

# East Central College — Missouri S&T

## Business and Management Systems BS with Secondary Education Teacher Certification

Transfer Guide Effective as of Fall 2025

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 183	College Algebra	3		MATH 1140	College Algebra	3	
MTH 180	Survey Calculus	3		MATH 1212	Survey of Calculus	4	
		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 Understanding and 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 3 hours of science and 7 hours of science or mathematics.							
CHM 111	General Chemistry I and Lab	5		CHEM 1310, 1319	General Chemistry I and Lab*	5	
PHY 111, 112	College Physics and lab	5		PHYSICS 1145	College Physics I*	4	
PHY 102	Intro to Astronomy	3		PHYSICS 1505	Introductory Astronomy	3	
BIO 111 or BIO 121	General Biology Lecture and Lab or Principles of Biology I and Lab	5		BIO SCI 1113, 1219 or BIO SCI 1213*, 1219	General Biology and Lab or Principles of Biology and Lab *BIO SCI 1213 will be substituted for 1113.	4	
GEO 101	Intro to Physical Geology	3		GEOLOGY 1110	Physical and Environmental Geology	3	
Mathematical Science or Science Elective	Any math, computer science, statistics, IST, biology, chemistry, physics, geology lecture or lab not already taken above.	3		Mathematical Science or Science Elective	Any math, computer science, statistics, IST, biology, chemistry, physics, geology lecture or lab not already taken above.	3	
Science Elective	Any biology, chemistry, physics, geology lecture or lab not already taken above.	3		Science Elective	Any biology, chemistry, physics, geology lecture or lab not already taken above.	3	
		Total Hours	10			Total Hours	10
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.

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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.