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

Moberly Area Community College			Missouri S&T		
Communication Skills and (Take all courses)					
LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	Composition II	3	ENGLISH 1160	Writing and Research	3
SPK 101	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	9
Computer Science, Mathematics, and Science (Take all courses)					
ITC 125 oror	Object Oriented Programming I or		CS 1500 or	Computational Problem Solving (preferred) or	
ITC 243 or	Object- Oriented Programming II: Java or		CS 1500 or	Computational Problem Solving (preferred) or	
ITC 244 or	Object Oriented Programming : C# or	3	CS 1500 or	Computational Problem Solving (preferred) or	3
ITC 247 or	Python Programming or		CS 1500 or	Computational Problem Solving (preferred) or	
ITC 220*	Programming II*		CS 1971,1981*	Intro to Programming Methodology and Lab*	
				*CS 1500 is preferred; CS 1971,1981 will be accepted in lieu of CS 1500 if necessary.	
MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4
PHY 201	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
PHY 121 or	General Chemistry I (5) or		CHEM 1310, 1319 or	General Chemistry I (4) and Lab (1) or	
BIO 101 or	Biology (4) or		BIO SCI 1113, 1219 or	General Biology (3) and Lab (1) or	
BIO 160 or	General Biology for Majors II (4) or	4	BIO SCI 1223, 1229 or	Biodiversity (3) and Lab (1) or	4
BIO 150 or	General Zoology (5) or		BIO SCI 2353, 2359 or	Zoology (3) and Lab (1) or	
BIO 151	Introductory Plant Biology (5)		BIO SCI 2383, 2389	Plant Biology (3) and Lab (1)	
				Satisfies science lecture/lab requirement.	
	Total Hours	27		Total Hours	23

Engineering/Science Electives
Select up to 6 hours in engineering/science electives not already used to satisfy another degree requirement. See Approved Science and Engineering Electives at https://cs.mst.edu/undergraduate-degree/

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MTH 203 or	Analytic Geometry and Calculus III (5) or		MATH 2222 or	Calculus III or	
MTH 250	Differential Equations (3)	3	MATH 3304	Elementary Differential Equations	3
	Or other math 2000-level or higher or			Or other math 2000-level or higher or	
	Any statistics 4000-level or higher			Any statistics 4000-level or higher	
EGN 201	Statics	3	CIV ENG 2200	Statics	3
				Or other course with the equivalent of a Missouri S&T engineering designation.	
	Any biology, chemistry, geology, or environmental science.	3		Any biology, chemistry, geology, or environmental science.	3
	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3		Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3
	Total Hours	6		Total Hours	6
Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)					
HST 102 or	Western Civilization II or		HISTORY 1200 or	Modern Western Civilization or	
HST 105 or	American History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HST 106 or	American History fromn 1865 or	3	HISTORY 1310 or	American History Since 1877 or	3
PSC 105	Intro to American Government		POL SCI 1200	American Government	
	(At least one of these courses is required to satisfy state requirement)			(At least one of these courses is required to satisfy state requirement)	
ECN 102 or	Microeconomics or	3	ECON 1100 or	Principles of Microeconomics or	3
ECN 101	Macroeconomics		ECON 1200	Principles of Macroeconomics (or upper-level economics)	
PSY 101	General Psychology	3	PSYCH 1101	General Psychology (or upper-level psychology)	3
ACC 101	Elementary Accounting I	3	BUS 1210	Financial Accounting (or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/)	3
	Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3		Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3
	Total Hours	9		Total Hours	9

Humanities and Ethics
(Select one humanities and one ethics course)

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PHI 150	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
LAL 160	Intro to Film Studies	3	ART 1185	Study of Film	3
MUS 101 or	Fundamentals of Music or	3	MUS 1150	Music Understanding and Appreciation	3
MUS 102	Music Appreciation				
DRM 120	Theatre Appreciation	3	THEATRE 1190	Theatre via Video	3
LAL 150 or	English Literature Survey to 1750 or		ENGLISH 1211 or	British Literature I: The Beginnings to 1800 or	
LAL 120 or	American Literature Survey to 1870 or		ENGLISH 1221 or	American Literature: 1600 to 1865 or	
LAL 210 or	A Survey of World Literature I or	3	ENGLISH 1231 or	World Literature I or	3
LAL 255 or	Women's Literature or		ENGLISH 2242 or	Literature by Women or	
LAL 125	African-American Literature		ENGLISH 2245	African American Literature	
Foreign Language	Any foreign language		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

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

	Maximum Free Electives	8		Maximum Free Electives	8

Maximum credit hours to be transferred to Missouri S&T degree requirements. | **68**

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.