St. Louis Community College — Missouri S&T Computer Science BS

	St. Louis Community College			Missouri S&T	
	Co	mmun	ication Skills		
NO 404	College Companition I		Il courses.	Function and Assumentation	Ш,
NG 101 NG 102	College Composition I College Composition II	3	ENGLISH 1120 ENGLISH 1160	Exposition and Argumentation Writing and Research	3
OM 107	Public Speaking	3	SPMS 1185	Principles of Speech	3
	Total Hours	9		Total Hours	9
	Computer Scie		athematics, and Scie	nce	
11.040	Di a Malia di		ill courses.		
TH 212 IC 101 or	Discrete Mathematics Scientific Computer Programming (3) or	3	CS 1200 CS 1500* or	Discrete Mathematics for Computer Science Computational Problem Solving* (preferred) or	;
167 or	C++ Programming I (4) or		CS 1500* or	Computational Problem Solving* (preferred) or	
187 or	Java Programming I (4) or		CS 1500* or	Computational Problem Solving* (preferred) or	
280 or 267	Python (3) or C++ Programming II (4)	3	CS 1500* or CS 1971,1981*	Computational Problem Solving* (preferred) or Intro to Programming Methodology and Lab*	;
201	C++ Flogramming ii (4)		CS 1971,1901	*CS 1500 is preferred; CS 1971,1981 will be accepted in lieu of CS 1500 if	
TI 040	Analytical Consents and Colombia	_	MATHADAA	necessary.	
TH 210 TH 220	Analytical Geometry and Calculus I Analytical Geometry and Calculus II	5 5	MATH 1214 MATH 1215	Calculus I Calculus II	4
H 215	Linear Algebra	3	MATH 3108	Linear Algebra	;
IY 122	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	
Y 223	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	
HM 105 or O 111 or	General Chemistry I (5) or Introductory Biology I (4) or		CHEM 1310, 1319 or BIO SCI 1113, 1219 or	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or	
O 141 or	Principles of Biology I (5) or	-	BIO SCI 1113, 1219 or	Biodiversity (3) and Lab (1) or	
O 124	General Botany I (4)	5	BIO SCI 2383, 2389	Plant Biology (3) and Lab (1)	·
				Satisfies the 5-hour science lecture/lab requirement. Credit hours apply to degree totals as indicated for each course.	
	Total Hours	34		Total Hours	3
	Engine	ering/S	Science Electives		
Select up	to 6 hours in engineering/science electives not already used	to satisf	y another degree requireme	ent. See Approved Science and Engineering Electives at	
			undergraduate-degree/		
	Applytical Coometry and Calculus III or			Calculus III (4) or	
ΓH 230 or	Analytical Geometry and Calculus III or Differential Equations	5	MATH 2222 or	Elementary Differential Equations (3) Or other math 2000-level or higher or	
TH 240	Or other math 2000-level or higher or	5	MATH 3304	Any statistics 4000-level or higher	
	Any statistics 4000-level or higher			Satisfies the 3-hour science lecture/lab requirement. Credit hours apply to degree totals as indicated for each course.	
C 203 or	Engineering Statics or		CIV ENG 2200 or	Statics or	
SC 204 or SC 205 or	Engineering Dynamics or Mechanics of Materials or		MECH ENG 2350 or CIV ENG 2210 or	Engineering Mechanics-Dynamics (2) or Mechanics of Materials or	
C 207 or	Engineering Thermodynamics or		MECH ENG 2519 or	Thermodynamics or	
C 200	Engineering Circuits I		ELEC ENG 2800	Electrical Circuits	
	Or other course with the equivalent of a Missouri S&T engineering designation.			Or other course with the equivalent of a Missouri S&T engineering designation.	
ience	Any biology, chemistry, geology, or environmental	3	Science	Any biology, chemistry, geology, or environmental	
	science. Any physics excluding the equivalent of S&T PHYS			science. Any physics excluding the equivalent of S&T PHYS	
nysics	2111, 2119, 2135, and 2145.	3	Physics	2111, 2119, 2135, and 2145.	
			e requirements. Any additional credit hou	urs apply to degree totals as general elective credit.	
	Total Hours	6 Social	Sciences	Total Hours	
	Splace 0 gradit hours to it		ne course to satisfy state re	autroment	
ST 128 or	Western Civilization 1500 to Present or	iciade oi	HISTORY 1200 or	Modern Western Civilization or	
ST 101 or	US History to 1865 or		HISTORY 1300 or	American History to 1877 or	
ST 102 or SC 101	US History 1865 to Present or	3	HISTORY 1310 or	American History Since 1877 or American Government	:
SC 101	Intro to American Politics At least one of these courses is required to satisfy state requirement.		POL SCI 1200	At least one of these courses is required to satisfy state requirement.	
