

Metropolitan Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2026

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

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 or ENGL 215	Composition and Reading II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3		
COMM 100	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3		
		Total Hours	9			Total Hours	9

Social Sciences

Take all courses.

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		
		Total Hours	6			Total Hours	6

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 Appreciation or Theatre via Video	3		
PHIL 100 or PHIL 200	Introduction to Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3		
ENGL 220 or ENGL 222 or ENGL 254 or ENGL 260 or ENGL 268	British Literature to 1750 or American Literature I or World Literature I or African-American Literature or Women's Literature or other literature with prerequisite of no more than English Composition I.	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature or any literature with prerequisite of no more than ENGLISH 1120.	3		
		Total Hours	9			Total Hours	9

Mathematics and Sciences

Take all courses.

MATH 119 or MATH 120 or MATH 115	Mathematical Reasoning and Modeling or College Algebra or Statistics or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences or higher math or statistics	3		
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) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	3		
BIOL 101 or BIOL 123	General Biology (5) or General Biology for Majors * (4)	4	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology and Lab or Principles of Biology and Lab	4		
		Total Hours	17			Total Hours	15

Additional Degree Requirements

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

PHYS 130 or PHYS 106	General Physics I (5) or General Astronomy (4)	4-5	PHYSICS 1145 or PHYSICS 1505	College Physics I (4) or Astronomy (3) Satisfies a 3-hour science requirement. Any additional credits apply to degree totals as general elective credit.	3
GEOL 101	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
BIOL 124	General Biology for Majors II	4	BIO SCI 1223, 1229	Biodiversity and Lab	5
BIOL 102	Environmental Science	5	BIO SCI 1173	Intro to Environmental Sciences	3
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	3
CHEM 222	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	3
HIST 133	Foundations of Western Civilization	3	HISTORY 1100	Early Western Civilization	3
HIST 134	Modern Western Civilization	3	HISTORY 1200	Modern Western Civilization	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 & Scientists Or other statistics or computer class. Statistics preferred; computer class is acceptable.	3	STAT 1115 or STAT 3115* or CS 1500 or CS 1971, 1981 or CS 1972, 1982	Statistics for Social Sciences I or Engineering Statistics* or Computational Problem Solving 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. Satisfies a 3-hour computer science/statistics requirement. Any additional credit hours apply to degree totals as general elective credit. *STAT 3115 will be substituted for this requirement.	3

Teacher Certification Requirements

Take all courses.

Area of Study					
EDUC 100	Introduction to Education	2	EDUC 1074	Education in a Diverse Society	3
EDUC 201	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDUC 270	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSYC 241	Human Development	4	PSYCH 3310	Developmental Psychology	3
EDUC 285	Education of Exceptional Learners	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours	15		
				Total Hours	13

Professional Requirements for Teacher Education Program:

Please view all program requirements at <https://teachereducation.mst.edu/secondaryeducation/>.

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

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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 2026.

Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.