

Crowder College — Missouri S&T

Computer Science BS Transfer Guide

Effective as of Fall 2023

Crowder College

Missouri S&T

Communication Skills and (Take all courses)

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102	Advanced English Composition	3	ENGLISH 1160	Writing and Research	3
COMM 104	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			9

Computer Science, Mathematics, and Science (Take all courses)

CMP 111	Intro to Computer Science	4	CS 1500	Computational Problem Solving	3
MATH 150, 160	Calculus I Part I and II	5	MATH 1214	Calculus I	4
MATH 201	Calculus II	5	MATH 1215	Calculus II	4
PHYS 190	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 210	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
CHEM 111 or BIOL 101 or BIOL 110 or BIOL 120	General Chemistry (4) or General Biology (5) or General Zoology (5) or General Botany (5)	4	CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 2353, 2359 or BIO SCI 2383, 2389	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Zoology (3) and Lab (1) or Plant Biology (3) and Lab (1) Satisfies science lecture/lab requirement.	4
		Total Hours			Total Hours
		28			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/>

MATH 202 or MATH 210	Calculus III (5) or Differential Equations (3) Or other math 2000-level or higher or Any statistics 4000-level or higher	3	MATH 2222 or MATH 3304	Calculus III or Elementary Differential Equations Or other math 2000-level or higher or Any statistics 4000-level or higher	3
PHYS 250 or	Statics Or other course with the equivalent of a Missouri S&T engineering designation.	3	CIV ENG 2200	Statics Or other course with the equivalent of a Missouri S&T engineering designation.	3
	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			Total Hours
		6			6

Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

HIST 102 or HIST 106 or HIST 107 or PLSC 103	Western Civilization II or U.S. History I or U.S. History II or National, State, Local Government	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government (At least one of these courses is required to satisfy state requirement)	3
ECON 202 or ECON 201	Principles of Economics II (Micro) or Principles of Economics I (Macro)	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics (or upper-level economics)	3
PSYC 101	General Psychology	3	PSYCH 1101	General Psychology (or upper-level psychology)	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			Total Hours
		9			9

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

PHIL 101	Intro to Western Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
MUSC 101	Music Appreciation	3	MUS 1150	Music Understanding and Appreciation	3
TA 205	Intro to Theatre	3	THEATRE 1190	Theatre via Video	3
ENGL 240 or ENGL 230 or ENGL 222 or Foreign Language	British Literature I or Survey of American Literature I or World Literature I Any foreign language Other humanities elective from the list of approved courses.	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I	3
		3	Foreign Language	Any foreign language Other humanities elective from the list of approved courses.	3
		Total Hours			Total Hours
		6			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
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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.