

State Fair Community College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2023

State Fair Community College

Missouri S&T

Communication Skills and (Take all courses)

ENGL 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 110	English Composition II or Business Communications	3	ENGLISH 1160 or ENGLISH 1600	Writing and Research or Intro to Technical Communication	3
COM 101	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			9

Computer Science, Mathematics, and Science (Take all courses)

CIS 120 or CIS 155	Programming in Python or Programming in C#	3	CS 1500	Computational Problem Solving	3
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
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
CHEM 123 or BIO 112 or BIO 125 or BIO 126	General Chemistry I with Lab or Intro to Biology with Lab or Biology I with Lab or Biology II with Lab	5	CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 1223, 1229	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Biodiversity (3) and Lab (1) Satisfies science lecture/lab requirement.	4
		Total Hours			Total Hours
		28			23

Engineering/Science Electives

Select up to 6 hours in engineering/science electives not already used to satisfy another degree requirement. See Approved Science and Engineering Electives at <https://cs.mst.edu/undergraduate-degree/>

MATH 132 or MATH 134	Calculus and Analytic Geometry III (5) or Differential Equations (3) Or other math 2000-level or higher or Any statistics 4000-level or higher	3	MATH 2222 or MATH 3304	Calculus III or Elementary Differential Equations Or other math 2000-level or higher or Any statistics 4000-level or higher	4
PHYS 203	Statics Or other course with the equivalent of a Missouri S&T engineering designation.	3	CIV ENG 2200	Statics Or other course with the equivalent of a Missouri S&T engineering designation.	3
	Any biology, chemistry, geology, or environmental science.	3		Any biology, chemistry, geology, or environmental science.	3
	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3		Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3
		Total Hours			Total Hours
		6			6

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	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 (At least one of these courses is required to satisfy state requirement)	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 (or upper-level economics)	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology (or upper-level psychology)	3
ACCT 101 or BADM 103	Principles of Financial Accounting or Legal Environment of Business (or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/)	3	BUS 1210 or BUS 2910	Financial Accounting or Business Law (or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/)	3
	Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3		Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3
		Total Hours			Total Hours
		9			9

Humanities and Ethics (Select one humanities and one ethics course)

PHIL 101	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
MUS 101	Music Appreciation	3	MUS 1150	Music Understanding and Appreciation	3
THEA 107	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
LIT 112 or LIT 107 or LIT 109	World Literature or American Literature or British Literature	3	ENGLISH 1231 or ENGLISH 1221 or ENGLISH 1211	World Literature I or American Literature: 1600 to 1865 or British Literature I: The Beginnings to 1800	3
Foreign Language	Any foreign language	3	Foreign Language	Any foreign language	3
	Other humanities elective from the list of approved courses.	3		Other humanities elective from the list of approved courses.	3
		Total Hours			Total Hours
		6			6

Additional Degree Requirements

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

Maximum Free Electives	8	Maximum Free Electives	8
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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.