

Mineral Area College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2020

Mineral Area College

Missouri S&T

Communication Skills and (Take all courses)

ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160	Writing and Research	3
ENG 1440	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			Total Hours		
9			9		

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

MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus for Engineers I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus for Engineers II	4
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
Total Hours			Total Hours		
18			16		

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

HIS 1140 or HIS 1230 or HIS 1240 or POS 1180	Western Civilization II or American History I or American History II or American Political Systems <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
BUS 2940 or BUS 2930	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 1130	General Psychology I <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)

ENG 2330	English Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 2430	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 2492	Women's Literature	3	ENGLISH 2242	Literature by Women	3
PHI 1400	Intro 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 additional hours up to the maximum credit hours shown below.)

MAT 2250	Analytical Geometry and 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
PHS 1350 or BIO 1150 or PHS 2410	General Chemistry I or General Biology or Physical Geology	5	CHEM 1310, 1319 or BIO SCI 1113, 1219 or GEOLOGY 1110	General Chemistry I and Lab or General Biology and Lab or Physical and Environmental Geology <small>(Applies to S&T degree as science/engineering elective)</small>	5

*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	10	Total Hours	9
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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.