

# Ozarks Technical Community College — Missouri S&T

Biological Sciences BS  
Transfer Guide Effective as of Fall 2024

## 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	Composition II	3	ENGLISH 1160	Writing and Research	3
Total Hours		6	Total Hours		6

### Social Sciences

Select 9 credit hours to include one course to satisfy state requirement.

HST 106 or HST 120 or HST 130 or PLS 101	Modern World History or US History I: to 1865 or US History II: 1865-Present or American Government and Politics <small>At least one of these courses is required to satisfy state requirement.</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>At least one of these courses is required to satisfy state requirement.</small>	3
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
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
Social Science	Other economics, history, political science, sociology, or psychology.	3	Social Science	Other economics, history, political science, sociology, or psychology.	3
Total Hours		9	Total Hours		9

### Humanities

Select 6 hours.

ART 100	Art and Experience	3	ART 1180	Art Appreciation	3
MUS 105	Western Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THR 101	Intro to Theater	3	THEATRE 1190	Theatre via Video	3
ENG 240	Survey of English Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 270	Survey of American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 260	Survey of World Literature I	3	ENGLISH 1231	World Literature I	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Fine Arts	Other fine art, literature, or philosophy	3	Fine Arts	Other fine art, literature, or philosophy	3
Total Hours		6	Total Hours		6

### Mathematics and Sciences

Take all courses.

BIO 100 or BIO 160	Life Science or General Biology I	4	BIO SCI 1113, 1219	General Biology and Lab	4
MTH 140	Analytical Geometry/Calculus I	5	MATH 1214	Calculus I	4
CHM 160, 161	General Chemistry	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 170	General Chemistry II	3	CHEM 1320	General Chemistry II	3
CHM 242	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 243	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
PHS 120 or PHY 220	General Physics I (4) or Physics for Engineers and Scientists I (5)	4	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
PHS 130 or PHY 222	General Physics 2 (4) or Physics for Engineers and Scientists II (5)	4	PHYSICS 2145 or PHYSICS 2135	College Physics II or Engineering Physics II	4
Total Hours		35	Total Hours		32

### Additional Degree Requirements

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

BIO 170	General Biology II	4	BIO SCI 2213, 2219	Cell Biology and Lab	4
BIO 250	Genetics	4	BIO SCI 2223	General Genetics	3
BIO 275	Environmental Biology	4	BIO SCI 2263	Ecology	3

### 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.

Students  
are not