

# State Fair Community College — Missouri S&T

## Biological Sciences BS Transfer Guide

Effective as of Fall 2023

### 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	English Composition II	3	ENGLISH 1160	Writing and Research	3
COM 101	Public Speaking (if required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3
Total Hours			9		

#### Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

HIST 109 or HIST 101 or HIST 102 or POLS 101	World Civilization After 1500 or US History Before 1877 or US History Since 1877 or American/National Government <small>(At least one of these courses is required to satisfy state requirement)</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>(At least one of these courses is required to satisfy state requirement)</small>	3
ECON 102 or ECON 101	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
	Other economics, history, political science, sociology, psychology elective.	3		Other economics, history, political science, sociology, psychology elective.	3
Total Hours			9		

#### Humanities (Select 6 hours)

ART 101	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 101	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THEA 107	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
LIT 109	British Literature	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
LIT 107	American Literature	3	ENGLISH 1221	American Literature: 1600 to 1865	3
LIT 112	World Literature	3	ENGLISH 1231	World Literature I	3
PHIL 101	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
	Other fine art, literature, or philosophy elective	3		Other fine art, literature, or philosophy elective	3
Total Hours			6		

#### Mathematics and Sciences (Take all courses)

BIO 112 or BIO 125	Intro to Biology with Lab or Biology I with Lab	5	BIO SCI 1113, 1219	General Biology and Lab	4
MATH 130	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4
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	General Chemistry II	3
CHEM 221	Organic Chemistry I with Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHEM 222	Organic Chemistry II with Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
PHYS 105 or PHYS 118	College Physics I with Lab or General Physics I with Lab	5	PHYSICS 1145, 1119 or PHYSICS 1135	College Physics I and Lab or Engineering Physics I	5
PHYS 106 or PHYS 119	College Physics II with Lab or General Physics II with Lab	5	PHYSICS 2145, 2119 or PHYSICS 2135	College Physics II and Lab or Engineering Physics II	5
40			Total Hours 34		

#### Additional Degree Requirements

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

BIO 126	Biology II with Lab	5	BIO SCI 1223, 1229	Biodiversity and Lab or Principles of Biology II equivalent	4
BIO 210	Principles of Genetics with Lab	4	BIO SCI 2223	General Genetics	3

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

**64**

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.