

Ozarks Technical Community College — Missouri S&T

Biological Sciences BA with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2026

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	Composition II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
COM 105	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			9

Social Sciences

Take all courses.

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
		6			6

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 Theater	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ENG 240 or ENG 270 or ENG 260	Survey of English Literature I or Survey of American Literature I or Survey of World Literature I or any literature with prerequisite of no more than English Composition I.	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or any literature with prerequisite of no more than ENGLISH 1120.	3
		Total Hours			Total Hours
		9			9

Mathematics and Sciences

Take all courses.

MTH 128 or MTH 130 or MTH 129 or MTH 210	Contemporary Math or College Algebra or Introductory Statistics or Statistical Methods or higher math or statistics	3	MATH 1110 or MATH 1140 or STAT 1115	Mathematical Reasoning and Modeling or College Algebra or Statistics for the Social Sciences or higher math or statistics	3
CHM 160, 161	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 170	General Chemistry II	3	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) *CHEM 1510 is not an S&T degree requirement. Will transfer as general credit.	3
BIO 100 or BIO 160	Life Science or General Biology I	4	BIO SCI 1113, 1219	General Biology and Lab	4
		Total Hours			Total Hours
		15			15

Additional Degree Requirements

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

PHY 120 or PHY 100	General Physics or Intro to Astronomy	4	PHYSICS 1145 or PHYSICS 1505	College Physics I (4) or Astronomy (3) Satisfies a 3-hour science requirement. Any additional credits apply to degree totals as general elective credit.	3
PHY 110	Intro to Geology	4	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 170	General Biology II	4	BIO SCI 1223, 1229	Biodiversity and Lab	5
BIO 150	Environmental Science	4	BIO SCI 1173	Intro to Environmental Sciences	3
BIO 250	Genetics	4	BIO SCI 2223	General Genetics	3
BIO 275	Environmental Biology	4	BIO SCI 2263	Ecology	3
CHM 242	Organic Chemistry I	5	CHEM 2210	Organic Chemistry I	3
CHM 243	Organic Chemistry II	5	CHEM 2220	Organic Chemistry II	3
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
MTH 129 or MTH 210 or MTH 229 or CIS 150 or CSC 210 or CSC 140	Introductory Statistics (3) or Statistical Methods (3) or Statistics for Engineers and Scientists (3) or C# Programming I (3) or Data Structures (4) or C++ Programming I (4) Or other statistics or computer class. Statistics preferred; computer class is acceptable.	3	STAT 1115 or STAT 1115 or STAT 3115* or IST 1551 or CS 1500 or CS 1971, 1981	Statistics for Social Sciences I or Engineering Statistics* or Implementing Infor Sys: User Persp or Computational Problem Solving or Intro to Programming Method and Lab Or other statistics or computer class. Statistics preferred; computer class is acceptable. Satisfies a 3-hour computer science/statistics requirement. Any additional credit hours apply to degree totals as general elective credit. *STAT 3115 will be substituted for this requirement.	3

Teacher Certification Requirements

Take all courses.

EDU 270	Foundations of Education	3	EDUC 1074	Education in a Diverse Society	3
EDU 250	Teaching Profession with Field Experience	3	EDUC 1104	Teacher Field Experience I	1
PSY 130	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
EDU 260	Life Span Developmental Psychology	3	PSYCH 3310	Developmental Psychology	3
	Education Exceptional Learner	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours			Total Hours
		15			13

Professional Requirements for Teacher Education Program:

Please view all program requirements at <https://teachereducation.mst.edu/secondaryeducation/>.

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.

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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.