

# East Central College — Missouri S&T

## Information Science and Technology BS

Transfer Guide Effective as of Fall 2025

### East Central College

### Missouri S&T

#### Communication and Foundational Requirements

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
COM 110	Public Speaking	3	SPMS 1185	Principles of Speech	3
		Total Hours	6		
				Total Hours	18

#### Mathematics and Statistics

Take all courses.

MTH 180 or MTH 190	Survey Calculus (3) or Analytic Geometry & Calculus I (5)	3	MATH 1212 or MATH 1214	Survey of Calculus or Calculus I	4
MTH 150 or BUS 210 or MTH 242	Statistics or Basic Business Statistics or Engineering Statistics <small>At least one statistics course is required.</small>	3	STAT 1115 or STAT 3115*	Statistics for the Social Sciences or Engineering Statistics* <small>At least one statistics course is required. *Will be substituted for the statistics requirement.</small>	3
		Total Hours	6		
				Total Hours	7

#### Natural Sciences General Education Requirements

Select 7\* hours to include 1 living science lecture, 1 physical science lecture, and 1 lab.

BIO 111	General Biology and Lab	5	BIO SCI 1113, 1219*	General Biology (3) and Lab* (1) <small>*Lab satisfies science lab requirement below.</small>	4
BIO 121	Principles of Biology and Lab	5	BIO SCI 1213, 1219*	Principles of Biology (3) and Lab* (1) <small>*Lab satisfies science lab requirement below.</small>	4
EVR 103	Intro to Environmental Sciences	3	BIO SCI 1173	Intro to Environmental Sciences	3
BIO 122	Principles of Biology II and Lab	5	BIO SCI 1223, 1229*	Biodiversity (3) and Lab* (1) <small>*Lab satisfies science lab requirement below.</small>	4
CHM 111	General Chemistry I and Lab	5	CHEM 1310, 1319*	General Chemistry I (4) and Lab* (1) <small>*Lab satisfies science lab requirement below.</small>	5
GEO 101	Intro to Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology (3) <small>*Lab satisfies science lab requirement below.</small>	3
PHY 111, 112	College Physics I and Lab	5	PHYSICS 1145*	College Physics I* (4) <small>*Lab satisfies science lab requirement below.</small>	4
PHY 211, 212	General Physics I and Lab	5	PHYSICS 1135*	Engineering Physics* (4) <small>*Lab satisfies science lab requirement below.</small>	4
PHY 102	Intro to Astronomy	3	PHYSICS 1505	Introductory Astronomy	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
		Total Hours	7		
				Total Hours	7

\*A maximum of 7 hours applies to the sciences degree requirement. Any additional credit hours apply to degree totals as general elective credit.

#### Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 12 hours to include PSYCH 1101, POL SCI 1200 and ECON 1100.

\*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.

HST 101* or HST 102* or ART 101 or MUS 101 or THE 101	US History to 1877* or US History Since 1877* or Art Appreciation or Music Appreciation or Theatre Appreciation <small>*Satisfies the State of Missouri government requirement.</small>	3	HISTORY 1300* or HISTORY 1310* or ART 1180 or MUSIC 1150 or THEATRE 1150	American History to 1877 or American History Since 1877 or Art Appreciation or Music Understanding and Appreciation or Theatre for Social Change <small>*Satisfies the State of Missouri government requirement.</small>	3
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##### Behavioral and Social Sciences

PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
PSC 102*	US Government I: National and State* <small>*Satisfies the State of Missouri government requirement.</small>	3	POL SCI 1200*	American Government* <small>*Satisfies the State of Missouri government requirement.</small>	3

##### Humanities, Arts, and Social Sciences

ECO 102	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3
		Total Hours	12		
				Total Hours	12

#### Major Requirements

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

ECO 101	Principles of Macroeconomics	3	ECON 1200	Principles of Macroeconomics	3
BUS 110	Intro to Business	3	BUS 1110	Intro to Management and Entrepreneurship	3
ACC 101	Fundamentals of Accounting	3	BUS 1210	Financial Accounting	3
CIS 101	Microcomputer Application	3	IST 1750	Information Systems	3
CIS 129 or CIS 143	C# Programming or Implementing Info Systems-User Perspective	3	IST 1551	Implementing Info Systems: User Perspective	3
CIS 173	Implementing Info Systems-Data Perspective	3	IST 1552	Implementing Info Systems: Data Perspective	3
BMT 201	Intro to ERP	3	ERP 2110	Intro to Enterprise Resource Planning	3
BUS 111	Principles of Marketing	3	MKT 3110	Marketing	3
Electives	Maximum Free Electives	8	Electives	Maximum Free Electives	8

#### 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.

must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.

required to complete all courses on this guide before transferring to Missouri S&T.

Students  
are not