

Crowder College — Missouri S&T

Computer Science BS

Transfer Guide Effective as of Fall 2024

Crowder College

Missouri S&T

Communication Skills

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					9
				Total Hours	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)	5	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)	5
Total Hours					29
				Total Hours	24

Satisfies the 5-hour science lecture/lab requirement. Credit hours apply to degree totals as indicated for each course.

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 (4) or Elementary Differential Equations (3) Or other math 2000-level or higher or 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.	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
Science	Any biology, chemistry, geology, or environmental science.	3	Science	Any biology, chemistry, geology, or environmental science.	3
Physics	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3	Physics	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145.	3
*A maximum of 6 hours applies to engineering/science elective requirements. Any additional credit hours apply to degree totals as general elective credit.					
Total Hours					6
				Total Hours	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 <small>At least one of these courses is required to satisfy state requirement.</small>	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 <small>At least one of these courses is required to satisfy state requirement.</small>	3
ECON 202 or ECON 201	Principles of Microeconomics or Principles of Macroeconomics or upper-level economics	3	ECON 1100 or ECON 1200 PSYCH 1101	Principles of Microeconomics or Principles of Macroeconomics or upper-level economics General Psychology or upper-level psychology	3
Social Science	Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3	Social Science	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 upper-level ethics course.

PHIL 101	Intro to Western Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ART 101	Art Appreciation	3	ART 1185	Study of Film	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 ENGI 222 or	British Literature I or Survey of American Literature I or World Literature I	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
Foreign Language	Any foreign language	3	Foreign Language	Any foreign language	3
Humanities	Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	3	Humanities	Other humanities elective from the list of approved courses at https://cs.mst.edu/undergraduate-degree/	3
Total Hours					6
				Total Hours	6

Additional Degree Requirements

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

Electives	Maximum Free Electives	8	Electives	Maximum Free Electives	8
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Maximum credit hours to be transferred to Missouri S&T degree requirements.

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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.