

# Jefferson College — Missouri S&T

## Computer Science BS Transfer Guide

Effective as of Fall 2023

### Jefferson College

### Missouri S&T

#### Communication Skills and (Take all courses)

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	Composition and Rhetoric 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 1971,1981	Intro to Programming Methodology and Lab	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) Satisfies science lecture/lab requirement.	4
		Total Hours			Total Hours
		28			26

#### 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 222 or MATH 3304	Calculus III or Elementary Differential Equations Or other math 2000-level or higher or Any statistics 4000-level or higher	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 2100	Statics or Engineering Mechanics-Dynamics (2) or Circuits I Or other course with the equivalent of a Missouri S&T engineering designation.	3
		Any biology, chemistry, geology, or environmental science.			Any biology, chemistry, geology, or environmental science.
		3			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 103 or HIST 104 or PSC 102	Renaissance to Early Modern Europe or US History I or US History II or US and Missouri Govt. and Constitution (At least one of these courses is required to satisfy state requirement)	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
ECO 102 or ECO 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics (or upper-level economics)	3
PSY 101	General 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	3	BUS 1110 or BUS 1210 or BUS 2910	Intro to Management and Entrepreneurship or Financial Accounting or Business Law (or other approved business course; see Social Sciences Approved Electives at <a href="https://cs.mst.edu/undergraduate-degree/">https://cs.mst.edu/undergraduate-degree/</a> )	3
		Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at <a href="https://cs.mst.edu/undergraduate-degree/">https://cs.mst.edu/undergraduate-degree/</a>			Other economics, history, political science, psychology, business elective from the Social Sciences Approved Electives at <a href="https://cs.mst.edu/undergraduate-degree/">https://cs.mst.edu/undergraduate-degree/</a>
		3			3
		Total Hours			Total Hours
		9			9

#### Humanities and Ethics (Select one humanities)

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
SPD 120	Intro to Theatre	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
		See your advisor for course options			Other humanities elective from the list of approved courses.
		3			3
		Total Hours			Total Hours
		3			3

#### 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.