

Ozarks Technical Community College — Missouri S&T

Geology and Geophysics BS Transfer Guide

Effective as of Fall 2017

Ozarks Technical Community College

Missouri S&T

Communication Skills (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 (Required for AA Degree)	3	SPMS 1185	Principles of Speech (Applies to S&T degree as free elective)	3
Total Hours			9		

Mathematics and Science (Take all courses)

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
CHM 160, 161	General Chemistry	5	CHEM 1310, 1319	General Chemistry I and Lab	5
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
PHY 110	Intro to Geology	5	GEOLOGY 1110, 1119	Physical and Environmental Geology and Lab	4
CIT 145 or CIT 140	C++ Programming II or C++ Programming I	3	CS 1570, 1580 or CS 1971, 1981	Intro to Programming or Intro to Programming Methodology and Lab	3
Total Hours			25		

Social Sciences (Take all courses)

HST 102 or HST 120 or HST 130 or PLS 101	Western Civilization 1350 to Present or First American to War or Reconstruction to the Present or American Government 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	3
Total Hours			9		

Humanities (Select 6 hours)

ART 110	Art and Experience	3	ART 1180	Art Appreciation	3
MUS 101	Western Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THE 101	Introduction to Theatre	3	THEATRE 1190	Theatre Appreciation	3
ENG 240	British Literature Beginnings - 1790	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 220	American Lit Beginnings - 1870	3	ENGLISH 1221	American Literature: 1600 to 1865	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>				Other fine art, literature, or philosophy elective	3
Total Hours			6		

Additional Degree Electives (Select up to 9 hours)

MTH 240	Analytical Geometry/Calculus III	5	MATH 2222	Calculus with Analytic Geometry III <small>(Transfers as required science elective)</small>	4
MTH 241	Differential Equations	3	MATH 3304	Elementary Differential Equations <small>(Transfers as required science elective)</small>	3
CHM 170	General Chemistry II	5	CHEM 1320	General Chemistry II <small>(Transfers as required science elective)</small>	3
BIO 100	Life Science	4	BIO SCI 1113	General Biology <small>(Transfers as required science elective)</small>	3
Total Hours			9		

Maximum credit hours to be transferred to Missouri S&T degree requirements.

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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.