

Jefferson College — Missouri S&T

Biological Sciences BA Transfer Guide Effective as of Fall 2026

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

Jefferson College

Missouri S&T

Communication Skills

Take all courses.

ENG 101	English Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102 or COM 110	English Composition II or Public Speaking	3	ENGLISH 1160 or SPMS 1185	Writing and Research or Principles of Speech <small>Applies to degree as Gen Ed Communication requirement.</small>	3
Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12	Foreign Language	Foreign Language <small>3 semesters of same language OR 2 semesters of each of two different languages</small>	12
Total Hours			18		

Major Requirements

Take all courses.

BIO 101 or BIO 103	General Biology (5) or Biology for Majors I (4)	4	BIO SCI 1113, 1219 or BIO SCI 1213, 1219	General Biology and Lab or Principles of Biology and Lab	4
CHM 111	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHM 112	General Chemistry II	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
Total Hours			14		

Mathematics and Physical Sciences

Select 9 hours to include college algebra or higher math.

MTH 134	College Algebra or higher math	3	MATH 1140	College Algebra or higher math	3
PHY 106 or PHY 111	Intro to Astronomy (4) or Elementary College Physics I (5) MOTR PHYS 150L or other physics	4	PHYSICS 1505, 1509 or PHYSICS 1145	Introductory Astronomy and Lab or College Physics MOTR PHYS 150L or other physics	4
PHY 105	Physical Geology	4	GEOLOGY 1110	Physical and Environmental Geology or other geology	3
Physics or Geology	Other physics or geology.	3	Mathematics	Other physics or geology.	3
Mathematics	Other mathematics higher than college algebra.	3	Mathematics	Other mathematics higher than college algebra.	3
Total Hours			9		

Humanities

Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.

ART 101 or MUS 121 or THT 100	Art Appreciation or Appreciation of Music or Intro to Theatre	3	ART 1180 or MUSIC 1150 or THEATRE 1190	Art Appreciation or Music Appreciation or Theatre via Video	3
ENG 225 or ENG 226 or ENG 228 or ENG 229 or ENG 215 or Literature	English Literature before 1800 or English Literature after 1800 or American Literature before 1865 or American Literature after 1865 or World Literature before 1650 or Any literature with prerequisite of no more than English Composition I.	3	ENGLISH 1211 or ENGLISH 1212 or ENGLISH 1221 or ENGLISH 1222 or ENGLISH 1231 or Literature	British Literature I: The Beginnings to 1800 or British Literature II: 1800 to Present or American Literature: 1600 to 1865 or American Literature: 1865 to Present or World Literature I: Beginnings to The Renaissance or Any literature with prerequisite of no more than ENGLISH 1120.	3
PHL 102 or PHL 101	Intro to Philosophy or Logic	3	PHILOS 1105 or PHILOS 1115	Self and World: Intro to Philosophy or Logic and Reasoning: An Introduction	3
Total Hours			9		

Social Sciences

Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology.

ECO 102 or ECO 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSC 102	US and Missouri Govt and Constitution	3	POL SCI 1200	American Government	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
Total Hours			9		

Additional Degree Requirements

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

CIS 155	Intro to Computer Programming	3	COMP SCI 1971, 1981	Intro to Programming Method and Lab (3) <small>Satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course.</small>	3-4
BIO 201	Genetics	4	BIO SCI 2223	General Genetics	3
CHM 200	Organic Chemistry I	5	CHEM 2210, 2219*	Organic Chemistry I (3) and Lab* (1) <small>*The lab is not a degree requirement, transfers as general elective credit.</small>	4
CHM 201	Organic Chemistry II	5	CHEM 2220, 2229*	Organic Chemistry II (3) and Lab* (1) <small>*The lab is not a degree requirement, transfers as general elective credit.</small>	4
HST 201	Ancient and Medieval Civilization	3	HISTORY 1100	Early Western Civilization	3
HST 202	Renaissance to Early Mod Europe MOTR WCIV 102	3	HISTORY 1200	Modern Western Civilization MOTR WCIV 102	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.
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