

# Metropolitan Community Colleges — 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.

### Metropolitan Community Colleges

### Missouri S&T

#### Communication Skills

Take all courses.

ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 215 or COMM 100	Composition and Reading II or Technical Writing or Fundamentals of Speech	3	ENGLISH 1160 or ENGLISH 3560 or SPMS 1185	Writing and Research or Technical Writing or Principles of Speech <small>Applies to degree as Gen Ed Communication requirement.</small>	3
Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12	Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12
<b>Total Hours</b>			<b>Total Hours</b>		
18			18		

#### Major Requirements

Take all courses.

BIOL 123 or BIOL 101 BIOL 124	General Biology for Majors I (4) or General Biology (5) General Biology for Majors II	4 4 4	BIO SCI 1113, 1219 or BIO SCI 1213, 1219 BIO SCI 1223, 1229	General Biology and Lab or Principles of Biology and Lab Biodiversity and Lab	4 4 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, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not a degree requirement, transfers as general elective credit.</small>	3
<b>Total Hours</b>			<b>Total Hours</b>		
18			16		

#### Math and Physical Sciences

Select 9 hours to include college algebra or higher math.

MATH 120	College Algebra or higher math	3	MATH 1140	College Algebra or higher math	3
PHYS 106 or PHYS 130	General Astronomy (4) or General Physics I (5)	4	PHYSICS 1505 or PHYSICS 1145	Introductory Astronomy (3) or College Physics (4) or other physics	3-4
GEOL 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology 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
<b>Total Hours</b>			<b>Total Hours</b>		
9			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 108 or MUSI 108 or SPDR 106	Survey of Art or Music Appreciation or Theater Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ENGL 220 or ENGL 221 or ENGL 222 or ENGL 223 or ENGL 254	British Literature to 1750 or British Literature 1750 to Present or American Literature I or American Literature II or World Literature I	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance	3
PHIL 100 or PHIL 103 or PHIL 200	Intro to Philosophy or Intro to Critical Thinking or Logic	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
<b>Total Hours</b>			<b>Total Hours</b>		
9			9		

#### Social Sciences

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

ECON 211 or ECON 210	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
POLS 136	Intro to U.S. National Politics	3	POL SCI 1200	American Government	3
PSYC 140	General Psychology	3	PSYCH 1101	General Psychology	3
<b>Total Hours</b>			<b>Total Hours</b>		
9			9		

#### Additional Degree Requirements

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

MATH 115 or ENGR 215 or CSIS 123 or CSIS 223	Statistics or Engineering Statistics and Computation or Programming Fundamentals or Object-Oriented Programming with C++	3	STAT 1115* or STAT 3115* or COMP SCI 1971, 1981	Statistics for the Social Sciences I* (3) or Engineering Statistics* (3) or Intro to Programming Method and Lab (3) <small>Satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course. *Will be substituted for STAT 3111.</small>	3-4
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, 2219*	Organic Chemistry I (3) and Lab* (1) <small>*The lab is not a degree requirement, transfers as general elective credit.</small>	4
CHEM 222	Organic Chemistry II	5	CHEM 2220, 2229*	Organic Chemistry II (3) and Lab* (1) <small>*The lab is not a degree requirement, transfers as general elective credit.</small>	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.  
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