

Jefferson College — Missouri S&T

Computer Science BS

Transfer Guide Effective as of Fall 2024

Jefferson College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research	3
COM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours			Total Hours
		9			9

Computer Science, Mathematics, and Science

Take all courses.

CIS 155	Intro to Computer Programming	3	CS 1500	Computational Problem Solving	3
MTH 180	Calculus I	5	MATH 1214	Calculus I	4
MTH 185	Calculus II	5	MATH 1215	Calculus II	4
MTH 172	Linear Algebra	3	MATH 3108	Linear Algebra	3
PHY 223	General Physics I	4	PHYSICS 1135	Engineering Physics I	4
PHY 224	General Physics II	4	PHYSICS 2135	Engineering Physics II	4
CHM 111 or BIO 101	General Chemistry I (5) or General Biology (5)	4	CHEM 1310, 1319 or BIO SCI 1113, 1219	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) <small>Satisfies the 5-hour science lecture/lab requirement. Credit hours apply to degree totals as indicated for each course.</small>	5
		Total Hours			Total Hours
		28			27

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/>

MTH 201 or MTH 205	Calculus III or Differential Equations	3	MATH 2222 or MATH 3304	Calculus III (4) or Elementary Differential Equations (3) <small>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.</small>	3
EGR 228 or EGR 250 or EGR 261	Engineering Mechanics-Statics or Engineering Mechanics-Dynamics or Circuit Analysis I	3	CIV ENG 2200 or MECH ENG 2350 or ELEC ENG 2800	Statics or Engineering Mechanics-Dynamics (2) or Circuit Analysis <small>Or other course with the equivalent of a Missouri S&T engineering designation.</small>	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
		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.

Social Sciences

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

HST 202 or HST 103 or HST 104 or PSC 102	Renaissance to Early Mod Europe MOTR WCIV 102 or US History I to Reconstruction or US History II from Reconstruction or US and Missouri Govt. and Constitution <small>At least one of these courses is required to satisfy a State of Missouri requirement.</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization MOTR WCIV 102 or American History to 1877 or American History Since 1877 or American Government <small>At least one of these courses is required to satisfy a State of Missouri requirement.</small>	3
ECO 102 or ECO 101	Microeconomics or Macroeconomics or other upper-level economics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics or upper-level economics	3
PSY 101	General Psychology or other upper-level psychology	3	PSYCH 1101	General Psychology or upper-level psychology	3
BUS 120 or BUS 240 or BUS 265	Principles of Management or Financial Accounting or Business Law <small>or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/</small>	3	BUS 1110 or BUS 1210 or BUS 2910	Intro to Management and Entrepreneurship or Financial Accounting or Business Law <small>or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/</small>	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			Total Hours
		9			9

Humanities and Ethics

Select one humanities and one upper-level ethics course.

PHL 102	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ART 101	Art Appreciation	3	ART 1185	Study of Film	3
MSC 101	Fundamentals of Music	3	MUS 1150	Music Understanding and Appreciation	3
THT 100	Theatre Appreciation	3	THEATRE 1190	Theatre via Video	3
ENG 130 or ENG 175 or ENG 215	English Life & Literature I or American Literature I or World Literature before 1650	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			Total Hours
		6			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.

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.