

East Central College — Missouri S&T

Biological Sciences BA Transfer Guide

Effective as of Fall 2023

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 (or other composition course)	3
COM 110	Public Speaking (if required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3
	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	12		Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)	12
		Total Hours			Total Hours
		21			21

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	5
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* *Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.	3
MTH 150 or BUS 210 or MTH 242 or CIS 143 or EGR 221,222 or EGR 251	Statistics or Basic Business Statistics or Engineering Statistics or Implementing Info Sys.-User Perspective or C++ Program Engineers and Lab (4) or Data Structures (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3-4	STAT 1115 or STAT 1115 or STAT 3115 or IST 1551 or CS 1971,1981 or CS 1500	Statistics for Social Sciences I or Statistics for Social Sciences I or Engineering Statistics or Implementing Infor Sys: User Persp or Computational Problem Solving (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3
		Total Hours			Total Hours
		23			22

Humanities (Select 9 hours)

Must

include one class of each in literature, philosophy, and fine arts.

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 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 (or other literature elective)	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 (or other literature elective)	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy (or other philosophy elective)	3
		Total Hours			Total Hours
		9			9

Social Sciences (Select 6 hours)

Must 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 (or other economics)	3
PSC 102	US Government 1: National and State	3	POL SCI 1200	American Government (or other political science)	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology (or other psychology)	3
		Total Hours			Total Hours
		6			6

Additional Degree Requirements

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

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.