This transfer guide is intended to help you prepare for your transfer from Mineral Area College to the Bachelor of Arts in Biology degree at MU. This plan is not a substitute for academic advising. Before following this guide, we encourage you to contact an MU academic advisor for further information about degree requirements, course selection, and graduation requirements.

**Contact Information**

Division of Biological Sciences  
(573) 882-4068  
martinc@missouri.edu

**Other Resources**

Check the following web sites for current course descriptions, prerequisites, course equivalencies and other specific details about the degree:

1) College Catalog ([http://majors.missouri.edu](http://majors.missouri.edu))  
2) Transfer Admission ([http://transfer.missouri.edu](http://transfer.missouri.edu))  
3) Transfer Equivalencies ([https://www.transferology.com/school/missouri or [http://transfercourses.missouri.edu](http://transfercourses.missouri.edu]])  
4) Biological Sciences ([http://biology.missouri.edu/undergrad/](http://biology.missouri.edu/undergrad/))

**Transfer Admission Requirements**

- Transfer students who meet MU's freshman admission requirements must have a 2.5 transfer GPA in college-level courses to be admitted.
- Transfer students who do not meet MU's freshman admission requirements must have:
  - A minimum of 24 transferable college-level credits;
  - A 2.5 GPA in transferable college-level courses; and
  - Either College Algebra with a C- or better or the equivalent to MU's English 1000 with a C- or better.
- Transfer students with an associate of arts (AA) degree from a regionally accredited Missouri community college are considered to have met the general transfer admission requirements.

**Additional Information**

You will need to complete a total of 120 hours in order to graduate. It will take roughly 90 to 110 credit hours to fulfill the requirements specific to the degrees offered in Biological Sciences. You may use elective courses to bring your total credit hours to 120.

