

# Jefferson College — Missouri S&T

## Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

### Jefferson College

### Missouri S&T

#### Communication Skills (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric II	3	ENGLISH 1160	Writing and Research	3
COM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours		9	Total Hours		9

#### Social Sciences (Take all courses)

PSC 102	US and Missouri Govt. and Constitution	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours		6	Total Hours		6

#### Humanities (Take all courses)

ART 101 or MUS 121 or THT 100	Art Appreciation or Appreciation of Music or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHL 102 or PHL 101	Intro to Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
ENG 130 or ENG 175 or ENG 215	English Life and Literature I or American Literature I or World Literature before 1650 (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I (or other literature elective)	3
Total Hours		9	Total Hours		9

#### Mathematics and Sciences (Take all courses)

MTH 128 or MTH 134	Intermediate Algebra or College Algebra (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher math)	3
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	5	CHEM 1320	General Chemistry II	3
BIO 101	General Biology	5	BIO SCI 1213, 1219	Principles of Biology and Lab	5
Total Hours		18	Total Hours		16

#### Additional Degree Requirements

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

PHY 111 or PHY 106	Elementary College Physics I or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
PHY 105	Physical Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 201	Genetics	3	BIO SCI 2223	General Genetics	3
CHM 200	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	4
CHM 201	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	4
HIST 101	Ancient and Medieval Civilization	3	HISTORY 1100	Early Western Civilization	3
HIST 102	Renaissance to Early Modern Europe	3	HISTORY 1200	Modern Western Civilization	3
MTH 132 or MTH 163 or CIS 155	Introductory Statistics or Probability and Statistics or Intro to Computer Programming (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3	STAT 1115 or STAT 1115 or CS 1971, 1981	Statistics for Social Sciences I or Statistics for Social Sciences I or Intro to Programming Method and Lab (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3

#### Teacher Certification Requirements (Take all courses)

EDU 210	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDU 225	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 201	Child Psychology	3	PSYCH 3310	Developmental Psychology	3

**Professional Requirements for Teacher Education Program: Please view all program requirements at <https://teachereducation.mst.edu/secondaryeducation/>.**

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

**71**

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.