

St. Charles Community College — Missouri S&T

Environmental Science BS

Transfer Guide Effective as of Fall 2025

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

St. Charles Community 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	3
		Total Hours			Total Hours
		6			6

Mathematics and Science

Take all courses.

MAT 210 or MAT 180	Survey Calculus or Calculus and Analytic Geometry I	4	MATH 1212 or MATH 1214	Survey Calculus (4) or Calculus I (4) <small>*A maximum of 4 credit hours will apply to this degree requirement. Additional credit hours will apply to the degree totals as general elective credit.</small>	4
CHM 115	General Chemistry I and Lab	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 116	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
PHY 150 or PHY 250	General Physics I (3) or Engineering Physics I (5)	3	PHYSICS 1145 or PHYSICS 1135	College Physics I or Engineering Physics I	4
PHY 125	Intro to Physical Geology	3	GEOLOGY 1110	Physical and Environmental Geology	3
BIO 151	General Biology: Organisms to Environment	5	BIO SCI 1223, 1229	Biodiversity and Lab	4
BIO 122	Environmental Sciences	3	BIO SCI 1173	Intro to Environmental Sciences	3
		Total Hours			Total Hours
		28			26

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.

HIS 101* or HIS 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
LIT 250 or LIT 260 or LIT 210 or LIT 220 or LIT 272or ART 1001 or MUS 111 or THE 122	English Literature Before 1800 or English Literature After 1800 or American Literature From Beginnings-1865 or American Literature From 1865-Present or World Literature-Ancient World thru Renaissance or Art Appreciation or Music Appreciation or Intro to the Theatre	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or ART 1180 or MUSIC 1150 or THEATRE 1150	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 Appreciation or Music Understanding and Appreciation or Theatre for Social Change	3

Behavioral and Social Sciences

Take all courses.

POL 101*	American Government* <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
ECO 120	Principles of Microeconomics	3	ECON 1100	Principles of Microeconomics	3

Humanities, Arts, and Social Sciences

PHL 160	Ethics	3	PHILOS 1130	How Should I Live? An Intro to Ethics	3
		Total Hours			Total Hours
		15			15

Additional Degree Requirements

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

BIO 123	General Zoology	3	BIO SCI 2353	Zoology Applies to degree as upper-division elective.	3
Electives	Free Electives	5	Electives	Free Electives	5

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

61

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.
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