## St. Louis Community College — Missouri S&T

**Biological Sciences BA** 

Transfer Guide Effective as of Fall 2024

EMS 102   College Composition II or other composition courses   3   EMS LISH 1160   Writing and Research or other composition courses   3   Service I Language   1   2   5   5   6   1   1   1   1   1   1   1   1   1		St. Louis Community College			Missouri S&T	
ENG 1910		C	ommuni	ication Skills		
ENG 102   College Composition of an other composition courses   3   ENGLISH 11160   Writing and Research or other composition courses   3   Foreign Language   Seminator of same language of present and pages   Total Hours   18   Total Hours			Take a	II courses.		
Foreign Language   Semesters of each of two dileters   12	ENG 101	College Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
Total Hours   12   Foreign Language   3	ENG 102	College Composition II or other composition course	3	ENGLISH 1160	Writing and Research or other composition course	3
Total Hours   18	Foreign Language	3 semesters of same language OR 2 semesters of each of two different	12	Foreign Language	3 semesters of same language OR 2 semesters of each of two different	12
Table			s 18			s 18
MITH 160			Math an	d Sciences		
MITH 160			Take a	Il courses.		
BIO 111 or	MTH 160	Precalculus Algebra or higher math			College Algebra or higher math	3
BIO 140 Principles of Biology (1 5) 4 BIO SCI 12/3, 12/29 Biolocy and Lab 4 4 CHM 105 General Chemistry I 1 5 BIO SCI 12/3, 12/29 Biolocy and Lab 4 4 CHM 105 General Chemistry I 1 5 BIO SCI 12/3, 12/29 Biolocy and Lab 5 5 CHEM 1310, 1319 General Chemistry I I (3) and Qualitative Analysis (2) chemistry I I (4) and Qualitative Analysis (2) chemistry I (4) and Qu		9 -				
BID 0   141	BIO 140		4			4
CHM 106   General Chemistry II   S	BIO 141		5	BIO SCI 1223, 1229	,	4
CHEM 1300, 1510*   Chemistry II   S	CHM 105	General Chemistry I	5	CHEM 1310, 1319	General Chemistry I and Lab	5
CHEM 1300, 1510*   Chemistry II   S		,			•	
	CHM 106	General Chemistry II	5	CHEM 1320, 1510*	*Chem 1510 is not an S&T degree reguirement. Will transfer as general	3
Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature.  ART 100 or Art Appreciation or Music Appreciation or Music Appreciation or Music Independent or Interest of Department of Music Understanding and Appreciation or Music Understanding and Appreciation or 1 Music Understanding and		Total Hour	s 22			: 19
Select 9 hours to include at least one course in each of the Following areas: fine arts (art, music, or theatre), philosophy, literature.  ART 100 or Art Appreciation or Music Understanding and Appreciation or 3 Music 1150 or Music Understanding and Appreciation or 3 Music 1150 or Music Understanding and Appreciation or 3 THT 101 Intro to Theatre or other fine art 1180 or Art Appreciation or Music Understanding and Appreciation or 3 THE ARTRE 1190 Theatre via Video or other fine art 1180 or Present or 1180 or Principles of Microeconomics or 1180 or Principles		Total Hour		anition	i otal i loui.	3 13
ART 100 or   Art Appreciation or   Music Appreciation or   Music 114 or   Music Appreciation or   3 minor to Theatre or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   Theatre via Video or other fine art   THEATRE 1190   THEAT						
MUSIC 14 or   Music Appreciation or   3   MUSIC 1150 or   Music Understanding and Appreciation or   3   THEATRE 1190   Theatre via Video or other fine art   1   1   1   1   1   1   1   1   1	ADT 400		of the follo			
THE TION   Intro to Theatre or other fine and   THEATRE 1190   Theatre via Video or other fine and		• • • • • • • • • • • • • • • • • • • •	0			0
ENG 211 or   British Literature II or   American Literature II or   American Literature I or   American Literature   Intro I or   In		• •	3			3
ENG 294 or   American Literature   or   ENGLISH 1221 or   American Literature: 1600 to 1865 or						
ENG 231 or World Literature or Women in Literature or BNG 217 Major Black Writers or other literature or other						
ENG 216 or Major Black Writers or other filerature or Major Black Writers or other filerature or other fil						
