

Jefferson College — Missouri S&T

Biological Sciences BS

Transfer Guide Effective as of Fall 2024

Jefferson 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		6	Total Hours		6

Social Sciences

Select 9 credit hours to include one course to satisfy state requirement.

HST 202 or HST 103 or HST 104 or PSC 102	Renaissance to Early Mod Europe MOTR WCIV 102 or US History I to Reconstruction or US History II from Reconstruction or US and Missouri Govt. and Constitution <small>At least one of these courses is required to satisfy a State of Missouri requirement.</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization MOTR WCIV 102 or American History to 1877 or American History Since 1877 or American Government <small>At least one of these courses is required to satisfy a State of Missouri requirement.</small>	3
ECO 102 or ECO 101	Microeconomics or Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology	3
Social Science	Other economics, history, political science, sociology, psychology.	3	Social Science	Other economics, history, political science, sociology, psychology.	3
Total Hours		9	Total Hours		9

Humanities

Select 6 hours.

ART 101	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 121	Appreciation of Music	3	MUSIC 1150	Music Understanding and Appreciation	3
THT 100	Theatre Appreciation	3	THEATRE 1190	Theatre via Video	3
ENG 130	English Life and Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 175	American Literature I	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 215	World Literature before 1650	3	ENGLISH 1231	World Literature I	3
PHL 102	Intro to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
Fine Arts	Other fine art, literature, or philosophy	3	Fine Arts	Other fine art, literature, or philosophy	3
Total Hours		6	Total Hours		6

Mathematics and Sciences

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
MTH 161 or MTH 180	Calculus for Business and Social Sciences or Calculus I	5	MATH 1212 or MATH 1214	Survey of Calculus or Calculus I	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 Lab (2) <small>*Note: Chem 1510 is not an S&T degree requirement. Will transfer as general credit.</small>	3
CHM 200	Organic Chemistry I	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 201	Organic Chemistry II	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
PHY 111 or PHY 223	Elementary College Physics I MOTR 150L (5) or General Physics I (4)	4	PHYSICS 1145 or PHYSICS 1135	College Physics I MOTR 105L OR Engineering Physics I	4
PHY 112* or PHY 224	Elementary College Physics II* (4) or General Physics II	4	PHYSICS 2145* or PHYSICS 2135	College Physics II* or Engineering Physics II <small>*The combination of JC PHY 111 and 112 is equivalent to the combination of S&T PHYSICS 1145 and 2145. Both courses must be taken to receive full credit.</small>	4
Total Hours		37	Total Hours		32

Additional Degree Requirements

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

BIO 201	Genetics	4	BIO SCI 2223	General Genetics	3
---------	----------	---	--------------	------------------	---

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

64

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.