

St. Louis Community College — Missouri S&T

Biological Sciences BA
Transfer Guide Effective as of Fall 2025

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

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 or COM 107	College Composition II or Report Writing or Public Speaking	3	ENGLISH 1160 or ENGLISH 3560 or SPMS 1185	Writing and Research or Technical Writing or Principles of Speech Applies to degree as Gen Ed Communication requirement.	3
Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages	12	Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages	12
Total Hours 18			Total Hours 18		

Major Requirements

Take all courses.

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
BIO 141	Principles of Biology II	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
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 a degree requirement, transfers as general elective credit.	3
Total Hours 19			Total Hours 16		

Math and Physical Sciences

Select 9 hours to include college algebra or higher math.

MTH 160	Precalculus Algebra or higher math	3	MATH 1140	College Algebra or higher math	3
PSI 111 or PHY 111	Intro to Astronomy (3) or College Physics I (4)	3-4	PHYSICS 1505 or PHYSICS 1145	Introductory Astronomy (3) or College Physics (4) or other physics	3-4
GEO 111	Physical Geology	5	GEOLOGY 1110	Physical and Environmental Geology or other geology	3
Physics or Geology	Other physics or geology.	3	Physics or Geology	Other physics or geology.	3
Mathematics	Other mathematics higher than college algebra.	3	Mathematics	Other mathematics higher than college algebra.	3
Total Hours 9			Total Hours 9		

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	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ENG 211 or ENG 204 or ENG 205 or ENG 231	British Literature II or American Literature I or American Literature II or World Literature	3	ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231	British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance	3
PHL 101 or PHL 102	Intro to Philosophy or Intro to Logic	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
Total Hours 9			Total Hours 9		

Social Sciences

Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology.

ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
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 9			Total Hours 9		

Additional Degree Requirements

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

BUS 201* or MTH 180* or ESC 101 or IS 167 or IS 267	Elementary Statistics* (3) or Introductory Statistics* (3) or Scientific Computer Programming (3) or C++ Programming I (4) or C++ Programming II (4)	3-4	STAT 1115* or CS 1971, 1981	Statistics for the Social Sciences I* (3) or Intro to Programming Method and Lab (3) Satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course. *Will be substituted for STAT 3111.	3-4
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, 2219*	Organic Chemistry I (3) and Lab* (1) *The lab is not a degree requirement, transfers as general elective credit.	4
CHM 207	Organic Chemistry II	3	CHEM 2220, 2229*	Organic Chemistry II (3) and Lab* (1) *The lab is not a degree requirement, transfers as general elective credit.	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

Maximum credit hours to be transferred to Missouri S&T degree requirements.

60

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.
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