ENG 217  Major Black Writers or other literature protection of the literature or other literature or other literature or other literature protection of the literature or other literature or other literature protection of the literature or other l			3			3
PHL 101 Intro to Philosophy or other philosophy  Total Hours  Total Hours  Social Sciences  Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.  ECO 152 or Principles of Microeconomics or Other philosophy or other philoso					•	
Total Hours 9  Total Hours 9  Social Sciences  Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.  ECO 152 or Principles of Microeconomics or other economics and principles of Microeconomics or other economics or other political science and psychology.  ECO 151 Principles of Microeconomics or other economics and principles of Microeconomics or other economics or other political science and psychology or other psychology or other psychology or other psychology and psychology or other psychology or other psychology and psychology and psychology or other psychology and psycholog	LNO 211			LIVOLIOIT 2243 01		
Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.  ECO 152 or Principles of Microeconomics or Principles of Microeconomics or Principles of Microeconomics or Principles of Macroeconomics or Principles of Macroeconomics or Principles of Macroeconomics or Operation of Macroec	PHL 101	Intro to Philosophy or other philosophy	3	PHILOS 1105		3
Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.  ECO 152 or Principles of Microeconomics or Principles of Microeconomics or SECO 151 Principles of Macroeconomics or other economics or Principles of Macroeconomics or Other psychology or other psychol		Total Hours	s 9			s 9
Select 6 hours to include classes in two of the following three areas: economics, political science, and psychology.  ECO 152 or Principles of Microeconomics or Principles of Microeconomics or SECO 151 Principles of Macroeconomics or other economics or Principles of Macroeconomics or Other psychology or other psychol			Social	Sciences		
ECO 152 or Principles of Microeconomics or Operation of Operation of Microeconomics or Operation of Operation o		Salant 6 hours to include alanges in two of the			valitical asiance, and navahalagy	
ECO 151 Principles of Macroeconomics or other economics PSC 101 Intro to American Politics or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 American Government or other political science 3 POL SCI 1200 POL Political Science SCI 1200 Political Sc	ECO 152 or		Tollowing			
PSC 101 Intro to American Politics or other political science 3 PSY 200 General Psychology or other psychology 3 PSYCH 1101 General Psychology or other psychology 3 PSYCH 1101 General Psychology or other psychology 3 Total Hours 6 Additional Degree Requirements    Consequence   Con		·	3		•	3
PSY 200 General Psychology or other psychology Total Hours Additional Degree Requirements  Select additional courses to total up to the maximum transfer credit hours shown below.  Select additional courses to total up to the maximum transfer credit hours shown below.  BUS 201* or Introductory Statistics* (3) or Intro			3		•	3
Additional Degree Requirements  Select additional courses to total up to the maximum transfer credit hours shown below.  BUS 201* or Introductory Statistics* (3) or Introductory Statistics* (4) or Introductory Statistics*						
Select additional courses to total up to the maximum transfer credit hours shown below.  BUS 201* or	01 200			1010111101		
Select additional courses to total up to the maximum transfer credit hours shown below.  BUS 201* or		Additio	nal Deg	ree Requirements		
BUS 201* or Elementary Statistics* (3) or Introductory Statistics* (3) or Introductory Statistics* (3) or Introductory Statistics* (3) or Scientific Computer Programming (3) or Scientific Computer Programming (4) or Scientific Computer Programming I (4) or Scientific Computer Programming II (4) or Scientific Computer Statistics (4) or Scientific Computer Statistics (4) or Scientific Computer Statistics (5) satisfies a computer science/statistics requirement. Credit hours apply to degree totals as indicated for each course. Will be substituted for STAT 3111.  BIO 225 Genetics 5 BIO SCI 2223 General Genetics 3 BIO 117 Conservation and Ecology 3 BIO SCI 2263 Ecology 3 CHM 206 Organic Chemistry I 3 CHEM 2210 Organic Chemistry I 4 CHM 207 Organic Chemistry II 3 CHEM 2220 Organic Chemistry II 4 HST 115 Ancient and Medieval History to 1500 3 HISTORY 1100 Early Western Civilization 3 HST 128 Western Civilization 1500 to Present 3 HISTORY 1200 Modern Western Civilization 3			· ·	•	nours shown below	
