

East Central College — Missouri S&T

Chemistry BA

Transfer Guide Effective as of Fall 2024

East Central College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
Foreign Language	Foreign Language 3 semesters of same language OR 2 semesters of each of two different languages.	12	Foreign Language	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 190	Analytic Geometry & Calculus I	5	MATH 1214	Calculus I	4
MTH 210	Analytic Geometry & Calculus II	5	MATH 1215	Calculus II	4
CHM 111	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II and Lab	5	CHEM 1320,1510	General Chemistry II and Qualitative Analysis	5
Total Hours			Total Hours		
20			18		

Humanities

Select up to 9 hours to include at least one literature course.

ENG 210 or ENG 221 or ENG 124 or ENG 214 or ENG 215	Survey British Lit: Beginnings - 1784 or Survey American Lit: Beginnings - 1865 or World Literature I or Women's Literature or African-American Literature or other literature elective	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature or other literature	3
ART 101 or MUS 101 or THE 101	Art Appreciation or Music Appreciation or Theatre Appreciation (or other fine art)	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video or other fine art	3
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
Humanities Elective	Other fine art, literature, or philosophy	3	Humanities Elective	Other fine art, literature, or philosophy	3
Total Hours			Total Hours		
9			9		

Social Sciences

Select up to 12 hours in two areas to include History 1100 and 1200.

CIV 201	European Civilization I	3	HISTORY 1100	Early Western Civilization required	3
CIV 202	European Civilization II	3	HISTORY 1200	Modern Western Civilization required	3
ECO 102 or ECO 101	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSC 102	US Government I: National and State	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
HST 101	US History to 1877	3	HISTORY 1300	American History to 1877	3
HST 102	US History Since 1877	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
Total Hours			Total Hours		
12			12		

Additional Degree Requirements

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

CHM 205	Organic Chemistry I and Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 206	Organic Chemistry II and Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
MTH 220	Analytical Geometry and Calculus III	5	MATH 2222	Calculus III	4
PHY 211, 212	General Physics I and Lab	5	PHYSICS 1135	Engineering Physics I	4
PHY 221, 222	General Physics II and Lab	5	PHYSICS 2135	Engineering Physics II	4
MTH 242	Engineering Statistics	3	STAT 3115	Engineering Statistics Will be substituted for STAT 3113.	3

Maximum credit hours to be transferred to Missouri S&T degree requirements.

61

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.