

Moberly Area Community College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2017

Partner School

Missouri S&T

Communication Skills (Take all courses)

LAL 101	English I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	Exposition	3	ENGLISH 1160	Writing and Research	3
SPK 101	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours					9
			Total Hours		9

Mathematics and Science (Take all courses)

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
PHY 201	College Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	College Physics II	5	PHYSICS 2135	Engineering Physics II	4
Total Hours					20
			Total Hours		16

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

HST 102 or HST 105 or HST 106 or PSC 103 or PSC 105	Western Civilization II or American History to 1865 or American History from 1865 or American Government or Functions & Policies of American 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
ECN 102 or ECN 101 PSY 101	Microeconomics or Macroeconomics General Psychology	3 3 3	ECON 1100 or ECON 1200 PSYCH 1101	Principles of Microeconomics or Principles of Macroeconomics General Psychology	3 3 3
<i>See your advisor for course options</i>				Other economics, history, political science, sociology, psychology elective.	
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)

LAL 150	English Literature to 1750	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
LAL 120	American Literature to 1870	3	ENGLISH 1221	American Literature: 1600 to 1865	3
PHI 150	Introduction 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					6
			Total Hours		6

Additional Degree Requirements (Select up to 21 hours)

MTH 203	Analytic Geometry and Calculus III (Required for AS degree)	5	MATH 2222	Calculus with Analytic Geometry III (Not required for Computer Science BS. Will transfer as science/engineering elective)	4
MTH 220	Probability and Statistics-Calc Based	3	STAT 3115	Engineering Statistics	3
PHY 121 or BIO 101	General Chemistry I or Biology (Required for AA degree)	5	CHEM 1310, 1319 or BIO SCI 1113, 1219	General Chemistry I and Lab or General Biology and Lab (Applies to S&T degree as science elective)	5
CIT 205	Programming II	3	CS 1570, 1580*	Intro to Programming	3
CIT 208	Data Structures I	3	CS 1575*	Data Structures	3

*Students are recommended to take CS 1570, 1580, and 1575 the last semester before transferring to Missouri S&T, if possible. CS 1580 will be waived for students who take the equivalent of CS 1570 at their transfer college.

Total Hours 21

Total Hours 21

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.