

East Central College — Missouri S&T					
Business and Management Systems BS with Secondary Education Teacher Certification					
Transfer Guide Effective as of Fall 2026					
Students are not required to complete all courses on this guide before transferring to Missouri S&T.					
East Central College			Missouri S&T		
Communication Skills					
Take all courses.					
ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
		Total Hours	3	Total Hours 3	
Mathematics					
Take all courses.					
MTH 180	Survey Calculus	3	MATH 1212*	Survey of Calculus* or higher math *Will be substituted for MATH 1210.	4
MTH 150	Statistics	3	STAT 1115	Statistics for the Social Sciences	3
		Total Hours	6	Total Hours 7	
Social Sciences					
Take all courses.					
ECO 102	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
ECO 101	Principles of Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
PSC 102	US Government National and State	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
		Total Hours	12	Total Hours 12	
Humanities					
Select 1 course.					
PHL 101	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
ART 101	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 101	Music Appreciation	3	MUSIC 1150	Music Appreciation	3
THE 101	Theatre Appreciation	3	THEATRE 1190	Theatre via Video	3
ENG 210	Survey British Lit: Beginnings -1784	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 221	Survey American Lit: Beginnings - 1865	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 124	World Literature I	3	ENGLISH 1231	World Literature I	3
ENG 214	Women's Literature	3	ENGLISH 2242	Literature by Women	3
ENG 215	African-American Literature	3	ENGLISH 2245	African American Literature	3
Humanities or Social Science	Any Humanities or Social Sciences	3	Humanities or Social Science	Any Humanities or Social Sciences	3
		Total Hours	3	Total Hours 3	
Sciences					
Select 7 hours from at least two different disciplines and to include at least 1 science lab.					
BIO 111* or BIO 12*1	General Biology Lecture and Lab or Principles of Biology I and Lab or higher biological science *Lab satisfies science lab requirement below.	5	BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab or higher biological science *Lab satisfies science lab requirement below. *BIO SCI 1213 will be substituted for 1113.	3
CHM 111*	General Chemistry I and Lab or higher chemistry *Lab satisfies science lab requirement below.	5	CHEM 1310, 1319*	General Chemistry I (4) and Lab* (1) or higher chemistry *Lab satisfies science lab requirement below.	3
PHY 111, 112* or PHY 211, 212* or PHY 102	College Physics I and Lab* (5) or General Physics I and Lab* (5) or Intro to Astronomy (3) or higher physics *Lab satisfies science lab requirement below.	3	PHYSICS 1145* or PHYSICS 1135* or PHYSICS 1505	College Physics I* (4) or Engineering Physics*(4) or Introductory Astronomy (3) or higher physics *Lab satisfies science lab requirement below.	3
GEO 101	Intro to Physical Geology or higher geology.	3	GEOLOGY 1110	Physical and Environmental Geology or higher geology. *Lab satisfies science lab requirement below.	3
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
		Total Hours	7	Total Hours 7	
Major Requirements					
Select additional courses to total up to the maximum transfer credit hours shown below.					
BUS 110	Intro to Business	3	BUS 1110	Intro to Management and Entrepreneurship	3
ACC 101	Financial Accounting I	3	BUS 1210	Financial Accounting	3
BUS 234	Legal Environment of Business	3	BUS 2910	Business Law	3
ACC 110	Managerial Accounting	3	BUS 3220	Managerial Accounting	3
CIS 101	Microcomputer Application	3	IST 1750	Information Systems	3
CIS 143	Implementing Information Systems-User Perspective	3	IST 1551	Implementing Information Systems: User Perspective	3
CIS 173	Implementing Information Systems-Data Perspective	3	IST 1552	Implementing Information Systems: Data Perspective	3
BUS 111	Principles of Marketing	3	MKT 3110	Marketing	3
Teacher Certification Requirements					
Take all courses.					
EDU 201 or EDU 214	Foundations of Education or Multicultural Education	3	EDUC 1074	Education in a Diverse Society	2
EDU 190 or EDU 212	CDA Capstone-Childcare Practicum or Teaching Professional/Field Experience	3	EDUC 1104	Teacher Field Experience I	1
EDU 241	Educational Psychology	3	EDUC 2102 or PSYCH 2300	Educational Psychology	3
PSY 250	Human Development	3	PSYCH 3310	Developmental Psychology	3
EDU 244	Education of the Exceptional Learner	3	EDUC 2310 or PSYCH 4310	Education of the Exceptional Child or Psychology of the Exceptional Child	3
		Total Hours	15	Total Hours 12	
Professional Requirements for Teacher Education Program:					
Please view all program requirements at https://teachereducation.mst.edu/secondaryeducation/ .					
Maximum credit hours to be transferred to Missouri S&T degree requirements.					76
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.					