

## Bachelor of Science in Mathematics (BIC)

*A Suggested Sequence of Required Courses (2014-2015 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
_____ 3-4 Foreign Language 1401/1412 (see reverse)	_____ 3-4 Foreign Language 1402/2310 (see reverse)
_____ 3 <b>MTH 1321</b> (if eligible) Calculus I	_____ 3 <b>MTH 1322 Calculus II</b>
Total: 15-16	Total: 16-17

### 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 Foreign Lang. 2310 (see below/reverse)	_____ 3 Foreign Lang. 2320 (see below/reverse)
_____ 4 CSI 1430 Intr. To Comp Sci. w/ Lab	_____ 3 <b>MTH 3325 or 4312 or 4322</b>
_____ 3 <b>MTH 2321 Calculus III</b>	_____ 3 <b>MTH 2311 Linear Algebra</b>
Total: 16	Total: 15

### J u n i o r Y e a r

Fall	Spring
_____ 4 Lab Science (see below)	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____ 3 <b>MTH 3300</b>	_____ 3 <b>MTH Advanced Elective</b>
_____ 3 <b>MTH 3312 or 4314</b>	_____ 3 <b>MTH 3323 or 4326</b>
_____ 3 Elective* (Variable depending on hours)	_____ 4 Lab Science (see below)
_____ 1 Lifetime Fitness	_____ 3 Elective* (Variable depending on hours)
Total: 15	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 Advanced Elective</b>	_____ 1 Lifetime Fitness
_____ 3 Advanced Elective	_____ 3 Advanced Elective
_____ 3 Elective* (Variable depending on hours)	_____ 3 <b>MTH Advanced Elective</b>
_____ 3 Elective* (Variable depending on hours)	_____ 3 Elective* (Variable depending on hours)
Total: 15	Total: 13

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

- Foreign language must be fulfilled with a modern language - see reverse, Option A only. German, French, or Russian are recommended for those who plan to attend graduate school because many graduate schools require proficiency in one of these languages.
- Lab science (8 hours): One course and lab from: BIO 1305-1105, BIO 1306-1106, CHE 1301-1101, CHE 1302-1102, GEO 1406. One course and lab from: GEO 1401, GEO 1402, GEO 1403, GEO 1405, GEO 1408, NSC 1306-1106, PHY 1420, PHY 1430.
- 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.

At least six hours of the major must be at the 4000 level.

\*Because of the number of electives, there is enough room for a minor or double major.

**Please see reverse side for important information on general requirements.**

## ***Bachelor of Science***

### **Notes about General Requirements:**

- Course selection is subject to availability within each semester.
- Please keep in mind that this is only a suggested sequence. Actual sequence will vary according to possible second major, minor, other program of study (including pre-health), and individual circumstances (ex., transfer credit, dual credit, and credit by exam).
- In order to complete your degree, you must fulfill all requirements in your major and general requirements for the Bachelor of Science.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see your undergraduate catalog.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

### **Foreign Language:**

- **Option A:** One modern language through 2320 level:  
Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Swahili
- **Option B:** One classical language through 2320 level or two classical through 1302 level:  
Latin, Greek, Hebrew (If available, Akkadian, Aramaic, Syriac, and/or Ugaritic may be used)  
\*Chemistry majors must take a modern foreign language; German or Russian are strongly recommended.

**Math & Science:** You must complete a minimum of 34 hours of math and science courses. See the undergraduate catalog for a more detailed explanation or refer to your audit for specific science/math courses that may be required by your major.

### **Biology/Chemistry Prerequisite Policies**

Biology- In order to register for BIO 1305 and 1306, students must have either a satisfactory math score on the ACT or SAT OR have completed MTH 1320 (Pre-Calculus) with a grade of B or better.

Chemistry- In order to register for CHE 1301, students must have either a satisfactory math score on the ACT or SAT or have a minimum grade of B in CHE 1300 AND a minimum grade of B in either MTH 1320 (Pre-Calculus) or MTH 1321 (Calculus)