

State Fair Community College — Missouri S&T

Data Science BS

Transfer Guide Effective as of Fall 2026

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

State Fair Community College

Missouri S&T

English and Communication Skills

Take all courses.

ENGL 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or COM 101	English Composition II or Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed communication requirement.	3
Total Hours 6			Total Hours 6		

Mathematics, Statistics, and Computer Science

Take all courses.

MATH 210	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4
MATH 211	Calculus and Analytic Geometry II	5	MATH 1215	Calculus II	4
MATH 212	Calculus and Analytic Geometry III	5	MATH 2222	Calculus III	4
MATH 250	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CIS 155	Programming in C#	3	COMP SCI 1500	Computational Problem Solving	3
Total Hours 21			Total Hours 18		

Natural Sciences General Education Requirements

Select 7 hours to include at least two specific disciplines and to include at least 1 hour of lab.

CHEM 123 or BIO 112 or BIO 125 or EASC 120	General Chemistry I with Lab (4) or Principles of Biology with Lab (4) or General Biology (4) or Intro to Astronomy (3)	3-4	CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 1213, 1229 or PHYSICS 1505	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Principles of Biology (3) and Lab (1) or Introductory Astronomy (3) Satisfies the gen ed natural science lecture/lab requirement. Lecture/lab pair must total a minimum of 4 hours.	4
Natural Science	Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher)	3	Natural Science	Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher)	3
Total Hours 7			Total Hours 7		

Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 15 hours to include
6 hours Humanities and Fine Arts from at least two specific disciplines and
6 hours Behavioral and Social Sciences from at least two specific disciplines.

***At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.**

Humanities and Fine Arts

Select 6 hours from at least two specific disciplines.

LIT 109 or LIT 107 or LIT 112 or HIST 101* or HIST 102* or ART 101 or MUS 101 or THEA 107 or Literature	British Literature or American Literature or World Literature or US History Before 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Intro to Theatre or Any literature with prerequisite of no more than English Composition I. *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I: Beginnings to the Renaissance or American History to 1877* or American History Since 1877* or Art Appreciation or Music Understanding and Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
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Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines to include either ECON 1100 or 1200.

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
HIST 108 or HIST 109* or GEOG 101 or PHL 101 or POLS 101* or PSY 101 or Foreign Language	World Civilization Before 1500 or World Civilization After 1500* or World Regional Geography or Intro to Philosophy or American/National Government* or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHILOS 1105 or POL SCI 1200* or PSYCH 1101 or Foreign Language	Early Western Civilization or Modern Western Civilization or World Regional Geography or Self and World: Intro to Philosophy or American Government or General Psychology or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3

Humanities, Arts, and Social Sciences

Select 3 hours.

HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
Total HASS Hours 15			Total HASS Hours 15		

Additional Degree Requirements

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

Technical Electives	Technical electives in biology, business, chemistry, computer science, economics, education, engineering, finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical communication approved by advisor.		Technical Electives	Technical electives in biology, business, chemistry, computer science, economics, education, engineering, finance, geology, geophysics, information science and technology, marketing, mechanics, physics, or technical communication approved by advisor.	
Electives	Free Electives		Electives	Free Electives	

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

60

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.