

Moberly Area Community College — Missouri S&T

Biochemistry 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.

Moberly Area Community College

Missouri S&T

Communication Skills

Take all courses.

LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102 or SPK 101	Composition II or Public Speaking I	3	ENGLISH 1160 or ENGLISH 1185	Writing and Research or Principles of Speech Applies to degree as Gen Ed communication requirement.	3
Total Hours		6	Total Hours		6

Mathematics and Science

Take all courses.

MTH 201	Analytic Geometry and Calculus I	5	MATH 1214	Calculus I	4	
MTH 202	Analytic Geometry and Calculus II	5	MATH 1215	Calculus II	4	
BIO 155	General Biology for Majors I	4	BIO SCI 1213, 1219	Principles of Biology and Lab	4	
PHY 121	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5	
PHY 122	General Chemistry II	5	CHEM 1320, 1510*	General Chemistry II (3) and Qualitative Analysis* (2) *CHEM 1510 is not a degree requirement, transfers as general elective credit.	3	
PHY 181 or PHY 201	General Physics I (4) or Engineering Physics I (5)	4	PHYSICS 1145 or PHYSICS 1135*	College Physics I or Engineering Physics I* *Will be substituted for PHYSICS 1145.	4	
PHY 182 or PHY 202	General Physics II (4) or Engineering Physics II (5)	4	PHYSICS 2145 or PHYSICS 2135*	College Physics II or Engineering Physics II* *Will be substituted for PHYSICS 2145.	4	
Total Hours			32	Total Hours		28

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.

LAL 150 or LAL 151 or LAL 120 or LAL 121 or LAL 210 or HST 105* or HST 106* or ART 101 or ART 102 or MUS 101 or MUS 102 or DRM 120 or Literature	English Literature Survey to 1750 or English Literature Survey from 1750 to Present or American Literature Survey to 1870 or American Literature Survey from 1870 to Present or A Survey of World Literature I or American History to 1865* or American History from 1865* or Art Survey and Appreciation I or Art Survey and Appreciation II or Fundamentals of Music or Music Appreciation or Theatre Appreciation or Any literature with prerequisite of no more than English Composition I, *Satisfies the State of Missouri government requirement.	6	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or HISTORY 1300* or HISTORY 1310* or ART 1180 or ART 1180 or MUSIC 1150 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 American History to 1877* or American History Since 1877* or Art Appreciation or Art Appreciation or Music Appreciation or Music Appreciation or Theatre via Video or Any literature with prerequisite of no more than ENGLISH 1120. *Satisfies the State of Missouri government requirement.	6
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Behavioral and Social Sciences

Select 6 hours from at least two specific disciplines.

HST 101 or HST 102* or GEO 101 or PHI 150 or PHI 151 or PSC 105* or PSY 101 or ECN 102 or ECN 101 or Foreign Language	Western Civilization I or Western Civilization II* or World Geography I or Intro to Philosophy or Intro to Logic or Intro to American Government* or General Psychology or Microeconomics or Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6	HISTORY 1100 or HISTORY 1200* or HISTORY 2110 or PHILOS 1105 or PHILOS 1115 or POL SCI 1200* or PSYCH 1101 or ECON 1100 or ECON 1200 or Foreign Language	Early Western Civilization or Modern Western Civilization* or World Regional Geography or Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction or American Government* or General Psychology or Principles of Microeconomics or Principles of Macroeconomics or Elementary or Intermediate Foreign Language *Satisfies the State of Missouri government requirement.	6
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Humanities, Arts, and Social Sciences

Select 3 hours.

HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3	HASS Elective	Humanities, Arts, Social Sciences Elective: Any history, art, music, theater, English and technical communication, philosophy, political science, psychology, economics, etymology, or foreign language.	3
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Total HASS Hours

15

Total HASS Hours

15

Additional Degree Requirements

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

BIO 220	General Genetics	4	BIO SCI 2223	General Genetics	3
BIO 206	Microbiology	4	BIO SCI 3313, 3319*	Microbiology and Lab* *BIO SCI 3319 is not a degree requirement, transfers as general elective credit.	3
PHY 222	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
ITC 247 or ITC 243	Python Programming or Object Oriented Programming II: Java	3	COMP SCI 1973, 1983 or IST 1561*	Intro to Python Programming and Lab or Algorithms and Programming with Java* *Will be substituted for COMP SCI 1973, 1983..	3

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.
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.