

# State Fair Community College — Missouri S&T

## Biological Sciences BA Transfer Guide Effective as of Fall 2025

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

### State Fair Community College

### Missouri S&T

#### Communication Skills

Take all courses.

| Part III: Electives |   |    |                           |   |    |
|---------------------|---|----|---------------------------|---|----|
| ENGL 101            | English Composition I   | 3  | ENGLISH 1120              | Exposition and Argumentation  | 3  |
| ENGL 102 or COM 101 | English Composition II or Public Speaking   | 3  | ENGLISH 1160 or SPMS 1185 | Writing and Research or Principles of Speech<br><small>Applies to degree as Gen Ed Communication requirement.</small> | 3  |
| Foreign Language    | Foreign Language<br><small>3 semesters of same language OR 2 semesters of each of two different languages</small> | 12 | Foreign Language          | Foreign Language<br><small>3 semesters of same language OR 2 semesters of each of two different languages</small>     | 12 |
| Total Hours         |   | 18 | Total Hours               |   | 18 |

#### Major Requirements

Take all courses.

| Take an courses.      |  |    |   |  |    |
|-----------------------|--|----|---|--|----|
| BIO 112 or<br>BIO 125 | Principles of Biology with Lab or<br>General Biology | 4  | BIO SCI 1113, 1219 or<br>BIO SCI 1213, 1219 | General Biology and Lab or<br>Principles of Biology and Lab  | 4  |
| CHEM 123              | General Chemistry I with Lab                         | 4  | CHEM 1310, 1319                             | General Chemistry I and Lab  | 5  |
| CHEM 124              | General Chemistry II with Lab                        | 5  | CHEM 1320, 1510*                            | General Chemistry II (3) and Qualitative Analysis (2)<br>*CHEM 1510 is not a degree requirement, transfers as general elective credit. | 3  |
| Total Hours           |  | 13 | Total Hours                                 |  | 12 |

#### Math and Physical Sciences

Select 9 hours to include college algebra or higher math.

|                         |  |             |                                |  |   |             |   |
|-------------------------|--|-------------|--------------------------------|--|---|-------------|---|
| MATH 114                | Precalculus Algebra or higher math   | 3           | MATH 1140                      | College Algebra or higher math                                       | 3 |             |   |
| EASC 120                | Intro to Astronomy   | 3           | PHYSICS 1505                   | Introductory Astronomy or other physics                              | 3 |             |   |
| EASC 106 or<br>EASC 118 | Intro to Geology with Lab (4) MOTR GEOL 100L OR<br>Environmental Geology (3) MOTR GEOL 100 | 3           | GEO ENG 1150<br>(GEOLOGY 1110) | Physical and Environmental Geology MOTR GEOL 100<br>or other geology | 3 |             |   |
| Physics or Geology      | Other physics or geology.  | 3           | Physics or Geology             | Other physics or geology.  | 3 |             |   |
| Mathematics             | Other mathematics higher than college algebra.   | 3           | Mathematics                    | Other mathematics higher than college algebra.                       | 3 |             |   |
|                         |  | Total Hours | 9                              |  |   | Total Hours | 9 |

#### Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

|                                      |   |   |  |   |   |   |
|--------------------------------------|---|---|--|---|---|---|
| ART 101 or<br>MUS 101 or<br>THEA 107 | Art Appreciation or<br>Music Appreciation or<br>Intro to Theatre    | 3 | ART 1180 or<br>MUSIC 1150 or<br>THEATRE 1190       | Art Appreciation or<br>Music Understanding and Appreciation or<br>Theatre via Video                           | 3 |   |
| LIT 109 or<br>LIT 107 or<br>LIT 112  | British Literature or<br>American Literature or<br>World Literature | 3 | ENGLISH 1211 or<br>ENGLISH 1221 or<br>ENGLISH 1231 | British Literature I: The Beginnings to 1800 or<br>American Literature: 1600 to 1865 or<br>World Literature I | 3 |   |
| PHIL 101                             | Introduction to Philosophy  | 3 | PHILOS 1105  | Self and World: Intro to Philosophy   | 3 |   |
| Total Hours                          |   |   | 9  | Total Hours   |   | 9 |

#### Social Sciences

Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology.

|                         |   |             |                           |   |   |             |   |
|-------------------------|---|-------------|---------------------------|---|---|-------------|---|
| ECON 102 or<br>ECON 101 | Principles of Microeconomics or<br>Principles of Macroeconomics | 3           | ECON 1100 or<br>ECON 1200 | Principles of Microeconomics or<br>Principles of Macroeconomics | 3 |             |   |
| POLS 101                | American/National Government                                    | 3           | POL SCI 1200              | American Government   | 3 |             |   |
| PSY 101                 | General Psychology  | 3           | PSYCH 1101                | General Psychology  | 3 |             |   |
|                         |   | Total Hours | 9                         |   |   | Total Hours | 9 |

#### Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

|                            |   |   |                  |  |     |
|----------------------------|---|---|------------------|--|-----|
| MATH 119 or<br>MATH 127 or | Statistical Reasoning or<br>Business Statistics | 3 | STAT 1115*       | Statistics for the Social Sciences I*<br><small>Satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course.<br/>*Will be substituted for STAT 3111.</small> | 3-4 |
| BIO 210                    | Principles of Genetics with Lab                 | 4 | BIO SCI 2223     | General Genetics   | 3   |
| CHEM 221                   | Organic Chemistry I with Lab                    | 5 | CHEM 2210, 2219* | Organic Chemistry I (3) and Lab* (1)<br><small>*The lab is not a degree requirement, transfers as general elective credit.</small>   | 4   |
| CHEM 222                   | Organic Chemistry II with Lab                   | 5 | CHEM 2220, 2229* | Organic Chemistry II (3) and Lab* (1)<br><small>*The lab is not a degree requirement, transfers as general elective credit.</small>  | 4   |
| HIST 108                   | World Civilization Before 1500                  | 3 | HISTORY 1100     | Early Western Civilization   | 3   |
| HIST 109                   | World Civilization After 1500                   | 3 | HISTORY 1200     | Modern Western Civilization  | 3   |

#### Maximum credit hours to be transferred to Missouri S&T degree requirements.

60

Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.  
Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.  
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This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025.  
Further information or updates are available from Missouri S&T Transfer Admissions at [transfer@mst.edu](mailto:transfer@mst.edu), [transfer@mst.edu](mailto:transfer@mst.edu), or 800-522-0938.