

East Central College — Missouri S&T

Environmental Science 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.

East Central College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	English Composition II	3	ENGLISH 1160	Writing and Research <small>Applies to degree as Gen Ed communication requirement.</small>	3
Total Hours					6
Total Hours					6

Mathematics and Science

Take all courses.

MTH 180 or MTH 190	Survey Calculus (3) or Analytic Geometry and Calculus I (5)	3	MATH 1212 or MATH 1214	Survey Calculus or Calculus I <small>*A maximum of 4 credit hours will apply to this degree requirement. Additional credit hours will apply to degree totals as general elective credit.</small>	4
CHM 111	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II and Lab	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis (2) <small>*CHEM 1510 is not a degree requirement, transfers as general elective credit.</small>	3
MTH 242	Engineering Statistics	3	STAT 3115	Engineering Statistics	3
PHY 111, 112 or PHY 211, 212	College Physics I and Lab or General Physics I and Lab	5	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
GEO 101	Intro to Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 122	Principles of Biology II and Lab	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
EVR 103	Intro to Environmental Sciences	3	BIO SCI 1173	Intro to Environmental Sciences	3
Total Hours					32
Total Hours					29

Humanities, Arts, and Social Sciences General Education Requirements

From the options listed in each group below, select 15 hours to include
6 hours Humanities and Fine Arts from at least two specific disciplines and
6 hours Behavioral and Social Sciences from at least two 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 6 hours from at least two specific disciplines to include either HISTORY 1300 or 1310.

HST 101 or HST 102	US History to 1877 or US History Since 1877 <small>*Satisfies the State of Missouri government requirement.</small>	3	HISTORY 1300* or HISTORY 1310*	American History to 1877 or American History since 1877 <small>*Satisfies the State of Missouri government requirement.</small>	3
ENG 210 or ENG 211 or ENG 221 or ENG 222 or ENG 124 or ART 101 or MUS 101 or THE 101 or Literature	Survey British Lit: Beginnings - 1784 or Survey British Lit: Romantic-Present or Survey American Lit: Beginnings - 1865 or Survey American Lit: 1865-Present or World Literature I or Art Appreciation or Music Appreciation or Theatre Appreciation or Any literature with prerequisite of no more than ENGLISH 1120.	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or ART 1180 or MUSIC 1150 or THEATRE 1190 or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to the Renaissance or Art Appreciation or Music Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120.	3

Behavioral and Social Sciences

Both ECON 1100 and POL SCI 1200 are required.

ECO 102	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	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
Total HASS Hours					15
Total HASS Hours					12

Additional Degree Requirements

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

BIO 110	General Ecology	4	BIO SCI 2263	Ecology	3
BIO 109	General Zoology	4	BIO SCI 2353	Zoology <small>Applies to degree as upper-division elective.</small>	3
Electives	Free Electives	2	Electives	Free Electives	2

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.
receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.
complete all courses on this guide before transferring to Missouri S&T.

Students must
Students are not required to