

Three Rivers College — Missouri S&T

Computer Science BS Transfer Guide Effective as of Fall 2024

Three Rivers College

Missouri S&T

Communication Skills

Take all courses.

ENGL 111	College Writing	3	ENGLISH 1120	Exposition and Argumentation	3
ENGL 112	Advanced College Writing	3	ENGLISH 1160	Writing and Research	3
SCOM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
Total Hours			9		

Computer Science, Mathematics, and Science

Take all courses.

MATH 171	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MATH 271	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4
PHYS 211	General Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHYS 211	General Physics II	5	PHYSICS 2135	Engineering Physics II	4
CHEM 121 or BIOL 101 or BIOL 121	General Chemistry I or General Biology or General Zoology	5	CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 2353, 2359	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Zoology (3) and Lab (1)	5
Total Hours			25		

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 272	Analytic Geometry and Calculus III Or other math 2000-level or higher or Any statistics 4000-level or higher	5	MATH 2222	Calculus III 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.	4
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
Total Hours			6		

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

Social Sciences

Select 9 credit hours to include one course to satisfy state requirement.

HIST 122 or HIST 111 or HIST 112 or GOVT 121	World Civilization since the Renaissance or American History to 1877 or American History since 1877 or National and State 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 212 or ECON 211	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics or upper-level economics	3
PSYC 111	General Psychology	3	PSYCH 1101	General Psychology or upper-level psychology	3
ACCT 111	Accounting I	4	BUS 1210	Financial Accounting or or other approved business course; see 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	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		

Humanities

Select one humanities.

PHIL 200	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ARTS 110	Intro to Art	3	ART 1185	Study of Film	3
MUSC 123	History and Appreciation of Music	3	MUS 1150	Music Understanding and Appreciation	3
THEA 120	History and Appreciation of Theatre	3	THEATRE 1190	Theatre via Video	3
ENGL 231 or ENGL 241 or ENGL 221	English Literature to 1798 or American Literature to 1870 or World Literature to 1600	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			3		

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.

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.