The following is a sample course of study. It is the student's responsibility to ensure that all program requirements are met. This guide is not a substitute for academic advisement.

Your path to graduation may vary slightly based on factors such as college credit you earned while in high school, transfer work from other institutions of higher learning and placement in Mathematics. You are responsible for checking prerequisites to any courses.

<table>
<thead>
<tr>
<th>Course Subject and Title</th>
<th>Hrs.</th>
<th>Upper Division</th>
<th>Transfer Course</th>
<th>Minimum Grade if Required</th>
<th>Date Completed</th>
<th>Final Grade</th>
<th>Pre-requisites met</th>
<th>Additional Critical Tracking Notes</th>
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<tr>
<td><strong>Fall Semester Year 1</strong>: <em>13</em> hours</td>
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<tr>
<td>BIOLOGY 108/108L General Biology I &amp; Lab</td>
<td>3/1</td>
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<td>BIOLOGY 108 and 109 may be taken in any order.</td>
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<td>CHEM 211/211L General Chemistry I &amp; Lab</td>
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<td>May use summer semester to lighten fall and spring course loads.</td>
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<td>BIOLOGY 202 Cell Biology</td>
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<td>Math Entrance Exam Is required to enroll in MATH 210, 216 or STAT 235.</td>
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<td>PHYSICS 210 General Physics I</td>
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<td>MATH 210 Calculus I, MATH 216 Biomath I, or STAT 235 Elementary Statistics</td>
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<td>BIOLOGY 206 Genetics</td>
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<td>Take and pass WEPT.</td>
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<td>May use summer semester to lighten fall and spring course loads.</td>
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<td>Apply for Graduation. Take EPP.</td>
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<td><strong>Summer Semester Year 3</strong>:</td>
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<td>May use summer semester to lighten fall and spring course loads.</td>
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<td><strong>Fall Semester Year 4</strong>: <em>15</em> hours</td>
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<tr>
<td>GER (ex. Social &amp; Behavioral Science)</td>
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<td><strong>Spring Semester Year 4</strong>: <em>15</em> hours</td>
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<td>Take Biology Major Field Exam.</td>
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<td>Biology Synthesis</td>
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Major Map: Biology BA  
Catalog year: 2012-2013  
http://sbs.umkc.edu/

Non-course requirements
- Written English Proficiency Test (WEPT)  
- Major Field Exam (MFE)  
- ETS Proficiency Profile (EPP)

The School reserves the right to make changes in courses, degree requirements and course schedules without notice.

Students are expected to maintain a quality of achievement significantly above minimum UMKC standards for degree work. Individual student progress will be monitored throughout the program. Satisfactory progress is required of all students for retention in the program. Students are expected to maintain academic standards, perform satisfactorily in courses, refrain from academic dishonesty, comply with the established University timetables and requirements, and refrain from unethical or unprofessional behavior or behaviors that obstruct the training process or threaten the welfare of the student or others. Other circumstances involving student behavior will be addressed by the faculty on an individual basis.

**Graduation Requirements Summary:**

<table>
<thead>
<tr>
<th>Total Hours: 120 minimum, 36 of which are Upper Level (300-400 level)</th>
<th>Totals Hrs at UMKC: 30 hours minimum</th>
<th>Math and Science hours: 60 minimum</th>
<th>UMKC GPA: 2.0 minimum</th>
</tr>
</thead>
</table>

All students completing a Bachelor of Arts in the School of Biological Sciences must successfully complete the following requirements to be recommended for graduation: [http://www.umkc.edu/catalog/School_of_Biological_Sciences_General_Education_Requirements.html](http://www.umkc.edu/catalog/School_of_Biological_Sciences_General_Education_Requirements.html)

A. Communicating (9 credit hours)
   - Writing and Critical Analysis (English 110 and 225)
   - Oral Argumentation/Speech (Communication Studies 110 or 140)

B. Higher Order Thinking, Managing Information, and Valuing (6 credit hours)
   - Students must successfully complete 6 hours from at least two different fields, chosen from the following list:
     i. PHILOS 210 or PHILOS 222, HISTORY 201, HISTORY 202, HISTORY 206 or HISTORY 208, ANTHRO 103, SOCIOL 101, or SOCIOL 103, COMP-SCI 100 or above, MATH 210, 216, or STAT 235

C. Social and Behavioral Sciences (9 credit hours)
   - Constitution course chosen from: History 101, 102, 360R, or Political Sciences 210
   - Six additional credit hours from at least one field other than above, chosen from economics, history, political science, psychology, sociology, social science, geography, criminal justice

D. Humanities and Fine Arts (6 credit hours)
   - One 3 credit hour course chosen from English, communication studies, foreign Language, or philosophy.
   - One 3 credit hour course chosen from art/arts history, conservatory or theater.

E. Mathematics (3 credit hours)
   - Students majoring in Biology will fulfill this requirement with the biology major’s mathematics requirement of MATH 210 Calculus I, MATH 216 Biomathematics I, or STAT 235, Elementary Statistics.

F. Life and Physical Sciences (9 credit hours)
   - Students majoring in biology will fulfill this requirement as a part of their major.

G. Total Credit Hours
   - In addition to the specific area requirements listed above, students must meet other University graduation requirements including, but not limited to, 120 total credit hours, 60 credit hours from a four-year institution if coursework is transferred from a non-Missouri institution, unless described otherwise in a specific articulation agreement with the School of Biological Sciences; 36 junior/senior level credit hours, taking the EPP Exam and the Major Field Exam, residency requirements, minimum GPA standards, and other requirements that may be specified.

In addition to meeting the general education degree requirements outlined above, students pursuing the B.A. degree in biology must meet the following requirements: [http://www.umkc.edu/catalog/Bachelor_of_Arts_in_Biology.html](http://www.umkc.edu/catalog/Bachelor_of_Arts_in_Biology.html)

1. Biology Course Requirements:
   - The following core courses (17 credit hours): Biology 108, 108L, 109, 109L, 202, 206, and LS BIOC 341
   - One of the following biology laboratory courses (minimum 2 credit hours): Biology 302L, 312WL, 328L/WL, LS ANAT 118L, LS BIOC 360L/WL, or LS MCRB 313L/WL
   - Biology Synthesis requirement (Choose a total of 3 credit hours): Biology 498WL, LS 490WL, 497, or 499
   - Students must complete additional biology majors coursework to total at least 38 credit hours of biology courses with grades of C- or better. At least 24 of these must be at the 300- or 400-level. One of these courses must be writing intensive. A minimum of 21 credit hours of biology courses must be taken from the School of Biological Sciences. The UM Biology GPA must be at least 2.0.

2. Additional Sciences and Mathematics Course Requirements
   - The following courses must be completed with grades of C- or better: MATH 210, 216 or STAT 235, Physics 210, Chemistry 211, 211L, 212R, 212LR, 320, and 320L