

East Central College — Missouri S&T

Biological Sciences BA

Transfer Guide Effective as of Fall 2024

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 <small>or other composition course</small>	3	ENGLISH 1160	Writing and Research <small>or other composition course</small>	3
Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12	Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12
Total Hours			18		

Math and Sciences

Take all courses.

MTH 183	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher level math)	3
BIO 121	Principles of Biology I and Lab	5	BIO SCI 1213, 1219	Principles of Biology and Lab	4
BIO 122	Principles of Biology II and Lab	5	BIO SCI 1223, 1229	Biodiversity and Lab	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, 1510*	General Chemistry II and Quantitative Analysis* <small>*CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.</small>	3
Total Hours			23		

Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

ART 101 or MUS 101 or THE 101	Art Appreciation or Music Appreciation or Theatre Appreciation	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video <small>or other fine art</small>	3
ENG 210 or ENG 221 or ENG 124 or ENG 214 or ENG 215	Survey British Lit: Beginnings - 1784 or Survey American Lit: Beginnings - 1865 or World Literature I or Women's Literature or African-American Literature <small>or other literature</small>	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature <small>or other literature</small>	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy <small>or other philosophy elective</small>	3
Total Hours			9		

Social Sciences

Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.

ECO 102 or ECO 101	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics <small>or other economics</small>	3
PSC 102	US Government 1: National and State	3	POL SCI 1200	American Government <small>or other political science</small>	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology <small>or other psychology</small>	3
Total Hours			6		

Additional Degree Requirements

Select additional courses to total up to the maximum transfer credit hours shown below.

MTH 150 or BUS 210 or MTH 242 or EGR 221, 222	Statistics or Basic Business Statistics or Engineering Statistics or C++ Programming	3	STAT 1115* or STAT 1115* or STAT 3115* or CS 1971, 1981	Statistics for the Social Sciences I* or Statistics for the Social Sciences I* or Engineering Statistics* or Intro to Programming Method and Lab <small>Satisfies a computer science/statistics requirement. *Will be substituted for STAT 3111.</small>	3
BIO 110	Ecology	3	BIO SCI 2263	Ecology	3
CHM 205	Organic Chemistry I and Lab	5	CHEM 2210	Organic Chemistry I	4
CHM 206	Organic Chemistry II and Lab	5	CHEM 2220	Organic Chemistry II	4
CIV 201	European Civilization I	3	HISTORY 1100	Early Western Civilization	3
CIV 202	European Civilization II	3	HISTORY 1200	Modern Western Civilization	3

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

60

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.