

Ozarks Technical College — Missouri S&T

Biological Sciences BS Transfer Guide

Effective as of Fall 2023

Ozarks Technical 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		
COM 105	Public Speaking (if required for AA Degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3		
		Total Hours	9			Total Hours	9

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	World History II or US History I: to 1865 or US History II: 1865-Present or American Government and Politics (At least one of these courses is required to satisfy state requirement)	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 (At least one of these courses is required to satisfy state requirement)	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
	Other economics, history, political science, sociology, psychology elective.	3		Other economics, history, political science, sociology, psychology elective.	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	Intro to Philosophy	3
	Other fine art, literature, or philosophy elective			Other fine art, literature, or philosophy elective	
		Total Hours 6			Total Hours 6

Mathematics and Sciences (Take all courses)

BIO 100 or BIO 160	Life Sience 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)	4-5	PHYSICS 1145, 1119 or PHYSICS 1135	College Physics I and Lab or Engineering Physics I	5		
PHS 130 or PHY 222	General Physics 2 (4) or Physics for Engineers and Scientists II (5)	4-5	PHYSICS 2145, 2119 or PHYSICS 2135	College Physics II and Lab or Engineering Physics II	5		
		Total Hours	23			Total Hours	34

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 1223, 1229	Biodiversity 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.