At least 30 of the hours must be in courses at the 3000-level or higher. (Biology 2200 and 2300 and Chemistry 2030 may be used to meet the 3000-level requirement.) At least 12 hours at 2000-level or higher approved biology coursework must be taken at MU.
<table>
<thead>
<tr>
<th>University of Missouri</th>
<th>Mineral Area College</th>
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</thead>
<tbody>
<tr>
<td><strong>COURSE</strong></td>
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</tr>
<tr>
<td>College Algebra (3)</td>
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<tr>
<td>MATH 1100 College Algebra</td>
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<tr>
<td><strong>Mathematical Sciences (3-5)</strong></td>
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<td>Select one course:</td>
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<tr>
<td>MATH 1400 Calculus for Social/Natural Sciences I</td>
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<tr>
<td>MATH 1500 Analytic Geometry and Calculus I</td>
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<tr>
<td>STAT 1400 Elem Stat for Life Sciences or STAT 1200 Introductory Statistical Reasoning or STAT 1300 Elementary Statistics</td>
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<tr>
<td>INFOTC 1040 Intro to Problem Solving &amp; Programming</td>
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<tr>
<td><strong>Chemistry (11 credits)</strong></td>
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<tr>
<td>CHEM 1320 College Chemistry I</td>
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<tr>
<td>CHEM 1330 College Chemistry II</td>
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<tr>
<td>CHEM 2030 Survey of Organic Chemistry</td>
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<tr>
<td><strong>Physical Sciences (4-5 credits)</strong></td>
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<td>Select one course:</td>
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<tr>
<td>PHYS 1210 College Physics I and Lab</td>
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<tr>
<td>PHYS 2750 University Physics I and Lab</td>
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<td>GEOL 1100 Principles of Geology</td>
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<td>GEOL 1200 Environmental Geology</td>
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<td>ASTRON 1010 Astronomy</td>
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<tr>
<td><strong>English Exposition and Argumentation (3 credits)</strong></td>
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<td>ENGLSH 1000 Exposition and Argumentation</td>
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<tr>
<td><strong>Behavioral Sciences (5 credits)</strong></td>
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<td>Behavioral Science 1</td>
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<td>Behavioral Science 2</td>
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<td><strong>Social Sciences (9 credits) Courses from at least two different departments.</strong></td>
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<tr>
<td>State Requirement in Government or History</td>
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<tr>
<td>Social Science 2</td>
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<tr>
<td>Social Science 3</td>
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<tr>
<td><strong>Humanities/Fine Arts (12 credits) Courses from at least three different areas.</strong></td>
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<td>Humanity 1</td>
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<td>Humanity 2</td>
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<td>Humanity 3</td>
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<td>Humanity 4</td>
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<tr>
<td><strong>Foreign Language (12-13 credits) Must be in the same language. Requirement is waived if level 4 of single foreign language was completed in high school.</strong></td>
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<td>Language 1</td>
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<td>Language 2</td>
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<td>Language 3</td>
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<tr>
<td><strong>Upper Level General Education (9 credits) At least 9 credits of behavioral science, social science, or humanities must be at the 2000-level or above.</strong></td>
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<td>Upper Level 1</td>
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<td>Upper Level 2</td>
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<td>Upper Level 3</td>
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<tr>
<td><strong>Writing Intensive (2 courses) Must be completed with a C- or better.</strong></td>
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<tr>
<td>Writing Intensive course from anywhere in the curriculum</td>
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<tr>
<td>Writing Intensive course numbered 3000 or above in biology</td>
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<tr>
<td>University of Missouri</td>
<td>Mineral Area College</td>
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<tr>
<td><strong>COURSE</strong></td>
<td><strong>CREDITS</strong></td>
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<tr>
<td><strong>Biological Sciences (29 credits)</strong> At least 16 credits in Biology must be completed at the 3000-level or higher</td>
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<td>BIO SC 1500 Introduction to Biological Systems</td>
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<td>BIO SC 2200 General Genetics</td>
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<tr>
<td>BIO SC 2300 Cell Biology</td>
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<td>Evolutionary Biology <em>(select one course)</em></td>
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<td>BIO SC 3400 Evolution and Ecology</td>
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<td>BIO SC 4600 Evolution</td>
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<td><strong>Biological Diversity (select one course)</strong></td>
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<tr>
<td>BIO SC 2600 Ornithology</td>
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<td>BIO SC 2700 Ichthyology</td>
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<td>MICROB 3200 - Medical Microbiology and Immunology</td>
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<td>BIO SC 3210 Plant Systematics</td>
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<td>BIO SC 3260 Invertebrate Zoology</td>
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<tr>
<td>BIO SC 3510 Biology of Fungi</td>
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<tr>
<td>BIO SC 3660 Mammalogy</td>
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<tr>
<td>BIO SC 3710 &amp; 3715 Intro Entomology/Insect Diversity</td>
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<td>BIO SC 3750 General Microbiology</td>
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<td><strong>Capstone (select one course)</strong></td>
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<td>BIO SC 4950/4952 Undergraduate Research in Biology</td>
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<td>BIO SC 4976 Molecular Biology</td>
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<td>BIO SC 4978 Cancer Biology</td>
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<td>BIO SC 4982 Human Inherited Diseases</td>
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<td>BIO SC 4983 Molecular Ecology</td>
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<td>BIO SC 4986 Neurology of Motor Systems</td>
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<td>BIO SC 4988 Nerve Cells and Behavior</td>
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<td>BIO SC 4990 Vertebrate Histology &amp; Microscopic Anat</td>
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<td>BIO SC 4994 Senior Seminar</td>
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<td><strong>Biology Electives</strong></td>
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<td>Bio Elective Credit (Physiology)</td>
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<tr>
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<td>Other Bio Elective Credit</td>
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**Electives**
Choose electives to reach the total of 120 credits required for graduation.

<p>| <strong>Total Hours for BA in Biological Sciences</strong> | 120 |</p>
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<tr>
<th>Mineral Area College Course</th>
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<td>ART 1400 History of Western Art (2)</td>
<td>MFL 1170 Elem French (3)</td>
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<td>ENG 1670 Interpers Comm I (3)</td>
<td>COMMUN 3561</td>
<td>ART 1490 History of Art I (3)</td>
<td>MFL 1270 Intermed French (3)</td>
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<tr>
<td>PSY 1130 Gen Psychology I (3)</td>
<td>PSYCH 1000</td>
<td>ART 1500 History of Art II (3)</td>
<td>MFL 1370 Elem Spanish (3)</td>
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<td>PSY 1140 Gen Psychology II (3)</td>
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<td>ART 1510 History of Art III (3)</td>
<td>MFL 1470 Intermed Spanish (3)</td>
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<td>PSY 1160 Applied Psych (3)</td>
<td>PSYCH 1020</td>
<td>ART 1530 Intro to Humanities (2)</td>
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<td>PSY 1250 Hum Growth &amp; Devel (3)</td>
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<td>PSY 2000 Abnormal Psych (3)</td>
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<td>ENG 1440 Public Speaking (3)</td>
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<td>BUS 2930 Prin of Macroeconomics (3)</td>
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