

# Jefferson College — Missouri S&T

## Computer Science BS Transfer Guide

Effective as of Fall 2020

### Jefferson College

### Missouri S&T

#### Communication Skills and (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160	Writing and Research	3
COM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			9		
Total Hours			9		

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

CIS 155	Intro to Computer Programming	3	CS 1971, 1981	Intro to Programming Method and Lab (C++)	3
MTH 180	Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 185	Calculus II	5	MATH 1215	Calculus for Engineers II	4
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours			21		
Total Hours			19		

#### Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

HIST 102 or HIST 103 or HIST 104 or PSC 102	Renaissance to Early Modern Europe or US History I or US History II or US and Missouri Govt. and Constitution <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
ECO 102 or ECO 101 PSY 101	Microeconomics or Macroeconomics General Psychology <i>See your advisor for course options</i>	3	ECON 1100 or ECON 1200 PSYCH 1101	Principles of Microeconomics or Principles of Macroeconomics General Psychology Other economics, history, political science, sociology, psychology elective.	3
Total Hours			9		
Total Hours			9		

#### Literature and Philosophy/Ethics

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

ENG 130	English Life & Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 175	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
PHL 102	Intro to Philosophy <i>See your advisor for course options</i>	3	PHILOS 1105	Intro to Philosophy Other literature elective Other philosophy/ethics elective	3
Total Hours			6		
Total Hours			6		

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

MTH 201	Calculus III	5	MATH 2222	Calculus with Analytic Geometry III <small>(Not required for Computer Science BS. Will transfer as science/engineering elective)</small>	4
MTH 172	Linear Algebra	3	MATH 3108	Linear Algebra	3
CHM 111 or BIO 101 or PHY 105	General Chemistry I (5) or General Biology (5) or Physical Geology (4)	4-5	CHEM 1310, 1319 or BIO SCI 1113, 1219 or GEOLOGY 1110	General Chemistry I (3) 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.