

# State Fair Community College — Missouri S&T

## Computer Science BS Transfer Guide

Effective as of Fall 2020

### 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 155	Programming in C#	3	CS 1500	Computational Problem Solving	3
MATH 130	Calculus and Analytic Geometry I	5	MATH 1214	Calculus for Engineers I	4
MATH 131	Calculus and Analytic Geometry II	5	MATH 1215	Calculus for Engineers 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
		Total Hours			Total Hours
		23			19

#### 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  <i>See your advisor for course options</i>	3	PSYCH 1101	General Psychology  Other economics, history, political science, sociology, psychology elective.	3
		Total Hours			Total Hours
		9			9

#### Literature and Philosophy/Ethics

#### (Select 6 credit hours to include at least one literature course and one philosophy/ethics course)

LIT 112	World Literature	3	ENGLISH 1231	World Literature I	3
LIT 107	American Literature	3		American Literature Elective	3
LIT 109	British Literature	3		British Literature Elective	3
PHIL 101	Introduction to Philosophy  <i>See your advisor for course options</i> <i>See your advisor for course options</i>	3	PHILOS 1105	Intro to Philosophy  Other literature elective Other philosophy/ethics elective	3
		Total Hours			Total Hours
		6			6

#### Additional Degree Requirements (Select up to 25 hours)

MATH 132	Calculus and Analytic Geometry III	5	MATH 2222	Calculus with Analytic Geometry III <small>(Not required for Computer Science BS. Will transfer as science/engineering elective)</small>	4
CHEM 123 or BIO 125 or EASC 118	General Chemistry I with Lab (5) or Biology I with Lab (5) or Environmental Geology	3-5	CHEM 1310, 1319 or BIO SCI 1113, 1219 or GEOLOGY 1110	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (2) or Physical and Environmental Geology (3) <small>(Applies to S&amp;T degree as science/engineering elective)</small>	3-5

#### 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.