MTH 180* or Introductory Statistics* (3) or Scientific Computer Programming (3) or Scientific Computer Programming (3) or Scientific Computer Programming (4) or Scientific Computer Programming I (4) or Scientific Computer Programming II (4) or Scientific Requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Programming II (4) or Scientific Requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Will be substituted for STAT 3111.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for each course.  Scientific Computer Science/Statistics requirement. Credit hours apply to degree totals as indicated for ea	BUS 201* or		rup to the	maximum transfer credit i		
ESC 101 or Scientific Computer Programming (3) or 3-4 IS 167 or C++ Programming I (4) or IS 267 C++ Programming II (4) or IS 267 C++					· · · · · · · · · · · · · · · · · · ·	
IS 167 or IS 267         C++ Programming I (4) or IS 267         CS 19/1, 1981         degree totals as indicated for each course.           BIO 225         Genetics         5         BIO SCI 2223         General Genetics         3           BIO 117         Conservation and Ecology         3         BIO SCI 2263         Ecology         3           CHM 206         Organic Chemistry I         3         CHEM 2210         Organic Chemistry I         4           CHM 207         Organic Chemistry II         3         CHEM 2220         Organic Chemistry II         4           HST 115         Ancient and Medieval History to 1500         3         HISTORY 1100         Early Western Civilization         3           HST 128         Western Civilization 1500 to Present         3         HISTORY 1200         Modern Western Civilization         3			3-4			3-4
S 267			0.	CS 1971, 1981		٠.
BIO 225         Genetics         5         BIO SCI 2223         General Genetics         3           BIO 117         Conservation and Ecology         3         BIO SCI 2263         Ecology         3           CHM 206         Organic Chemistry I         3         CHEM 2210         Organic Chemistry I         4           CHM 207         Organic Chemistry II         3         CHEM 2220         Organic Chemistry II         4           HST 115         Ancient and Medieval History to 1500         3         HISTORY 1100         Early Western Civilization         3           HST 128         Western Civilization 1500 to Present         3         HISTORY 1200         Modern Western Civilization         3						
BIO 117         Conservation and Ecology         3         BIO SCI 2263         Ecology         3           CHM 206         Organic Chemistry I         3         CHEM 2210         Organic Chemistry I         4           CHM 207         Organic Chemistry II         3         CHEM 2220         Organic Chemistry II         4           HST 115         Ancient and Medieval History to 1500         3         HISTORY 1100         Early Western Civilization         3           HST 128         Western Civilization 1500 to Present         3         HISTORY 1200         Modern Western Civilization         3		G ( )	5	BIO SCI 2223		3
CHM 206 Organic Chemistry I 3 CHEM 2210 Organic Chemistry I 4 CHM 207 Organic Chemistry II 3 CHEM 2220 Organic Chemistry II 4 HST 115 Ancient and Medieval History to 1500 3 HISTORY 1100 Early Western Civilization 3 HST 128 Western Civilization 1500 to Present 3 HISTORY 1200 Modern Western Civilization 3						
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HST 128 Western Civilization 1500 to Present 3 HISTORY 1200 Modern Western Civilization 3					•	
	HST 128					
Maximum credit hours to be transferred to Missouri S&T degree requirements. 60						
		Maximum credit hours to be trans	sferred t	o Missouri S&T degre	ee 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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2024. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.