

St. Louis Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification Transfer Guide

Effective as of Fall 2023

St. Louis Community College

Missouri S&T

Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or ENG 103	College Composition II or Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Writing	3
COM 107	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours		9	Total Hours		9

Social Sciences (Take all courses)

PSC 101	Intro to American Politics	3	POL SCI 1200	American Government	3
PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours		6	Total Hours		6

Humanities (Take all courses)

ART 100 or MUS 114 or THT 101	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 via Video	3
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic	3	PHILOS 1105 or PHILOS 1115	Intro to Philosophy or Intro to Logic	3
ENG 210 or ENG 204 or ENG 231 or ENG 216 or ENG 217	British Literature I or American Literature I or World Literature or Women in Literature or Major Black Writers (or other literature elective)	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 (or other literature elective)	3
Total Hours		9	Total Hours		9

Mathematics and Sciences (Take all courses)

MTH 140 or MTH 160	Intermediate Algebra (3) or Precalculus Algebra (or higher level math)	4	MATH 1103 or MATH 1140	Fundamentals of Algebra or College Algebra (or higher math)	3
CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 106	General Chemistry II	5	CHEM 1320	General Chemistry II	3
BIO 111 or BIO 140	Intro to Biology I (4) or Principles of Biology I (5)	4	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology (3) and Lab (1) or Principles of Biology (3) and Lab (1)	4
Total Hours		18	Total Hours		15

Additional Degree Requirements

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

PHY 111 or PSI 111	College Physics I (4) or Intro to Astronomy (3)	3-4	PHYSICS 1145 or PHYSICS 1505	College Physics I or Astronomy	3
GEO 111	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 141	Principles of Biology II	4	BIO SCI 1223, 1229	Biodiversity and Lab	5
BIO 225	Genetics	5	BIO SCI 2223	General Genetics	3
BIO 117	Conservation and Ecology	3	BIO SCI 2263	Ecology	3
CHM 206	Organic Chemistry I	3	CHEM 2210	Organic Chemistry I	4
CHM 207	Organic Chemistry II	3	CHEM 2220	Organic Chemistry II	4
HST 115	Ancient and Medieval History to 1500	3	HISTORY 1100	Early Western Civilization	3
HST 128	Western Civilization 1500 to Present	3	HISTORY 1200	Modern Western Civilization	3
BUS 201 or MTH 180 or IS 153 or IS 187 or IS 280 or ESC 101 or IS 167 or IS 267	Elementary Statistics (3) or Introductory Statistics (3) or C# Programming (4) or Java Programming I (4) or Python (3) or Scientific Computer Programming (3) or C++ Programming I (4) or C++ Programming II (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3-4	STAT 1115 or STAT 1115 or IST 1551 or CS 1500 or CS 1500 or CS 1971, 1981 or CS 1971, 1981 or CS 1971, 1981	Statistics for Social Sciences I or Statistics for Social Sciences I or Implementing Infor Sys: User Persp or Computational Problem Solving or Computational Problem Solving or Intro to Programming Method and Lab or Intro to Programming Method and Lab or Intro to Programming Method and Lab or (Or other statistics or computer class. Statistics preferred; computer class is acceptable.)	3-4

Teacher Certification Requirements (Take all courses)

EDU 211	Foundations of Education in a Diverse Society	3	EDUC 1040	Perspectives in Education	2
EDU 227	Educational Psychology	3	PSYCH 2300 (EDUC 2102)	Educational Psychology	3
PSY 205	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 219	Education of Exceptional Learners	3	PSYCH 4310	Psychology of the Exceptional Child	3
Total Hours		12	Total Hours		11

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.