

Mineral Area College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

Mineral Area College

Missouri S&T

Communication Skills (Take all courses)

ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160	Writing and Research	3
ENG 1440	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			9

Social Sciences (Take all courses)

POS 1180	American Political Systems	3	POL SCI 1200	American Government	3
PSY 1130	General Psychology I	3	PSYCH 1101	General Psychology	3
		Total Hours			Total Hours
		6			6

Humanities (Take all courses)

ART 1490 or MUS 1630 or THE 1000	History of Art I 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
PHI 1400	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
ENG 2330 or ENG 2430 or ENG 2492	English Literature I or American Literature I or Women's Literature (or other literature elective)	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 2242	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or Literature by Women (or other literature elective)	3
		Total Hours			Total Hours
		9			9

Mathematics and Sciences (Take all courses)

MAT 1230	College Algebra (or higher level math)	3	MATH 1140	College Algebra (or higher math)	3
PHS 1350	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
PHS 1390	General Chemistry II	4	CHEM 1320	General Chemistry II	3
BIO 1150	General Biology	5	BIO SCI 1219	General Biology Lab	1
		Total Hours			Total Hours
		17			12

Additional Degree Requirements

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

PHS 1420 or PHS 1200	College Physics I (4) or Intro to Astronomy (3)	3	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
PHS 2350	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	4
PHS 2360	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	4
HIS 1130	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3
HIS 1140	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
MAT 1260 or CSC 1600 or CSC 2400 or	Elementary Statistics or C# Programming or Computer Programming in C++ (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3	STAT 1115 or IST 1551 or CS 1971, 1981	Statistics for Social Sciences I or Implementing Infor Sys: User Persp 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 2040	Foundations of Education	3	EDUC 1040	Perspectives in Education	2
EDU 2320	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 1250	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 2500	Education of Exceptional Learner	3	PSYCH 4310	Psychology of the Exceptional Child	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.

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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.