

Bachelor of Arts in Mathematics (BIC)

A Suggested Sequence of Required Courses (2011-2012 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 |
| _____ 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 revers | _____ 3-4 Foreign Language 1402/2310 (see revers |
| _____ 3 MTH 1321 (if eligible) Calculus I | _____ 3 MTH 1322 Calculus II |
| 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 |
| _____ 4 BIC 2437 Natural World I | _____ 4 BIC 2447 Natural World II |
| _____ 3 Foreign Language 2310 (see below/revers | _____ 3 Foreign Language 2320 (see below/rever |
| _____ 3 MTH 2321 Calculus III | _____ 3 MTH 2311 Linear Algebra |
| Total: 16 | Total: 16 |

J u n i o r Y e a r

| Fall | Spring |
|--|--|
| _____ 3 MTH Advanced Elective | _____ 3 BIC 3358 Biblical Heritage/Ethics |
| _____ 3 MTH 3312 Foundations of Combinatorics | _____ 3 MTH 3323 Intro to Analysis |
| _____ 3 Elective (variable depending on hours) | _____ 4 CSI 1430 Intr. To Comp Sci. w/ Lab |
| _____ 1 Human Performance | _____ 1 Human Performance |
| _____ 3 Elective (variable depending on hours) | _____ 3 Elective (variable depending on hours) |
| _____ 3 Elective (variable depending on hours) | |
| Total: 16 | Total: 14 |

S e n i o r Y e a r

| Fall | Spring |
|--|--|
| _____ 3 BIC 4374 World Cultures V | _____ 3 BIC 4389 Capstone |
| _____ 3 MTH Advanced Elective | _____ 3 MTH Advanced Elective |
| _____ 3 MTH 4326 Adv. Calculus I | _____ 3 MTH Advanced Elective |
| _____ 3 Advanced Elective | _____ 3 Advanced Elective |
| _____ 3 Elective (variable depending on hours) | _____ 3 Advanced Elective |
| | _____ 3 Elective* (Variable depending hours) |
| Total: 15 | Total: 18 |

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

Notes about major requirements:

- 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.
- A grade of "C" or better must be earned in all 33 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.

Please see reverse side for important information on general requirements.

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 Arts.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see the 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)

Math:

- MTH 1301 (Ideas in Math) or MTH 1304* (Pre-cal) or MTH 1321 (Calculus) or STA 1380. *Math 1304 is intended only for students who intend to take 1321.

Lab Science (4 hours in addition to Natural World I and II) Choose one science/lab course from below

**Credit allowed for only one of these courses.*

| Area 1 | Area 2 | Area 3 |
|---|---|-------------------------------------|
| BIO 1305/1105 Modern Concepts of Bio | *CHE 1300/1100 Intro to Chemistry | ANT 1404 |
| BIO 1306/1106 Modern Concepts of Bio II | *CHE 1301/1101 Basic Prin of Mod Chem I | ENV 1301/1101 Exploring Env Issues |
| BIO 1401 General Biology | CHE 1302/1102/Basic Prin of Mod Chem II | ENV 1303/1103 Wildlife Ecology |
| BIO 1403 Exploring the Living World | *CHE 1405 Chemistry in Society | Or any other lab science including: |
| *GEO 1401 Earthquakes & Other Disasters | CHE 1341/1146 Intro to Organic Biochemistry | BIO, CHE, GEO, PHY, and FAS 1407 |
| GEO 1402 World Oceans | | |
| *GEO 1403 Environmental Geology | PHY 1404 Light, Vision, and Optics | |
| *GEO 1405 The Dynamic Earth | PHY 1405 General Physics for BA Students | |
| GEO 1406 Earth Through Time | PHY 1407 Sound and Acoustics | |
| GEO 1408 Earth Science | PHY 1408 Gen Physics-Natural & Behav Sci | |
| | PHY 1420 General Physics I | |
| NSC 1306/1106 Intro to Neuroscience | PHY 1455 Descriptive Astronomy | |