Mineral Area College — Missouri S&T Computer Science BS Transfer Guide Effective as of Fall 2023

Mineral Area College Missouri S&T					
	Communic	cation	Skills and (Take all	courses)	
ENG 1330	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 1340	English Composition	3	ENGLISH 1160	Writing and Research	3
ENG 1440	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	9
	Computer Science,	Mathe	matics, and Science	(Take all courses)	
CSC 1100* or	Programming Logic (preferred) or		CS 1500* or	Computational Problem Solving* (preferred) or	
CSC 1600* or	C# Programming (preferred) or		CS 1971,1981*	Intro to Programming Methodology and Lab*	
CSC 2400*	Computer Programming in C++	3		*CS 1500 is preferred; CS 1971,1981 will be accepted in lieu of CS 1500 if	3
	CSC 1100 or CSC 1600 are preferred; CSC 2400 will be accepted in Lieu of 1100/1600 if necessary			necessary.	
NAT 4050	·	-			
MAT 1650	Analytical Geometry and Calculus I	5	MATH 1214	Calculus I	4
MAT 2150	Analytical Geometry and Calculus II	5	MATH 1215	Calculus II	4
PHS 2230	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHS 2240	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
PHS 1350 or	General Chemistry I or		CHEM 1310, 1319 or	General Chemistry I (4) and Lab (1) or	
BIO 1150 or	General Biology or		BIO SCI 1113, 1219 or	General Biology (3) and Lab (1) or	
BIO 2212 or	General Zoology or	5	BIO SCI 2353, 2359 or	Zoology (3) and Lab (1) or	5
BIO 2112	General Botany		BIO SCI 2383, 2389	Plant Biology (3) and Lab (1)	
	Total Hours	26		Satisfies science lecture/lab requirement.	24
			ring/Soionee Flootive	Total Hours	24
			ring/Science Elective		
Select up to 6				another degree requirement. See Approved S	Science
	and Engineering Electi	ves at	https://cs.mst.edu/u	ndergraduate-degree/	
MAT 2250 or	Analytical Geometry and Calculus III or		MATH 2222 or	Calculus III or	
MAT 1650	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
		-		Or other math 2000-level or higher or Any statistics 4000-level or higher	Ŭ
EGN 2130 or	Engineering Mechanics-Statics or		CIV ENG 2200 or	Statics or	
EGN 2230 or	Engineering Mechanics-Otatics or		MECH ENG 2350 or	Engineering Mechanics-Dynamics (2) or	
EGN 2340	Intro to Electrical Engineering	3	ELEC ENG 2800	Circuit Analysis	3
	3 3	•		Or other course with the equivalent of a Missouri S&T engineering	
				designation.	
	Any biology, chemistry, geology, or environmental			Any biology, chemistry, geology, or environmental	3
	science.			science.	3
	Any physics excluding the equivalent of S&T PHYS			Any physics excluding the equivalent of S&T PHYS 2111,	3
	2111, 2119, 2135, and 2145.			2119, 2135, and 2145.	
	Total Hours	6		Total Hours	6
	Social Sciences (Select 9 credit	hours	to include one cours	se to satisfy state requirement)	
HIS 1140 or	Western Civilization II or		HISTORY 1200 or	Modern Western Civilization or	
HIS 1230 or	American History I or		HISTORY 1300 or	American History to 1877 or	
HIS 1240 or	American History II or	3	HISTORY 1310 or	American History Since 1877 or	3
POS 1180	American Political Systems	3	POL SCI 1200	American Government	3
	(At least one of these courses is required to satisfy state			(At least one of these courses is required to satisfy state requirement)	
DUI 0040	requirement)		FOON 4400	D: :1 (1)	
BUS 2940 or BUS 2930	Principles of Microeconomics or	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
BUS 2930	Principles of Macroeconomics (or upper-level economics	3	ECON 1200	(or upper-level economics)	3
PSY 1130	General Psychology I (or upper-level psychology)	3	PSYCH 1101	General Psychology (or upper-level psychology)	3
BUS 2100 or	,		BUS 1110 or	Intro to Management and Entrepreneurship or	
BUS 2050 or	Fundamentals of Management or		BUS 1210 or	Financial Accounting or	
BUS 2530	Principles of Accounting II or	3	BUS 2910	Business Law	3
	Legal Environment of Business (or other approved business course; see Social Sciences Approved	3		(or other approved business course; see Social Sciences Approved Electives	3
	(or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/)			at https://cs.mst.edu/undergraduate-degree/)	
	Other economics, history, political science,			Other economics, history, political science, psychology,	
	psychology, business elective from the Social Sciences Approved Electives at	3		business elective from the Social Sciences Approved	3
	https://cs.mst.edu/undergraduate-degree/			Electives at https://cs.mst.edu/undergraduate-degree/	
	Total Hours	9		Total Hours	9
	. I I I I I I I I I I I I I I I I I I I		anities and Ethics		
(Select one humanities and one ethics course)					
DUI 1400	•			· · · · · · · · · · · · · · · · · · ·	2
PHI 1400 COM 1060	Intro to Philosophy Intro to Cinema	3	PHILOS 1105 ART 1185	Self and World: Intro to Philosophy Study of Film	3
MUS 1630	Appreciation of Music	3	MUS 1150	Music Understanding and Appreciation	3
THE 1000	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
ENG 2330 or	English Literature I or	, i	ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
ENG 2430 or	American Literature I or	3	ENGLISH 1221 or	American Literature: 1600 to 1865 or	3
ENG 2492	Women's Literature	3	ENGLISH 2242	Literature by Women	3
	(or other literature elective)			(or other literature elective)	
Foreign Language	Any foreign language	3	Foreign Language	Any foreign language	3
	Other humanities elective from the list of approved courses.	3		Other humanities elective from the list of approved courses.	3
	Total Hours	6		Total Hours	6
			I Degree Requiremen		
	Select additional courses to total		o the maximum trans		
	Maximum Free Electives	8		Maximum Free Electives	8
	Maximum credit hours to be tra	nsferr	ed to Missouri S&T o	degree requirements.	68
	Missouri S&T residency requirements: The	e last 60	hours of any Missouri S&T dea	ree 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 pu	ublished by Missouri University of Science and Technology and is in effect	as of Fall 2		re available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@	mst.edu, or
			800-522-0938.		