

# Ozarks Technical Community College — Missouri S&T

## Chemistry BA Transfer Guide

Effective as of Fall 2017

### 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
Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)		12	Foreign Language (3 semesters of same language OR 2 semesters of each of two different languages)		12
Total Hours					Total Hours
				18	18

#### Mathematics and Sciences (Take all courses)

MTH 140	Analytical Geometry/Calculus I	5	MATH 1214	Calculus for Engineers I	4
MTH 141	Analytical Geometry/Calculus II	5	MATH 1215	Calculus for Engineers 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
CHM 242	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	5
Total Hours					Total Hours
				20	23

#### Humanities

(Select up to 12 hours to include at least 1 fine art, 1 English, and 1 philosophy)

ART 110 or MUS 101 or THE 101	Art and Experience or Western Music Appreciation or Introduction to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre Appreciation or other fine art	3
ENG 240 or ENG 220	British Literature Beginnings - 1790 or American Literature Beginnings - 1870	3	ENGLISH 1211 or ENGLISH 1221	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or other literature	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Intro to Philosophy or other philosophy	3
<i>See your advisor for course options</i>				Other fine art, literature, or philosophy elective	3
Total Hours					Total Hours
				3	12

#### Social Sciences

(Select up to 12 hours to include History 1100 and 1200)

HST 101	Western Civilization to 1350	3	HISTORY 1100	Early Western Civilization (required)	3
HST 102	Western Civilization 1350 to Present	3	HISTORY 1200	Modern Western Civilization (required)	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 Politics	3	POL SCI 1200	American Government	3
PSY 110	Intro to Psychology	3	PSYCH 1101	General Psychology	3
HST 120	First Americans to War	3	HISTORY 1300	American History to 1877	3
HST 130	Reconstruction to the Present	3	HISTORY 1310	American History since 1877	3
<i>See your advisor for course options</i>				Other economics, political science, psychology, or sociology	3
Total Hours					Total Hours
				6	12

#### Additional Degree Requirements (Select additional courses to total 60 credit hours)

MTH 240	Analytical Geometry/Calculus III	5	MATH 2222	Calculus with Analytic Geometry III	4
PHY 220	Physics for Engineers and Scientists I	5	PHYSICS 1135	Engineering Physics I	4
PHY 222	Physics for Engineers and Scientists II	5	PHYSICS 2135	Engineering Physics II	4
BIO 100	Life Science	4	BIO SCI 1113	General Biology or other life science	3
Total Hours					Total Hours
				13	13

#### 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.