC 1413 Rhetoric I	_____
_____	4	Lab Science (see below)	_____
_____	3	<b>MTH 1321</b> (if eligible) Calculus I	_____
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 2334 World Cultures III	_____
_____	3-4	Foreign Language 1401/1412 (see reverse)	_____
_____	4	CSI 1430 Intr to Comp Sci I w/lab	_____
_____	3	<b>MTH 2321 Calculus III</b>	_____
Total:	16-17		Total: 16-17
J u n i o r Y e a r			
Fall			Spring
_____	3	Elective	_____
_____	3	<b>MTH Advanced Elective</b> (3325 rec.)	_____
_____	3	Foreign Lang. 2310 (see below/reverse)	_____
_____	3	<b>MTH 3300 Foundations of Mathematics</b>	_____
_____	3	<b>MTH 3324 Numerical Methods</b>	_____
Total:	15		Total: 15
S e n i o r Y e a r			
Fall			Spring
_____	3	<b>STA 3381 Probability and Statistics</b>	_____
_____	3	<b>MTH Elective (see below)</b>	_____
_____	1	Lifetime Fitness	_____
_____	3	Advanced Elective	_____
_____	3	Elective	_____
_____	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 4326.

– 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.