

Mineral Area College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide Effective as of Fall 2017

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			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			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 Appreciation	3
PHI 1400	Intro to Philosophy	3	PHILOS 1105	Introduction to Philosophy Literature Elective	3 3
Total Hours			9		

Mathematics and Sciences (Take all courses)

MAT 1230 or MAT 1650	College Algebra or Analytical Geometry and Calculus I	3 or 5	MATH 1140 or MATH 1208	College Algebra or Calculus with Analytical Geometry I or higher level math	3 or 3 or 5
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
Total Hours			16-18		

Additional Degree Requirements (Select up to 9 hours)

PHS 1420 or PHS 1200	College Physics I or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
PHS 2410	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 2360	Survey of Genetics	4	BIO SCI 2223	General Genetics	3
BIO 1430	Environmental Science	3	BIO SCI 2263	Ecology	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
Total Hours			See your advisor for course options		
Total Hours			13		

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 or EDUC 2102	Educational Psychology	3
PSY 1250	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
Total Hours			Biological Sciences Computer Elective		
Total Hours			11		

***Teacher certification notes:** Passing scores on MoGEA and MoCA are required. Students must maintain a minimum 2.75 cumulative GPA and a minimum 3.0 content GPA. Students completing this program will have a BA degree in Chemistry with secondary education teacher certification.

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.