State Fair Community College — Missouri S&T
Biological Sciences BA with Secondary Education Teacher Certification
Transfer Guide Effective as of Fall 2025

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	9		Total Hours	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	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 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 or other fine art	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 other literature		3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	World Literature I or American Literature Elective or British Literature Elective or other literature	3
		Total Hours	9		Total Hours	9

Mathematics and Sciences
Take all courses.

MATH 112	Intermediate Algebra or higher math		3	MATH 1103	Fundamentals of Algebra or higher math	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	18		Total Hours	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 118	Environmental Geology		3	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 120 or CIS 155 or	Statistical Reasoning or Business Statistics or Programming in Python or Programming in C#		3	STAT 1115 or CS 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	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.   68

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.