

Crowder College — Missouri S&T

Computer Science BS

Transfer Guide Effective as of Fall 2025

Students are not required to complete all courses on this guide before transferring to Missouri S&T.

Crowder College

Missouri S&T

Communication Skills

Take all courses.

ENGL 101	English Composition	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 102 or ENGL 203	Advanced English Composition or Technical Report Writing	3	ENGLISH 1160 or ENGLISH 3560	Writing and Research or Technical Writing	3
		Total Hours			Total Hours
		6			6

Computer Science, Mathematics, and Science

Take all courses.

CMP 111	Intro to Computer Science	4	COMP SCI 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
		Total Hours			Total Hours
		14			11

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 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 Any statistics 4000-level or higher 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
PHYS 190	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 210	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
Physics	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145, except as noted above.	3	Physics	Any physics excluding the equivalent of S&T PHYS 2111, 2119, 2135, and 2145, except as noted above.	3
Science	Any biology, chemistry, geology, or environmental science.	3	Science	Any biology, chemistry, geology, or environmental science.	3
		Total Hours			Total Hours
		6			6

*A maximum of 6 hours applies to engineering/science elective requirements. Any additional credit hours apply to degree totals as general elective credit.

Natural Sciences General Education Requirements

Select 7 hours to include at least two specific disciplines and to include at least 1 hour of lab.

CHEM 111 or BIOL 101 or PHYS 105	General Chemistry I (5) or General Biology (4) or Descriptive Astronomy (4)	4	CHEM 1310, 1319 or BIO SCI 1113 1219 or PHYSICS 1505	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Introductory Astronomy (3)) Satisfies the gen ed natural science lecture/lab requirement. Lecture/lab pair must total a minimum of 4 hours.	4
Natural Science	Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher)	3	Natural Science	Any Biology (1113 or higher), Chemistry (1301 or higher), Geology (1110 or higher) or Physics (1111 or higher)	3
		Total Hours			Total Hours
		7			7

Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 12 hours to include
6 hours Humanities and Fine Arts from at least two specific disciplines and
6 hours Behavioral and Social Sciences from at least two specific disciplines.

*At least one course must be selected from HISTORY 1200, 1300, 1310, or POL SCI 1200 to satisfy the State of Missouri government requirement.

Humanities and Fine Arts

Select 6 hours from at least two specific disciplines.

ENGL 240 or ENGL 245 or ENGL 230 or ENGL 235 or ENGL 222 or HIST 106* or HIST 107* or ART 101 or MUSC 101 or TA 205	British Literature I or British Literature II or Survey of American Literature I or Survey of American Literature II or World Literature I or U.S. History I* or U.S. History II* or Art Appreciation or Music Appreciation or Intro to Theatre *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1190	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or American History to 1877 or American History Since 1877 or Art Appreciation or Music Understanding and Appreciation or Theatre via Video *Satisfies the State of Missouri government requirement.	6
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Behavioral and Social Sciences

Select 3 hours.

HIST 101 or HIST 102* or GEOG 111 or PLSC 103* or PSYC 101 or ECON 202 or ECON 201 or Foreign Language	Western Civilization I or Western Civilization II* or World Regional Geography or National, State, Local Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or POL SCI 1200* or PSYC 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	3
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Humanities, Arts, and Social Sciences

SPMS 1185 is required.

COMM 104	Fundamentals of Speech	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		12			12

Additional Degree Requirements

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

Electives	Maximum Free Electives	7	Electives	Maximum Free Electives	7
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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.
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