East Central College — Missouri S&T

Chemistry BS

Transfer Guide Effective as of Fall 2024

East Central College			Missouri S&T		
	Со		cation Skills		
T 110 101			ll courses.	E-marification of Assessments for	0
ENG 101 ENG 102 or	English Composition II or	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 01 ENG 104	English Composition II or Technical Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
LING 104	Total Hours	6	LINGLIGIT 5500	Total Hours	6
	Math	ematic	s and Science		
			Il 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
MTH 220	Analytical Geometry & Calculus III	5	MATH 2222	Calculus III	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 Qualitatve Analysis	5
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	3
	Total Hours	38		Total Hours	33
		Social	Sciences		
Select up to 9 credit hours to include one course to satisfy Missouri state requirement.					
CIV 202 or	European Civilization II or		HISTORY 1200 or	Modern Western Civilization or	
HST 101 or	US History to 1877 or		HISTORY 1300 or	American History to 1877 or	
HST 102 or	US History Since 1877or	3	HISTORY 1310 or	American History Since 1877 or	3
PSC 102	US Government I: National and State		POL SCI 1200	American Government	
	At least one of these courses is required to satisfy a State of Missouri requirement.			At least one of these courses is required to satisfy Missouri state requirement.	
E00 400 ···	Principles of Microeconomics or		ECON 1100 or	Principles of Microeconomics or	
ECO 102 or ECO 101	Principles of Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
	or other economics course			or other economics course	
PSY 101	General Psychology or other psychology course	3	PSYCH 1101	General Psychology or other psychology course	3
Social Science	Other economics, history, political science, sociology,	3	Social Science	Other economics, history, political science, sociology,	3
	psychology elective. Total Hours	9		psychology elective. Total Hours	9
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			anities		
ENC 040 en	Company Pariticle Life Province on A704 on	Select	6 hours.	Ditial Literature I. The Periodical and to 4000 an	
ENG 210 or ENG 221 or	Survey British Lit: Beginnings - 1784 or Survey American Lit: Beginnings - 1865 or		ENGLISH 1211 or ENGLISH 1221 or	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or	
ENG 221 01 ENG 124 or	World Literature I or	3	ENGLISH 1221 or	World Literature I or	3
ENG 214 or	Women's Literature or	3	ENGLISH 2242 or	Literature by Women or	3
ENG 215	African-American Literature		ENGLISH 2245	African American Literature	
ART 101 or	Art Appreciation or		ART 1180 or	Art Appreciation or	
MUS 101 or	Music Appreciation or	2	MUSIC 1150 or	Music Appreciation or	2
THE 101	Theatre Appreciation	3	THEATRE 1190	Theatre via Video	3
	or other art, music, or theatre			or other art, music, or theatre	
PHL 101	Introduction to Philosophy or other philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy or other philosophy	3
Humanities	Other fine art, literature, or philosophy	3	Humanities	Other fine art, literature, or philosophy	3
	Total Hours	6		Total Hours	6
	Addition	al Deg	ree Requirements		
	Select additional courses to total u	up to the	maximum transfer cre	edit 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
EGR 221, 222	C++ Program Engineers	4	CS 1971, 1981*	Intro to Programming Methodology and Lab* *Will be substituted for CS 1500	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.

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2024. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.