

State Fair Community College — Missouri S&T

Geology and Geophysics 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 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 (if required for AA degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as free elective)	3
Total Hours					9
			Total Hours		9

Mathematics and Science (Take all courses)

MATH 130	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4
MATH 131	Calculus and Analytic Geometry II	5	MATH 1215	Calculus II	4
CHEM 123	General Chemistry I with Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHYS 118	General Physics I with Lab	5	PHYSICS 1135	Engineering Physics I	4
PHYS 119	General Physics II with Lab	5	PHYSICS 2135	Engineering Physics II	4
EASC 118	Environmental Geology	3	GEOLOGY 1110 (GEO ENG 1150)	Physical and Environmental Geology	3
CIS 120 or CIS 155	Programming in Python or Programming in C#	3	CS 1500	Computational Problem Solving	3
Total Hours					31
			Total Hours		27

Social Sciences (Take all courses)

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</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 Other economics, history, political science, sociology, psychology elective	3 3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics Other economics, history, political science, sociology, psychology elective	3 3
Total Hours					9
			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	Introduction 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
			Total Hours		6

Additional Degree Requirements

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

MATH 132	Calculus and Analytic Geometry III	5	MATH 2222	Calculus III (Transfers as required science elective)	4
MATH 134	Differential Equations	3	MATH 3304	Elementary Differential Equations (Transfers as required science elective)	3
CHEM 124	General Chemistry II with Lab	5	CHEM 1320	General Chemistry II (Transfers as required science elective)	3
BIO 112 or BIO 125	Intro to Biology with Lab or Biology I with Lab (if required for AA degree)	5	BIO SCI 1113	General Biology (Transfers as required science elective)	3
	Other science, mathematics, or engineering course.	3		Other science, mathematics, or engineering course.	3

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.