

Ozarks Technical College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2020

Ozarks Technical College

Missouri S&T

Communication Skills and (Take all courses)

ENG 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition II	3	ENGLISH 1160	Writing and Research	3
COM 105	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
9			9		

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

CSC 210 or CSC 140	Data Structures or C++ Programming	4	CS 1500 or CS 1971,1981	Computational Problem Solving or Intro to Programming Methodology and Lab	3
MTH 140	Analytical Geometry/Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 141	Analytical Geometry/Calculus II	5	MATH 1215	Calculus for Engineers II	4
PHY 220	Physics for Engineers and Scientists I	5	PHYSICS 1135	Engineering Physics I	4
PHY 222	Physics for Engineers and Scientists II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours			Total Hours		
24			19		

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

HST 106 or HST 120 or HST 130 or PLS 101	World History II or US History I: to 1865 or US History II: 1865-Present or American Government and Politics <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 275 or ECO 270	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
<i>See your advisor for course options</i>			Other economics, history, political science, sociology, psychology elective.		
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)

ENG 340	Survey of English Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 350	Survey of American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 260	Survey of World Literature I	3	ENGLISH 1231	World Literature I	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>			Other literature elective		
<i>See your advisor for course options</i>			Other philosophy/ethics elective		
Total Hours			Total Hours		
6			6		

Additional Degree Requirements (Select up to 19 hours)

EGR 100	Study and Careers in Engineering	1	FR ENG 1100	Study and Careers in Engineering and Computing	1
MTH 240	Analytical Geometry/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 230	Linear Algebra	3	MATH 3108	Linear Algebra	3
CHM 160 or GEO 110 or BIO 100 or BIO 160	General Chemistry I and Lab (5) or Intro to Geology (4) or Life Science (4) or General Biology I (4)	4-5	CHEM 1310, 1319 or GEOLOGY 1110 or BIO SCI 1113, 1219	General Chemistry I and Lab (5) or Physical and Environmental Geology (3) or General Biology and Lab (5) <small>(Applies to S&T degree as science/engineering elective)</small>	3-5
Total Hours			Total Hours		
19			19		

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.