

St Charles Community College — Missouri S&T

Biological Sciences BA

Transfer Guide Effective as of Fall 2026

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

St Charles Community College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or ENG 115 or COM 106	English Composition II or Technical 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 105, 106 or BIO 150	Essentials of Biology (3) and Lab (1) or General Biology: Cells to Organisms (5)	4	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology and Lab or Principles of Biology and Lab	4
BIO 151	General Biology: Organisms to Environment	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
CHM 115	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	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

Mathematics and Physical Sciences

Select 9 hours to include college algebra or higher math.

MAT 161	College Algebra or higher math	3	MATH 1140	College Algebra or higher math	3		
PHY 130 or PHY 150, 153	Astronomy (3) or General Physics I and Lab (4)	3	PHYSICS 1505 or PHYSICS 1145	Introductory Astronomy (3) or College Physics (4) or other physics	3-4		
PHY 125	Intro to Physical Geology	3	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 1001 or MUS 111 or THE 122	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
LIT 250 or LIT 260 or LIT 210 or LIT 220 or LIT 272 or Literature	English Literature Before 1800 or English Literature After 1800 or American Literature From Beginnings-1865 or American Literature From 1865-Present or World Literature-Ancient World thru Renaissance or Any literature with prerequisite of no more than English Composition I.	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or Literature	British Literature I: The Beginnings to 1800 or 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 or Any literature with prerequisite of no more than ENGLISH 1120.	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 120 or ECO 110	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3		
POL 101	American Government	3	POL SCI 1200	American Government	3		
PSY 101	Intro to 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.

CPT 182	Beginning Programming in C++	3	COMP SCI 1570	Intro to Programming (C++) Satisfies a computer science/statistics requirement.	3
CHEM 240	Organic Chemistry I	3	CHEM 2210	Organic Chemistry I	4
CHEM 241	Organic Chemistry II	3	CHEM 2220	Organic Chemistry II	4
HIS 145	Western Civ: Ancient and Medieval Heritage	3	HISTORY 1100	Early Western Civilization	3
HIS 146	Western Civ: Modern European Heritage	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.
Students are not required to complete all courses on this guide before transferring to Missouri S&T.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2026.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer@mst.edu, transfer@mst.edu, or 800-522-0938.