

State Fair Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2020

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 (Take all courses)

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	Introduction to Philosophy	3
LIT 112 or LIT 107 or LIT 109	World Literature or American Literature or British Literature (or other literature elective)	3	ENGLISH 1231	World Literature I or American Literature Elective or British Literature Elective (or other literature elective)	3
Total Hours					9
Total Hours					9

Mathematics and Sciences (Take all courses)

MATH 102 or MATH 114	Precalculus Algebra or Intermediate Algebra (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher level 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)* <small>*Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.</small>	3
BIO 125	Biology I with Lab	5	BIO SCI 1213, 1219	Principles of Biology and Lab	5
Total Hours					18
Total Hours					16

Additional Degree Requirements (Select up to 20 hours)

PHYS 105 or EASC 120	College Physics I with Lab or Intro to Astronomy	5	PHYSICS 1145, 1119* or PHYSICS 1505	College Physics I (3) and Lab* (1) or Astronomy <small>*Note: PHYSICS 1119 is not an S&T degree requirement; course will transfer as elective credit.</small>	3
EASC 118	Environmental Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 126	Biology II with Lab	5	BIO SCI 1223, 1229	Biodiversity and Lab	5
	Principles of Genetics with Lab	4	BIO SCI 2223	General Genetics	3
CHEM 221	Organic Chemistry I with Lab	5	CHEM 2210, 2219*	Organic Chemistry I (4) and Lab (1)* <small>*Note: CHEM 2219 is not an S&T degree requirement, course will transfer as elective credit.</small>	4
CHEM 222	Organic Chemistry II with Lab	5	CHEM 2220, 2229*	Organic Chemistry II (4) and Lab (1)* <small>*Note: CHEM 2229 is not an S&T degree requirement, course will transfer as elective credit.</small>	4
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
CIS 155 or MATH 119 or MATH 127 or	Programming in C# or Statistical Reasoning or Business Statistics	3	CS 1500 or STAT 1115	Computational Problem Solving or Statistics for Social Sciences I <small>(Or other statistics or computer class. Statistics preferred; computer class is acceptable.)</small>	3
Total Hours					20
Total Hours					20

Teacher Certification Requirements (Take all courses)

EDUC 209	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDUC 220	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 210	Lifespan Development	3	PSYCH 3310	Developmental Psychology	3
EDUC 228	Education of Exceptional Learners Pre K-12	3	PSYCH 4310	Psychology of the Exceptional Child	3
Total Hours					12
Total Hours					11

***Teacher certification notes:** An ACT of 22 or a 220 on the MoGEA is required for professional standing in the department. Students must pass the MoCA, maintain a 2.75 cumulative GPA, and a 3.0 content GPA to qualify for student teaching. Students completing this program will earn a BA in Biological Science.

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