

Metropolitan Community College — Missouri S&T

Biological Sciences BA Transfer Guide

Effective as of Fall 2023

Metropolitan Community College

Missouri S&T

Communication Skills (Take all courses)

| | | | | | |
|-------------|--|----|--------------|--|----|
| ENGL 101 | Composition and Reading I | 3 | ENGLISH 1120 | Exposition and Argumentation | 3 |
| ENGL 102 | Composition and Reading II | 3 | ENGLISH 1160 | Writing and Research (or other composition course) | 3 |
| COMM 100 | Fundamentals of Speech (if required for AA degree) | 3 | SPMS 1185 | Principles of Speech (Not required for S&T degree. Transfers as a free elective) | 3 |
| | Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages) | 12 | | Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages) | 12 |
| Total Hours | | | 21 | Total Hours | 21 |

Math and Sciences (Take all courses)

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|--|---|---|---|--|---|
| MATH 120 | College Algebra (or higher level math) | 3 | MATH 1140 | College Algebra (or higher level math) | 3 |
| BIOI 123 or BIOL 101 | General Biology for Majors I (4) or General Biology (5) | 4 | BIO SCI 1213,1219 or BIO SCI 1113, 1219 | Principles of Biology and Lab or General Biology and Lab | 3 |
| BIOL 124 | General Biology for Majors II | 4 | BIO SCI 1223, 1229 | Biodiversity and Lab | 4 |
| CHEM 111 | General College Chemistry I | 5 | CHEM 1310, 1319 | General Chemistry I and Lab | 5 |
| CHEM 112 | General College Chemistry II | 5 | CHEM 1320 | General Chemistry II | 3 |
| MATH 115 or ENGR 215 or CSIS 123 or CSIS 223 or ENGR 204 | Statistics or Engineering Statistics and Computation or Programming Fundamentals or Object-Oriented Programming with C++ or Programming for Engineers and Scientists (Or other statistics or computer class. Statistics preferred; computer class is acceptable.) | 3 | STAT 1115 or STAT 3115 or CS 1971, 1981 or CS 1972, 1982 | Statistics for Social Sciences I (3) or Engineering Statistics (3) or Intro to Programming Method and Lab or Intro to MATLAB Programming and Lab (Or other statistics or computer class. Statistics preferred; computer class is acceptable.) | 3 |
| Total Hours 24 | | | Total Hours 22 | | |

Humanities (Select 9 hours)

Must include one class of each in literature, philosophy, and fine arts.

| | | | | | |
|-------------|--|---|-----------------|---|---|
| ART 108 or | Survey of Art or | 3 | ART 1180 or | Art Appreciation or | 3 |
| MUSI 108 or | Music Appreciation or | | MUSIC 1150 or | Music Understanding and Appreciation or | |
| SPDR 106 | Theatre Appreciation (or other fine art) | | THEATRE 1190 | Theatre via Video (or other fine art) | |
| ENGL 220 or | British Literature to 1750 or | 3 | ENGLISH 1211 or | British Literature I: The Beginnings to 1800 or | 3 |
| ENGL 222 or | American Literature I or | | ENGLISH 1221 or | American Literature: 1600 to 1865 or | |
| ENGL 254 or | World Literature I or | | ENGLISH 1231 or | World Literature I or | |
| ENGL 260 or | African-American Literature or | | ENGLISH 2245 or | African American Literature or | |
| ENGL 268 | Women's Literature (or other literature elective) | | ENGLISH 2242 or | Literature by Women (or other literature elective) | |
| PHIL 100 | Introduction to Philosophy | 3 | PHILOS 1105 | Intro to Philosophy (or other philosophy elective) | 3 |
| Total Hours | | 9 | Total Hours | | 9 |

Social Sciences (Select 6 hours)

Must include classes in two of the following three areas: economics, political science, and psychology.

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|-------------------------|-------------------------------------|-------------|---------------------------|--|---|
| ECON 211 or ECON 210 | Microeconomics or Macroeconomics | 3 | ECON 1100 or ECON 1200 | Principles of Microeconomics or Principles of Macroeconomics (or other economics) | 3 |
| POLS 136 | Introduction to American Politics | 3 | POL SCI 1200 | American Government (or other political science) | 3 |
| PSYC 140 | General Psychology | 3 | PSYCH 1101 | General Psychology (or other psychology) | 3 |
| | | Total Hours | 6 | | |
| | | | | Total Hours | 6 |

Additional Degree Requirements

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

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|----------|-------------------------------------|---|--------------|-----------------------------|---|
| BIOL 204 | Genetics | 3 | BIO SCI 2223 | General Genetics | 3 |
| BIOL 202 | Ecology | 5 | BIO SCI 2263 | Ecology | 3 |
| CHEM 221 | Organic Chemistry I | 5 | CHEM 2210 | Organic Chemistry I | 4 |
| CHEM 222 | Organic Chemistry II | 5 | CHEM 2220 | Organic Chemistry II | 4 |
| HIST 133 | Foundations of Western Civilization | 3 | HISTORY 1100 | Early Western Civilization | 3 |
| HIST 134 | Western Civilization II | 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.
Students are not required to complete all courses on this guide before transferring to Missouri S&T.