

East Central College — Missouri S&T

Biological Sciences BS Transfer Guide

Effective as of Fall 2017

East Central College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
COM 110	Public Speaking (Required for AA degree.)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3
Total Hours			Total Hours		
9			9		

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

CIV 202 or HST 101 or HST 102 or PSC 102	European Civilization II or US History to 1865 or US History 1865-1945 or US Government National and State	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	Principles of Microeconomics or Principles of Macroeconomics General Psychology	3 3 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 3 3 3
<i>See your advisor for course options</i>					
Total Hours			Total Hours		
9			9		

Humanities (Select 6 hours)

ART 101	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 101	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THE 101	Theatre Appreciation	3	THEATRE 1190	Theatre Appreciation	3
ENG 210	Survey British Lit: Beginnings to 1784	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 221	Survey American Lit: Colonial to 1865	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 222	Survey American Lit: 1865 to Present	3	ENGLISH 1222	American Literature: 1865 to Present	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					
Total Hours			Total Hours		
6			6		

Mathematics and Sciences (Take all courses)

MTH 190	Analytic Geometry & Calculus I	5	MATH 1214	Calculus for Engineers I	4
CHM 111	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II and Lab	5	CHEM 1320	General Chemistry II	3
CHM 205	Organic Chemistry I and Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
CHM 206	Organic Chemistry II and Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	5
PHY 111, 112 or PHY 211, 212	College Physics I and Lab or General Physics I and Lab	5	PHYSICS 1145, 1119 or PHYSICS 1135	College Physics I and Lab or Engineering Physics I	5
PHY 121, 122 or PHY 221, 222	College Physics II and Lab or General Physics II and Lab	5	PHYSICS 2145, 2119 or PHYSICS 2135	College Physics II and Lab or Engineering Physics II	5
BIO 111	General Biology Lecture and Lab	5	BIO SCI 1113, 1219	General Biology and Lab	5
Total Hours			Total Hours		
40			37		

Additional Degree Requirements (Select up to 6 hours)

BIO 122	Principles of Biology II and Lab	5	BIO SCI 1223, 1229 or Gen Biology II	Biodiversity and Lab or Principles of Biology II	4
Total Hours			Total Hours		
6			6		

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

70

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.