

Bachelor of Science in Applied Mathematics (Differential Equations Option)

A Suggested Sequence of Required Courses (2007-2008 Catalog)

F r e s h m a n Y e a r

Fall	Spring
_____ 0 Chapel (CHA 1088)	_____ 0 Chapel (CHA 1088)
_____ 3 ENG 1302 or FAS 1302	_____ 3 REL 1310
_____ 4 Lab Science (see below)	_____ 4 Lab Science (see below)
_____ 3-4 Foreign Lang. 1401/1412 (see below/reverse)	_____ 3-4 Foreign Lang. 1402/2310 (see below/reverse)
_____ 3 MTH 1321 (if eligible)	_____ 3 MTH 1322
Total: 13-14	Total: 13-14

S o p h o m o r e Y e a r

Fall	Spring
_____ 3 ENG 2301	_____ 3 ENG 2304/2306 or GTX
_____ 3 REL 1350	_____ 3 Foreign Language 2320 (see below/reverse)
_____ 3 Foreign Language 2310 (see below/reverse)	_____ 4 CSI 1440
_____ 4 CSI 1430	_____ 3 MTH 2311
_____ 3 MTH 2321	_____ 3 MTH 3325
Total: 16	Total: 16

J u n i o r Y e a r

Fall	Spring
_____ 3 ENG 3300 (see below)	_____ 3 History/Social Science (see reverse)
_____ 3 History/Social Science (see reverse)	_____ 1 Human Performance
_____ 3 PSC 2302	_____ 3 Advanced Elective*
_____ 1 Human Performance	_____ 3 Elective*
_____ 3 MTH 3312	_____ 3 MTH 3323
_____ 3 MTH 3326	_____ 3 STA 3381
Total: 16	Total: 16

S e n i o r Y e a r

Fall	Spring
_____ 3 MTH 4329	_____ 3 MTH Advanced Elective (4000-level)
_____ 3 MTH Advanced Elective (4000-level)	_____ 3 MTH Advanced Elective (3000-4000-level)
_____ 1 Human Performance	_____ 1 Human Performance
_____ 3 Advanced Elective*	_____ 3 Advanced Elective*
_____ 3 Elective*	_____ 3 Elective*
_____ 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:

- 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 1301-1316, CHE 1302-1316, GEO 1406. One course and lab from: GEO 1401, GEO 1402, GEO 1403, GEO 1405, GEO 1408, NSC 1306-1106, PHY 1420, PHY 1430.
- It is recommended that students take ENG 3300 their junior year rather than ENG 1304. Students may also take ENG 1118, 1128, and 1138 instead of ENG 1304.
- 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 pages 97-98 of 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 Science.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see undergraduate catalog pages 62-65.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

History/Social Science (choose 2 courses from the following areas - 6 hours):

- Anthropology, Economics, History, Honors, Philosophy, Political Science, Psychology, Sociology, Geog 1300, FAS 1303, 1304 or 1305, or 3 courses from FAS 1115, 1125, 1135.
- Check your major to determine if special courses are needed.

Foreign Language:

- **Option A:** One modern language through 2320 level:
Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Swahili, Thai
 - **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 page 65 of the undergraduate catalog for a more detailed explanation.

Fine Arts: None required for this degree.