

# Ozarks Technical Community College — Missouri S&T

## Chemistry 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.

### 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 <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
<b>Total Hours</b>			<b>Total Hours</b>		
18			18		

#### Mathematics and Sciences

Take all courses.

MTH 140	Analytical Geometry/Calculus I	5	MATH 1214	Calculus I	4
MTH 141	Analytical Geometry/Calculus II	5	MATH 1215	Calculus II	4
CHM 160, 161	General Chemistry	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 170, 171	General Chemistry II	5	CHEM 1320, 1510	General Chemistry II and Qualitative Analysis	5
BIO 100 or BIO 160	Life Science or General Biology I	4	BIO SCI 1113, 1219*	General Biology and Lab* <small>or other biological science Satisfies a biological sciences elective requirement. The lab is not a degree requirement, will transfer as general elective credit.</small>	3
<b>Total Hours</b>			<b>Total Hours</b>		
24			21		

#### Humanities

Select up to 12 hours to include at least one course in each of the three areas of literature, philosophy, and non-performance fine arts (art, music, and theater).

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 Appreciation or Theatre via Video	3
ENG 240 or ENG 241 or ENG 270 or ENG 271 or ENG 260 or Literature	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 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	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Humanities Elective	Other fine art, literature, or philosophy	3	Humanities Elective	Other fine art, literature, or philosophy	3
<b>Total Hours</b>			<b>Total Hours</b>		
12			12		

#### Social Sciences

Select up to 15 hours in two areas to include History 1100 and 1200.

HST 105	Ancient and Medieval World History <small>required</small>	3	HISTORY 1100	Early Western Civilization <small>required</small>	3
HST 106	Modern World History <small>required</small>	3	HISTORY 1200	Modern Western Civilization <small>required</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
PLS 101	American Government and Politics	3	POL SCI 1200	American Government	3
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
HST 120	US History I: to 1865	3	HISTORY 1300	American History to 1877	3
HST 130	US History II: 1865-Present	3	HISTORY 1310	American History since 1877	3
Social Science	Other history, economics, political science, psychology, or sociology	3	Social Science	Other history, economics, political science, psychology, or sociology	3
<b>Total Hours</b>			<b>Total Hours</b>		
15			15		

#### Additional Degree Requirements

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

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
MTH 240	Analytical Geometry/Calculus III	5	MATH 2222	Calculus III	4
PHS 120 or PHY 220	General Physics I (4) or Physics for Engineers and Scientists I (5)	4	PHYSICS 1135 or PHYSICS 1145	Engineering Physics I or College Physics I	4
PHS 130 or PHY 222	General Physics 2 (4) or Physics for Engineers and Scientists II (5)	4	PHYSICS 2135 or PHYSICS 2145	Engineering Physics II or College Physics II	4
MTH 229	Statistics for Engineers and Scientists	3	STAT 3115*	Engineering Statistics* <small>Will be substituted for STAT 3113.</small>	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.  
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