

# St. Louis Community Colleges — Missouri S&T

## Biological Sciences BS Transfer Guide

Effective as of Fall 2020

### St. Louis Community Colleges

### Missouri S&T

#### Communication Skills (Take all courses)

ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
ENG 102	College Composition II	3	ENGLISH 1160	Writing and Research	3
COM 107	Public Speaking (if required for AA degree)	3	SPMS 1185	Principles of Speech (Not required for S&T degree. Transfers as a free elective)	3
Total Hours			Total Hours		
9			9		

#### Social Sciences (Select 9 credit hours to include one course to satisfy state requirement)

HST 128 or HST 101 or HST 102 or PSC 101	Western Civilization 1500 to Present or US History to 1865 or US History 1865 to Present or Intro to American Politics <small>(At least one of these courses is required to satisfy state requirement)</small>	3	HISTORY 1200 or HISTORY 1300 or HISTORY 1310 or POL SCI 1200	Modern Western Civilization or American History to 1877 or American History Since 1877 or American Government <small>(At least one of these courses is required to satisfy state requirement)</small>	3
ECO 152 or ECO 151	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
PSY 200	General Psychology	3	PSYCH 1101	General Psychology	3
<i>See your advisor for course options</i>			<i>Other economics, history, political science, sociology, psychology elective.</i>		
Total Hours			Total Hours		
9			9		

#### Humanities (Select 6 hours)

ART 100	Art Appreciation	3	ART 1180	Art Appreciation	3
MUS 114	Music Appreciation	3	MUSIC 1150	Music Understanding and Appreciation	3
THT 101	Intro to Theatre	3	THEATRE 1190	Theatre Appreciation	3
ENG 210	British Literature I	3	ENGLISH 1211	British Literature I: The Beginnings to 1800	3
ENG 204 or ENG 205	American Literature I or American Literature II	3	ENGLISH 1221	American Literature: 1600 to 1865	3
ENG 231	World Literature	3	ENGLISH 1231	World Literature I	3
ENG 216	Women in Literature	3	ENGLISH 2242	Literature by Women	3
ENG 217	Major Black Writers	3	ENGLISH 2245	African American Literature	3
PHL 101	Intro to Philosophy	3	PHILOS 1105	Intro to Philosophy	3
<i>See your advisor for course options</i>			<i>Other fine art, literature, or philosophy elective</i>		
Total Hours			Total Hours		
6			6		

#### Mathematics and Sciences (Take all courses)

MTH 186 or MTH 210	Survey of Calculus (4) or Analytic Geometry and Calculus I (5)	4-5	MATH 1212 or MATH 1214	Business Calculus or Calculus for Engineers I	4
CHM 105	General Chemistry I	5	CHEM 1310,1319	General Chemistry I and Lab	5
CHM 106	General Chemistry II	5	CHEM 1320,1510	General Chemistry II (3) and Qualitative Analysis (2)* <small>*Note: CHEM 1510 is not an S&amp;T degree requirement; course will transfer as elective credit.</small>	3
CHM 206, 210	Organic Chemistry I and Lab	5	CHEM 2210, 2219	Organic Chemistry I and Lab	4
CHM 207, 211	Organic Chemistry II and Lab	5	CHEM 2220, 2229	Organic Chemistry II and Lab	4
PHY 111 or PHY 122	College Physics I (4) or Engineering Physics (5)	4-5	PHYSICS 1145, 1119 or PHYSICS 1135	College Physics I and Lab or Engineering Physics I	4
PHY 112 or PHY 223	College Physics II (4) or Engineering Physics II (5)	4-5	PHYSICS 2145, 2119 or PHYSICS 2135	College Physics II and Lab or Engineering Physics II	4
BIO 140	Principles of Biology I	5	BIO SCI 1113, 1219	General Biology and Lab	5
Total Hours			Total Hours		
37			33		

#### Additional Degree Requirements (Select up to 7 hours)

BIO 141	Principles of Biology II	4	BIO SCI 1223, 1229	Biodiversity and Lab	4
BIO 225	Genetics	5	BIO SCI 2223	General Genetics	3
BIO 117	Conservation and Ecology	3	BIO SCI 2263	Ecology	3
Total Hours			Total Hours		
3			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.