

Crowder College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2020

Crowder College

Missouri S&T

Communication Skills (Take all courses)

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 203	Advanced Englished Compoition or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COMM 104	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
Total Hours			9		

Social Sciences (Take all courses)

PLSC 103	National, State, Local Government	3	POL SCI 1200	American Government	3
PSYC 101	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			6		

Humanities (Take all courses)

ART 101 or MUSIC 101 or TA 205	Art Appreciation or Music Appreciation or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation	3
PHIL 101 or PHIL 201	Intro to Western Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Intro to Philosophy or Intro to Logic	3
ENGL 240 or ENGL 230 or ENGI 222 or	British Literature I or Survey of American LITERATURE I or World Literature I (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		

Mathematics and Sciences (Take all courses)

MATH 100 or MATH 135	Intermediate Algebra or Algebra for Calculus (or higher level math)	3	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher level math)	3
CHEM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 112	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) <small>*Note: CHEM 1510 is not an S&T degree requirement; course will transfer as elective credit.</small>	3
BIOL 101	General Biology	4	BIO SCI 1113,1219	General Biology and Lab	5
Total Hours			17		

Additional Degree Requirements (Select up to 20 hours)

PHYS 105	Descriptive Astronomy	3	PHYSICS 1505	Astronomy	3
GEOL 115	Intro to Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
HIST 101	Western Civilization I	3	HISTORY 1100	Early Western Civilization	3
HIST 102	Western Civilization II	3	HISTORY 1200	Modern Western Civilization	3
MATH 130 or BSAD 236 or COMP 111	Elementary Statistics or Business Statistics or Intro to Computer Science <small>(Or other statistics or computer class. Statistics preferred; computer class is acceptable.)</small>	3	STAT 1115 or STAT 1115 or CS 1500	Statistics for Social Sciences I or Statistics for Social Sciences I or Computational Problem Solving <small>(Or other statistics or computer class. Statistics preferred; computer class is acceptable.)</small>	3
Total Hours			16		

Teacher Certification Requirements (Take all courses)

EDUC 125	Intro to Education	3	EDUC 1040	Perspectives in Education	2
EDUC 231	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSYC 211	Lifespan Development	3	PSYCH 3310	Developmental Psychology	3
EDUC 240	Education of Exceptional Learners	3	PSYCH 4310	Psychology of the Exceptional Child	3
Total Hours			12		

***Teacher certification notes:** An ACT of 22 or a 220 on the MoGEA is required for professional standing in the department. Students must pass the MoCA, maintain a 2.75 cumulative GPA, and a 3.0 content GPA to qualify for student teaching. Students completing this program will earn a BA in Biological Science.

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.