

Moberly Area Community College — Missouri S&T

Computer Science BS

Transfer Guide Effective as of Fall 2024

Moberly Area Community College

Missouri S&T

Communication Skills

Take all courses.

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

Computer Science, Mathematics, and Science

Take all courses.

ITC 125 or ITC 243 or ITC 244 or ITC 247 or ITC 220*	Object Oriented Programming I or Object- Oriented Programming II: Java or Object Oriented Programming : C# or Python Programming or Programming II*	3	CS 1500 or CS 1500 or CS 1500 or CS 1500 or CS 1971,1981*	Computational Problem Solving (preferred) or Computational Problem Solving (preferred) or Computational Problem Solving (preferred) or Computational Problem Solving (preferred) or Intro to Programming Methodology and Lab*	3
MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4
PHY 201	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
PHY 121 or BIO 101 or BIO 160 or BIO 150 or BIO 151	General Chemistry I (5) or Biology (4) or General Biology for Majors II (4) or General Zoology (5) or Introductory Plant Biology (5)	4	CHEM 1310, 1319 or BIO SCI 1113, 1219 or BIO SCI 1223, 1229or BIO SCI 2353, 2359 or BIO SCI 2383, 2389	General Chemistry I (4) and Lab (1) or General Biology (3) and Lab (1) or Biodiversity (3) and Lab (1) or Zoology (3) and Lab (1) or Plant Biology (3) and Lab (1)	5
Total Hours			27		

*CS 1500 is preferred; CS 1971,1981 will be accepted in lieu of CS 1500 if necessary.
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/>

MTH 203 or MTH 250	Analytic Geometry and 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
EGN 201	Statics	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
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.

HST 102 or HST 105 or HST 106 or PSC 105	Western Civilization II or American History to 1865 or American History from 1865 or Intro to American Government 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
ECN 102 or ECN 101	Microeconomics or Macroeconomics or 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 upper-level psychology	3	PSYCH 1101	General Psychology or upper-level psychology	3
ACC 101	Elementary Accounting I or other approved business course; see Social Sciences Approved Electives at https://cs.mst.edu/undergraduate-degree/	3	BUS 1210	Financial Accounting 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 and Ethics

Select one humanities and one upper-level ethics course.

PHI 150	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
LAL 160	Intro to Film Studies	3	ART 1185	Study of Film	3
MUS 101 or MUS 102 or MUS 103	Fundamentals of Music or Music Appreciation	3	MUS 1150	Music Understanding and Appreciation	3
DRM 120	Theatre Appreciation	3	THEATRE 1190	Theatre via Video	3
LAL 150 or LAL 120 or LAL 210 or LAL 255 or LAL 125	English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature	3	ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245	British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature	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		

Additional Degree Requirements

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

EGN 101	Intro to Engineering	1	FR ENG 1100	Study and Careers in Engineering and Computing	1
Electives	Maximum Free Electives	8	Electives	Maximum Free Electives	8

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.