CO 152 or	Dringiples of Microsopopopies or		ECON 1100 or	Deleviate of Missessessies of	
CO 152 01	Principles of Microeconomics or Principles of Macroeconomics or upper-level economics	3	ECON 1100 01 ECON 1200	Principles of Microeconomics or Principles of Macroeconomics or upper-level economics	;
SY 200	General Psychology (or upper-level psychology)	3	PSYCH 1101	General Psychology or upper-level psychology	
GT 204 or	Business Organization & Management (3) or		BUS 1110 or	Intro to Management and Entrepreneurship or	
CC 110 or .W 101	Financial Accounting I (4) or Business Law I (3)	3	BUS 1210 or BUS 2910	Financial Accounting or Business Law	
** 101	or other approved business course; see Social Sciences Approved Electives at		500 2510	or other approved business course; see Social Sciences Approved Electives at	
	https://cs.mst.edu/undergraduate-degree/			https://cs.mst.edu/undergraduate-degree/	
icial Science	Other economics, history, political science, psychology, business elective from the Social Sciences Approved	3	Social Science	Other economics, history, political science, psychology, business elective from the Social Sciences Approved	
ciai Science	Electives at https://cs.mst.edu/undergraduate-degree/	3	Social Science	Electives at https://cs.mst.edu/undergraduate-degree/	
		0		Total Hours	
	Total Hours				
	Total Hours	9 manitie	es and Ethics		
	Hu	manitie	es and Ethics	rse.	
IL 112	Hu Select one human	manitie	es and Ethics one upper-level ethics cou PHILOS 3235	Business Ethics or other upper-level ethics elective.	
	Hu Select one human Business Ethics or other upper-level ethics elective	manitie ities and 3	one upper-level ethics cou PHILOS 3235	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required.	
HL 101 CM 130	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation	manities and 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film	;
HL 101 DM 130 JS 114	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation	manities and 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation	;
IL 101 CM 130 JS 114 IT 101	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre	manities and 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Phillosophy Study of Film Music Understanding and Appreciation Theatre via Video	;
HL 101 CM 130 JS 114 HT 101 JG 211 or	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation	manities and 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation	;
HL 101 CM 130 JS 114 HT 101 NG 211 or NG 204 or NG 231 or	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature II or American Literature I or World Literature or	manities and 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1231 or	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or	:
HL 101 CM 130 JS 114 HT 101 NG 211 or NG 204 or NG 231 or NG 216 or	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature II or American Literature I or World Literature or Women in Literature or	manities and 3 3 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 1231 or ENGLISH 2242 or	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or	;
HL 112 HL 101 CM 130 US 114 HT 101 NG 211 or NG 204 or NG 231 or NG 236 or	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature II or American Literature I or World Literature or Women in Literature or Major Black Writers	manities and 3 3 3 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 2242 or ENGLISH 2245 or	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature	;
HL 101 CM 130 US 114 HT 101 NG 211 or NG 204 or NG 231 or NG 216 or	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature II or American Literature I or World Literature or Women in Literature or Major Black Writers Any foreign language	manitie ities and 3 3 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 1231 or ENGLISH 2242 or	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature Any foreign language	
HL 101 CM 130 US 114 HT 101 NG 2111 or NG 204 or NG 231 or NG 216 or NG 217	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature II or American Literature I or World Literature or Women in Literature or Major Black Writers	manities and 3 3 3 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 2242 or ENGLISH 2245 or	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature	
IL 101 CM 130 US 114 ITT 101 IG 211 or IG 204 or IG 231 or IG 236 or IG 217 reign Language	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature II or American Literature I or World Literature or Women in Literature or Major Black Writers Any foreign language Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	manitie ities and 3 3 3 3 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or Foreign Language	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature Any foreign language Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	:
L 101 M 130 IS 114 T 101 G 211 or G 204 or G 231 or G 231 or G 216 or G 217	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature I or American Literature I or World Literature or Women in Literature or Major Black Writers Any foreign language Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	manitie ities and 3 3 3 3 3 3 3 3 3	one upper-level ethics cou PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 2242 or ENGLISH 2242 or ENGLISH 2242 or Foreign Language Humanities	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature Any foreign language Other humanities elective from the list of approved	:
L 101 M 130 S 114 T 101 G 211 or G 204 or G 231 or G 231 or G 216 or G 217 eign Language	Hu Select one human Business Ethics or other upper-level ethics elective Intro to Philosophy Film Appreciation Music Appreciation Intro to Theatre British Literature I or American Literature I or World Literature or Women in Literature or Major Black Writers Any foreign language Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	manities and 3 3 3 3 3 3 3 4 3 a 6 nal Deg	one upper-level ethics could philos 3235 PHILOS 3235 PHILOS 1105 ART 1185 MUS 1150 THEATRE 1190 ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1221 or ENGLISH 2242 or ENGLISH 2242 or ENGLISH 2245 or Foreign Language Humanities	Business Ethics or other upper-level ethics elective. At least one upper-level ethics course is required. Self and World: Intro to Philosophy Study of Film Music Understanding and Appreciation Theatre via Video British Literature II: 1800 to Present or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature Any foreign language Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	:

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 800-522-0838.