

# East Central College — Missouri S&T

## Biological Sciences BA Transfer Guide

Effective as of Fall 2020

### 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)	11
<b>Total Hours</b>			<b>21</b>		

**Total Hours 20**

#### 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 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* <small>*Note: CHEM 1510 is not an S&amp;T degree requirement; course will transfer as elective credit.</small>	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 <small>(Or other statistics or computer class. Statistics preferred; computer class is acceptable.)</small>	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 <small>(Or other statistics or computer class. Statistics preferred; computer class is acceptable.)</small>	3
<b>Total Hours</b>			<b>23</b>		

**Total Hours 23**

#### Humanities (Select 3 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 or ENG 221 or ENG 124 or ENG 214 or ENG 215	Survey British Lit: Beginnings to 1784 or Survey American Lit: Colonial to 1865 or World Literature I or Women's Literature or African-American Literature <small>(or other literature elective)</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 elective)</small>	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Introduction to Philosophy	3
	<i>See your advisor for course options</i>			Other fine art, English or American literature, or philosophy elective	
<b>Total Hours</b>			<b>3</b>		

**Total Hours 3**

#### Social Sciences (Select 6 hours)

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	3
HST 101	US History to 1865	3	HISTORY 1300	American History to 1877	3
HST 102	US History 1865-1945	3	HISTORY 1310	American History since 1877	3
PSC 102	US Government: National and State	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
	<i>See your advisor for course options</i>			Other history, economics, political science, psychology, or sociology.	
<b>Total Hours</b>			<b>6</b>		

**Total Hours 6**

#### Additional Degree Requirements (Select up to 8 hours)

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
<b>Total Hours</b>			<b>8</b>		

**Total Hours 8**

#### 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.