

State Fair Community College — Missouri S&T

Computer Science BS
Transfer Guide Effective as of Fall 2024

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 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			9		
Total Hours			9		

Computer Science, Mathematics, and Science

CIS 120 or CIS 155	Programming in Python or Programming in C#	3	CS 1200	Discrete Mathematics for Computer Science	3
MATH 130	Calculus and Analytic Geometry I	5	CS 1500	Computational Problem Solving	3
MATH 131	Calculus and Analytic Geometry II	5	MATH 1214	Calculus I	4
PHYS 211	Engineering Physics I with Lab	5	MATH 1215	Calculus II	4
PHYS 212	Engineering Physics II with Lab	5	PHYSICS 1135	Engineering Physics I	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	PHYSICS 2135	Engineering Physics II	4
			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)	5
Total Hours			28		
Total Hours			27		

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 (4) or Elementary Differential Equations (3) Or other math 2000-level or higher or Any statistics 4000-level or higher Satisfies the 3-hour science lecture/lab requirement. Credit hours apply to degree totals as indicated for each course.	3
PHYS 235	Engineering Statics	3	CIV ENG 2200	Statics Or other course with the equivalent of a Missouri S&T engineering designation.	3
Science	Any biology, chemistry, geology, or environmental science.	3	Science	Any biology, chemistry, geology, or environmental science.	3
Physics	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3	Physics	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3
*A maximum of 6 hours applies to engineering/science elective requirements. Any additional credit hours apply to degree totals as general elective credit.					
Total Hours			6		
Total Hours			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 At least one of these courses is required to satisfy state requirement.	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
Social Science	Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3	Social Science	Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3
Total Hours			9		
Total Hours			9		

Humanities and Ethics

Select one humanities and one upper-level 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 109 or LIT 107 or LIT 112	British Literature or American Literature or World Literature or other literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or other literature	3
Foreign Language	Any foreign language	3	Foreign Language	Any foreign language	3
Humanities	Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	3	Humanities	Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	3
Total Hours			6		
Total Hours			6		

Additional Degree Requirements

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

Electives	Maximum Free Electives	8	Electives	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.