## St. Charles Community College — Missouri S&T

Geology and Geophysics BS Transfer Guide Effective as of Fall 2025

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

St. C	Charles	Community	v College
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## Missouri S&T

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		mmur	nication Skills		
			all courses.		
ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or	English Composition II or	-	ENGLISH 1160 or	Writing and Research or	
ENG 115 or	Technical Writing or	3	ENGLISH 3560 or	Technical Writing or	3
COM 106	Public Speaking	Ü	SPMS 1185	Principles of Speech	Ü
	Total Hours	s 6	51 III 5 1 1 5 5	Total Hours	6
			cs and Science		
	Mati				
MAT 400			all courses.		
MAT 180	Calculus and Analytic Geometry I	5	MATH 1214	Calculus I	4
MAT 230 CHM 115	Calculus and Analytic Geometry II General Chemistry I	5 5	MATH 1215 CHEM 1310, 1319	Calculus II General Chemistry I and Lab	4 5
PHY 250	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 251	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
	,		GEOLOGY 1110		
PHY 125	Intro to Physical Geology	3	(GEO ENG 1150)	Physical and Environmental Geology	3
CPT 135 or	Computer Science 1 with Python (4) or		(========		
CPT 185 or	Programming in C Sharp (3) or	3	CS 1500	Computational Problem Solving	3
CPT 189	Java Programming (3)			3	
	Total Hours	s 31		Total Hours	27
	Humanities, Arts, and Socia	I Scie	nces General Education	Requirements	
	Humanities, Arts, and Socia	ii ociei	ilces General Education	requirements	
	From the ontions listed i	n each	group below, select 15 hours	to include	
			from at least two specific discip		
			nces from at least two specific discip		
*At l	least one course must be selected from HISTORY 1200, 13				
Αι.	icast one course mast be selected from tho force 1200, it	00, 1510	7, 01 1 02 001 1200 to satisfy th	e otate of missouri government requirement.	
	Hu	manitie	s and Fine Arts		
	Select 6 hours	from at I	least two specific disciplines.		
LIT 250 or	English Literature Before 1800 or		ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
LIT 260 or	English Literature After 1800 or		ENGLISH 1212 or	British Literature II: 1800 to Present	
LIT 210 or	American Literature From Beginnings-1865 or		ENGLISH 1221 or	American Literature: 1600 to 1865 or	
LIT 220 or	American Literature From 1865-Present or		ENGLISH 1222 or	American Literature: 1865 to Present or	
LIT 272 or	World Literature-Ancient World thru Renaissance or		ENGLISH 1231 or	World Literature I: Beginnings to the Renaissance or	
HIS 101* or	US History to 1877* or	6	HISTORY 1300* or	American History to 1877 or	6
HIS 102* or	US History Since 1877* or		HISTORY 1310* or	American History Since 1877 or	
ART 1001 or	Art Appreciation or		ART 1180 or	Art Appreciation or	
MUS 111 or	Music Appreciation or		MUSIC 1150 or	Music Understanding and Appreciation or	
THE 122	Intro to the Theatre *Satisfies the State of Missouri government requirement.		THEATRE 1150	Theatre for Social Change *Satisfies the State of Missouri government requirement	
		ioral ar	nd Social Sciences	Cationes the state of missouri government requirement	
			least two specific disciplines.		
HIS 145 or	Western Civilizations Ancient and Medieval or	ii Oiii at i	HISTORY 1100 or	Early Western Civilization or	
HIS 146* or	Western Civilizations Modern European* or		HISTORY 1200* or	Modern Western Civilization* or	
GEO 110 or	Geography for Educators or		HISTORY 2110 or	World Regional Geography or	
PHL 101 or	Intro to Philosophy or		PHILOS 1105 or	Self and World: Intro to Philosophy or	
PHL 102 or	Intro to Logic or		PHILOS 1115 or	Logic and Reasoning: An Introduction or	
POL 101* or	American Government* or	6	POL SCI 1200* or	American Government* or	6
PSY 101 or	Intro to Psychology or		PSYCH 1101 or	General Psychology or	
ECO 120 or	Principles of Microeconomics or		ECON 1100 or	Principles of Microeconomics or	
ECO 110 or	Principles of Macroeconomics or		ECON 1200 or	Principles of Macroeconomics or	
Foreign Language	Elementary or Intermediate Foreign Language		Foreign Language	Elementary or Intermediate Foreign Language	
	*Satisfies the State of Missouri government requirement.			*Satisfies the State of Missouri government requirement.	
	Humaniti	es, Arts	, and Social Sciences		
		Selec	ct 3 hours.		
	Humanitias Arts Casial Caianasa Flactivas Any history			Humanities, Arts, Social Sciences Elective: Any history,	
	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication,			art, music, theater, English and technical communication,	
HASS Elective	philosophy, political science, psychology, economics,	3	HASS Elective	philosophy, political science, psychology, economics,	3
	etymology, or foreign language.			etymology, or foreign language.	
	etymology, or foreign language.			etymology, or foreign language.	
	Total Hours	i 15		Total Hours	15
	Addition	nal Dec	gree Requirements		
	Select additional courses to total			urs shown below.	
		•		Calculus III	
MAT 240	Calculus and Analytical Geometry III	5	MATH 2222	Applies to the degree as a required science/engineering elective.	4
MAT 250	Differential Equations	2	MATH 2204	Elementary Differential Equations	2
MAT 250	Differential Equations	3	MATH 3304	Applies to the degree as a required science/engineering elective.	3
				General Chemistry II (3) and Qualitative Analysis (2)	
CHM 116	General Chemistry II and Lab	5	CHEM 1320, 1510*	Applies to the degree as a required science/engineering elective.	3
				*CHEM 1510 is not a degree requirement, transfers as general elective credit.	
GEO 120	Intro to Geographic Information Systems	3	GEOLOGY 3811	Fundamentals of Geographic Information Systems	3
OLO 120	indo to ocograpino information dystems	3	3202001 0011	Applies to the degree as a required geology/geophysics elective.	3
BIO 105	Essentials of Biology	3	BIO SCI 1113	General Biology	3
	<del></del>			Applies to the degree as a required science elective.	
Science, Math, Engineering	Other science, mathematics, or engineering course.	3	Science, Math, Engineering	Other science, mathematics, or engineering course.	3
		3			
	Movimum avadit harms to be transf	orrod (	o Miccouri COT down	requiremente	60
	Maximum credit hours to be transf	errea t	o wiissouri sa i degree	requirements.	62
	Miccouri C&T residency requirements: The least	60 hours	ot any Miccouri CPT dogram would be	o completed at Missouri C&T	

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 2025. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.