

Ozarks Technical 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.

Ozarks Technical Community College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or ENG 150 or COM 105	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 <small>Applies to degree as Gen Ed Communication requirement.</small>	3
Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12	Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12
		Total Hours			Total Hours
		18			18

Major Requirements

Take all courses.

BIO 100 or BIO 160 BIO 170	Life Science or General Biology I General Biology II	4 4 4	BIO SCI 1113, 1219	General Biology and Lab	4
CHM 160, 161	General Chemistry I and Lab	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
CHM 170	General Chemistry II	4	CHEM 1310, 1319	General Chemistry I and Lab	5
		Total Hours	CHEM 1320	General Chemistry II	3
		17			Total Hours
					16

Math and Physical Sciences

Select 9 hours to include college algebra or higher math.

MTH 130	College Algebra or higher math	3	MATH 1140	College Algebra or higher math	3
PHY 115 or PHY 120	Intro to Astronomy or General Physics I	4	PHYSICS 1505, 1509 or PHYSICS 1145	Introductory Astronomy and Lab or College Physics or other physics	3-4
PHY 110	Intro to Geology	4	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			Total Hours
		9			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 105 or THR 101	Art and Experience or Western Music Appreciation or Intro to Western Theater or other fine art	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Understanding and Appreciation or Theatre via Video	3
ENG 240 or ENG 241 or ENG 270 or ENG 271 or ENG 260	Survey of English Literature I or Survey of English Literature II or Survey of American Literature I or Survey of American Literature II or Survey of World Literature I	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231	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	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
		Total Hours			Total Hours
		9			9

Social Sciences

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

ECO 275 or ECO 270	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PLS 101	American Government and Politics	3	POL SCI 1200	American Government	3
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
		Total Hours			Total Hours
		9			9

Additional Degree Requirements

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

MTH 129 or MTH 210 or CSC 140	Introductory Statistics (3) or Statistical Methods (3) or C++ Programming (4)	3	STAT 1115* or CS 1971, 1981	Statistics for Social Sciences I or Intro to Programming Method and Lab <small>Satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course. *Will be substituted for STAT 3111.</small>	3-4
BIO 250	Genetics	4	BIO SCI 2223	General Genetics	3
CHM 242	Organic Chemistry I	5	CHEM 2210, 2219*	Organic Chemistry I (3) and Lab* (1) <small>*The lab is not a degree requirement, transfers as general elective credit.</small>	4
CHM 243	Organic Chemistry II	5	CHEM 2220, 2229*	Organic Chemistry II (3) and Lab* (1) <small>*The lab is not a degree requirement, transfers as general elective credit.</small>	4
HST 105	Ancient and Medieval World History	3	HISTORY 1100	Early Western Civilization	3
HST 106	Modern World History	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.