

State Fair 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.

State Fair Community College

Missouri S&T

Communication Skills

Take all courses.

ENGL 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 112	English Composition II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COM 101	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			9

Social Sciences

Take all courses.

POLS 101	American/National Government	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
		Total Hours			Total Hours
		6			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 101 or MUS 101 or THEA 107	Art Appreciation or Music Appreciation or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
LIT 112 or LIT 107 or LIT 109	World Literature or American Literature or British Literature or any literature with prerequisite of no more than English Composition I..	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or any literature with prerequisite of no more than ENGLISH 1120.	3
		Total Hours			Total Hours
		9			9

Mathematics and Sciences

Take all courses.

MATH 113 or MATH 114 or MATH 119 or MATH 127	Mathematical Reasoning and Modeling or Precalculus Algebra or Statistical Reasoning or Business 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 123	General Chemistry I with Lab	5	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) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	3
BIO 112 or BIO 125	Principles of Biology with Lab or General Biology (4) MOTR BIOL 150L	5	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology and Lab or Principles of Biology and Lab MOTR BIOL 150L	4
		Total Hours			Total Hours
		18			15

Additional Degree Requirements

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

PHYS 105 or EASC 120	College Physics I with Lab or Intro to Astronomy	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
EASC 106	Intro to Geology with Lab	4	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 210	Principles of Genetics with Lab	4	BIO SCI 2223	General Genetics	3
CHEM 221	Organic Chemistry I with Lab	5	CHEM 2210	Organic Chemistry I	3
CHEM 222	Organic Chemistry II with Lab	5	CHEM 2220	Organic Chemistry II	3
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
MATH 119 or MATH 127 or CIS 155 or	Statistical Reasoning or Business Statistics or Programming in C#	3	STAT 1115 or COMP SCI 1500	Statistics for Social Sciences I or Computational Problem Solving 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.	3

Teacher Certification Requirements

Take all courses.

EDUC 209	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	3
EDUC 205	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDUC 220	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 210	Lifespan Development	3	PSYCH 3310	Developmental Psychology	3
EDUC 228	Education of Exceptional Learners Pre K-12	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours			Total Hours
		15			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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