Metropolitan Community College — Missouri S&T

Physics BS Transfer Guide Effective as of Fall 2023

	Metropolitan Community College			Missouri S&T	
<u>.</u>		unicat	ion Skills (Take all c		
ENGL 101	Composition and Reading I	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 101 ENGL 102	Composition and Reading I	3	ENGLISH 1160	Writing and Research	3
ENGL 102	Total Hours	6	ENGLISH 1100	Total Hours	
			nd Science (Take all		5 0
			<u></u>	-	
MATH 180	Analytic Geometry & Calculus I	5	MATH 1214	Calculus I	4
MATH 190	Analytic Geometry & Calculus II	5	MATH 2215	Calculus II	4
MATH 210	Analytic Geometry & Calculus III General College Chemistry I	4	MATH 2222	Calculus III	4 5
CHEM 111 CHEM 112	General College Chemistry II	5 5	CHEM 1310, 1319 CHEM 1320	General Chemistry I and Lab General Chemistry II	3
PHYS 220	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 221	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
11110221	Total Hours	34	11110100 2100	Total Hours	
	· otal···ouro		Social Sciences	, otal 110 and	
	Select 9 hours to include			isfy the state requirement.	
HIST 134 or	Western Civilization II or		HISTORY 1200 or	Modern Western Civilization or	
HIST 120 or	United States History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HIST 121 or	United States History since 1865 or	3	HISTORY 1310 or	American History Since 1877 or	3
POLS 136	Introduction to American Politics	3	POL SCI 1200	American Government	3
	(At least one of these courses is required to satisfy state requirement)			(At least one of these courses is required to satisfy state requirement)	
ECON 211 or	Microeconomics or		ECON 1100 or	Principles of Microeconomics or	
ECON 210	Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
	(or other economics)		200.1.200	(or other economics)	
PSYC 140	General Psychology (or other psychology)	3	PSYCH 1101	General Psychology (or other psychology)	3
	Social Sciences Elective: Any economics,			Social Sciences Elective: Any economics, history,	
	history, political science, sociology, psychology elective	3	Social Sciences	political science, sociology, psychology elective	3
	Total Hours	9		Total Hours	9
			Humanities		
	Select 6 cred	it hour	s to include at least	one literature.	
PHIL 100	Introduction to Philosophy (or other philosphy)	3	PHILOS 1105	Self and World: Intro to Philosophy (or other philosophy)	3
ART 108	Survey of Art (or other art)	3	ART 118	Art Appreciation (or other fine art)	3
MUSI 108	Music Appreciation (or other music)	3	MUS 1150	Music Understanding and Appreciation	3
				(or other music)	
SPDR 106	Theatre Appreciation (or other theatre)	3	THEATRE 1190	Theatre via Video (or other theatre)	3
ENGL 220 or	British Literature to 1750 or		ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
ENGL 222 or ENGL 254 or	American Literature I or World Literature I or		ENGLISH 1221 or ENGLISH 1231 or	American Literature: 1600 to 1865 or	
ENGL 254 01 ENGL 268 or	Women's Literature or	3	ENGLISH 2242 or	World Literature I or Literature by Women or	3
ENGL 260	African-American Literature		ENGLISH 2245 or	African American Literature	
2.102 200	(or other literature elective)		211021011221001	(or other literature elective)	
	Other fine art, literature, or philosophy elective			Other fine art, literature, or philosophy elective	
	Total Hours	6		Total Hours	s 6
			al Degree Requireme		, ,
			•	nsfer credit hours shown below.	
MATH 230	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
CSIS 271 or	Data Structures and Algorithm Analysis or		00.4500	•	
CSIS 123 or	Programming Fundamentals or	3	CS 1500 or	Computational Problem Solving or	3
CSIS 223	Object-Oriented Programming With C++		CS 1972, 1982	Intro to MATLAB Programming and Lab	
	Maximum Free Electives	6		Maximum Free Electives	6
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 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.