

# St. Louis Community College — Missouri S&T

## Biological Sciences BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2025

### 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 Technical Writing	3
COM 107	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			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			Total Hours
		6			6

#### Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

ART 100 or MUS 114 or THT 101	Art Appreciation or Music Appreciation or Intro to Theatre or other fine art	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video or other fine art	3
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic or other philosophy	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or other philosophy	3
ENG 211 or ENG 204 or ENG 231 or ENG 216 or ENG 217	British Literature II or American Literature I or World Literature or Women in Literature or Major Black Writers or other literature	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	3
		Total Hours			Total Hours
		9			9

#### Mathematics and Sciences

Take all courses.

MTH 140	Intermediate Algebra or higher math		MATH 1103	Fundamentals of 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, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	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 and Lab or Principles of Biology and Lab	4
		Total Hours			Total Hours
		14			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 (4) or Astronomy (3) Satisfies a 3-hour science requirement. Any additional credits apply to degree totals as general elective credit.	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 231, 232	Cell Biology and Lab	4	BIO SCI 2213, 2219	Cell Biology and Lab	4
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	3
CHM 207	Organic Chemistry II	3	CHEM 2220	Organic Chemistry II	3
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 (4) Or other statistics or computer. 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 Info Systems: User Perspective or Computational Problem Solving or Computational Problem Solving or Intro to Programming (C++) and Lab or Intro to Programming (C++) and Lab or Intro to Programming (C++) and Lab Or other statistics or computer science. Statistics preferred; computer class is acceptable. Satisfies a 3-hour computer science/statistics requirement. Any additional credit hours apply to degree totals as general elective credit.	3

#### Teacher Certification Requirements

Take all courses.

EDU 211	Foundations of Education in a Diverse Society	3	EDUC 1074	Education in a Diverse Society	3
EDU 210	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 227	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 205	Human Growth and Development	3	PSYCH 3310	Developmental Psychology	3
EDU 219	Education of Exceptional Learners	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours			Total Hours
		15			13

**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.  
must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.  
required to complete all courses on this guide before transferring to Missouri S&T.

Students  
Students are not