Johnson County Community College — Missouri S&T

Information Science and Technology BS

Transfer Guide Effective as of Fall 2026

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

Johnson County Community College			Missouri S&T		
Communication and Foundational Requirements					
Take all courses.					
ENGL 121 or ENGL 119	Composition I (3) or College Composition I with Review (5)	3	ENGLISH 1120	Exposition and Argumentation	3
COMS 121	Public Speaking	3	SPMS 1185	Principles of Speech Applies to degree as Gen Ed communication requirement.	3
	Total Hours	6		Total Hours	6
Mathematics and Statistics					
Take all courses.					
MATH 241 or MATH 231 and 232	Calculus I (5) or Business and Applied Calculus I and II (6)* *The combination of MATH 231 and 232 is equivalent to S&T MATH 1212.	5	MATH 1214* or MATH 1212*	Calculus I (4) or Survey of Calculus (3) *MATH 1212 will be substituted for MATH 1210. The combination of MATH 231 and 232 is equivalent to S&T MATH 1212.	4
MATH 201 or MATH 285	Statistics (3) or Statistics for Businesses (4)	3	STAT 1115 or STAT 3111*	Statistics for the Social Sciences or Statistical Tools for Decision Making At least one statistics course is required. *Will be substituted for the statistics requirement.	3
	Total Hours	8		Total Hours	7
Natural Sciences General Education Requirements					
Select 7* hours to include 1 living science lecture, 1 physical science lecture, and 1 lab.					
BIOL 121 or BIOL 150	Introductory Biology for Non-Majors (4) or Biology of Organisms (5)	4-5	BIO SCI 1113, 1219*	General Biology and Lab *Lab satisfies science lab requirement below.	4
EVRN 130	Environmental Science	3	BIO SCI 1173	Intro to Environmental Sciences	3
CHEM 124, 125	General Chemistry I and Lab	5	CHEM 1310, 1319*	General Chemistry I (4) and Lab* (1) *Lab satisfies science lab requirement below.	5
GEOS 130	General Geology	5	GEOLOGY 1110	Physical and Environmental Geology (3) *Lab satisfies science lab requirement below.	3
PHYS 130	College Physics I	5	PHYSICS 1145*	College Physics I* (4) *Lab satisfies science lab requirement below.	4
PHYS 220	Engineering Physics I	5	PHYSICS 1135*	Engineering Physics* (4) *Lab satisfies science lab requirement below.	4
ASTR 120 or ASTR 122	Fundamentals of Astronomy (3) or Astronomy (4)	3-5	PHYSICS 1505, 1509*	Introductory Astronomy (3) and Lab* (1) *Lab satisfies science lab requirement below.	4
Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1	Science Lab	One lab course from any physical or biological science if not taken with lecture course above.	1
	*A maximum of 7 hours applies to the sciences degree requirement. Any additional credit hours apply to degree totals as general elective credit.				
	Total Hours	7		Total Hours	7
Humanities, Arts, and Social Sciences General Education Requirements					
From the options listed in each group below, select 12 hours to include 3 hours Humanities and Fine Arts and 6 hours Behavioral and Social Sciences from at least 2 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 3 hours.					
HIST 140* or **HIST 141*** or MUS 121 or MUS 126 or THEA 120	**US History to 1877*** or **US History since 1877*** or Intro to Music Listening or Intro to World Music or Intro to Theatre ***Satisfies the State of Missouri government requirement.**	3	**HISTORY 1300*** or **HISTORY 1310*** or MUSIC 1150 or MUSIC 1150 or THEATRE 1190	**American History to 1877*** or **American History Since 1877*** or Music Appreciation or Music Appreciation or Theatre via Video ***Satisfies the State of Missouri government requirement.**	3
Behavioral and Social Sciences					
Both PSYCH 1101 and POL SCI 1200 are required.					
PSYC 130	Intro to Psychology	3	PSYCH 1101	General Psychology	3
POLS 124*	**American National Government*** ***Satisfies the State of Missouri government requirement.**	3	**POL SCI 1200***	**American Government*** ***Satisfies the State of Missouri government requirement.**	3
Humanities, Arts, and Social Sciences					
ECON 1100 is required.					
ECON 231	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
	Total HASS Hours	12		Total HASS Hours	12
Major Requirements					
Select additional courses to total up to the maximum transfer credit hours shown below.					
ECON 230	Principles of Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
BUS 241	Principles of Management	3	BUS 1110	Intro to Management and Entrepreneurship	3
ACCT 121	Accounting I	3	BUS 1210	Financial Accounting	3
CS 201	Concepts of Programming Algorithms using C#	4	IST 1551	Implementing Info Systems: User Perspective	3
CS 236	Object-Oriented Programming Using C#	4	IST 1552	Implementing Info Systems: Data Perspective	3
IT 141	Intro to Networks	3	IST 3333	Data Networks and Information Security	3
DS 210	Intro to Data Science	3	IST 3420	Intro to Data Science and Management	3
CIS 242	Intro to System Design and Analysis	3	IST 3343	Systems Analysis	3
CIS 275	Web-Enabled Database Programming	4	IST 4654	Intro to Web Design and Digital Media Studies	3
MKT 230	Marketing	3	MKT 3110	Marketing	3
Electives	Maximum Free Electives	11	Electives	Maximum Free Electives	11

Maximum credit hours to be transferred to Missouri S&T degree requirements. **60**

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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2026.
Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.