## Moberly Area Community College — Missouri S&T

Physics BS Transfer Guide

Effective as of Fall 2023

<u> </u>	Moberly Area Community College			Missouri S&T	
			tion Skills (Take all		
LAL 101	Composition I	3	ENGLISH 1120	Exposition and Argumentation	3
LAL 102	Composition II	3	ENGLISH 1160	Writing and Research	3
	Total Hours	6		Total Hours	6
			and Science (Take a	•	
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
MTH 203	Analytic Geometry and Calculus III	5	MATH 2222	Calculus III	4
PHY 121 PHY 122	General Chemistry I General Chemistry II	5 5	CHEM 1310, 1319 CHEM 1320	General Chemistry I and Lab General Chemistry II	5 3
PHY 201	Engineering Physics I	5	PHYSICS 1135	Engineering Physics I	4
PHY 202	Engineering Physics II	5	PHYSICS 2135	Engineering Physics II	4
1111 202	Total Hours	35	11110100 2100	Total Hours	28
			Social Sciences		
	Select 9 hours to include	at le		tisfy the state requirement.	
HST 102 or	Western Civilization II or	at io	HISTORY 1200 or	Modern Western Civilization or	
HST 102 or	American History to 1865 or		HISTORY 1300 or	American History to 1877 or	
HST 106 or	American History fromn 1865 or	2	HISTORY 1310 or	American History Since 1877 or	3
PSC 105	Intro to American Government	3	POL SCI 1200	American Government	3
	(At least one of these courses is required to satisfy state			(At least one of these courses is required to satisfy state requirement)	
	requirement)		FCON 4400 or	Dringinles of Migraposporation or	
ECN 102 or	Microeconomics or	3	ECON 1100 or ECON 1200	Principles of Microeconomics or Principles of Macroeconomics	3
ECN 101	Macroeconomics	3	ECON 1200	(or other economics)	3
PSY 101	General Psychology	3	PSYCH 1101	General Psychology (or other psychology)	3
	Social Sciences Elective: Any economics,			Social Sciences Elective: Any economics, history,	
	history, political science, sociology, psychology elective	3	Social Sciences	political science, sociology, psychology elective	3
	Total Hours	9		Total Hours	9
	Calast Canad	Ballian.	Humanities	t and Richardson	
	Select 6 cred	iit nol	ırs to include at leas		
PHI 150	Introduction to Philosophy	3	PHILOS 1105	Self and World: Intro to Philosophy	3
1	. ,			(or other philosophy)	J
ART 101 or	Art Survey and Appreciation I or	3	ART 118	(or other philosophy)  Art Appreciation (or other fine art)	3
ART 102	Art Survey and Appreciation I or Art Survey and Appreciation I			Art Appreciation (or other fine art)	3
ART 102 MUS 101 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or	3	ART 118 MUS 1150		
ART 102 MUS 101 or MUS 102	Art Survey and Appreciation I or Art Survey and Appreciation I			Art Appreciation (or other fine art)  Music Understanding and Appreciation	3
ART 102 MUS 101 or MUS 102 DRM 120	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation	3	MUS 1150	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)	3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or	3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)	3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or	3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1221 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or	3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or LAL 255 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or	3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or	3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature	3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1221 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature	3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or LAL 255 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or	3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or	3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or LAL 255 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective	3 3 3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective	3 3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or LAL 255 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective Total Hours	3 3 3 3 6	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours	3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or LAL 255 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective Total Hours	3 3 3 3 6 Idition	MUS 1150  THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours	3 3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 120 or LAL 210 or LAL 255 or LAL 125	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to	3 3 3 6 Idition	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or ENGLISH 2245 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  ments  mesfer credit hours shown below.	3 3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 210 or LAL 255 or LAL 125	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to	3 3 3 3 6 Idition	MUS 1150  THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours	3 3 3 3
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 210 or LAL 255 or LAL 125	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to Differential Equations Object-Oriented Programming I or	3 3 3 6 Idition	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or ENGLISH 2245 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  ments  mesfer credit hours shown below.	3 3 3 3
MTH 250 ITC 1243 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to Differential Equations Object-Oriented Programming I or Object-Oriented Programming II: Java or	3 3 3 6 Idition	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or ENGLISH 2245 or	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  ments  mesfer credit hours shown below.	3 3 3 3
MTH 250 ITC 244 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to Differential Equations Object-Oriented Programming I or Object-Oriented Programming II: Java or Object-Oriented Programming II: C# or	3 3 3 6 ddition otal up	MUS 1150  THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or  ENGLISH 3245 or  The property of the maximum training the second s	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  nents  Insfer credit hours shown below.  Elementary Differential Equations	3 3 3 3 6
ART 102 MUS 101 or MUS 102 DRM 120 LAL 150 or LAL 210 or LAL 255 or LAL 125	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to Differential Equations Object-Oriented Programming I or Object-Oriented Programming II: Java or Object-Oriented Programming II: C# or Python Programming	3 3 3 6 Idition tal up 3	MUS 1150  THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or  ENGLISH 3245 or  The property of the maximum training the second s	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  nents  Insfer credit hours shown below.  Elementary Differential Equations  Computational Problem Solving	3 3 3 3 6
MTH 250 ITC 244 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to Differential Equations Object-Oriented Programming I or Object-Oriented Programming II: Java or Object-Oriented Programming II: C# or	3 3 3 6 ddition otal up	MUS 1150  THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or  ENGLISH 3245 or  The property of the maximum training the second s	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  nents  Insfer credit hours shown below.  Elementary Differential Equations	3 3 3 3 6
MTH 250 ITC 244 or	Art Survey and Appreciation I or Art Survey and Appreciation I Fundamentals of Music or Music Appreciation Theatre Appreciation English Literature Survey to 1750 or American Literature Survey to 1870 or A Survey of World Literature I or Women's Literature or African-American Literature (or other literature elective) Other fine art, literature, or philosophy elective  Total Hours  Acc Select additional courses to to Differential Equations Object-Oriented Programming I or Object-Oriented Programming II: Java or Object-Oriented Programming II: C# or Python Programming	3 3 3 4 3 6 ddition tal up 3 3	MUS 1150 THEATRE 1190 ENGLISH 1211 or ENGLISH 1221 or ENGLISH 1231 or ENGLISH 2242 or ENGLISH 2245 or ENGLISH 2245 or  to the maximum tra MATH 3304 CS 1500	Art Appreciation (or other fine art)  Music Understanding and Appreciation (or other music)  Theatre via Video (or other theater)  British Literature I: The Beginnings to 1800 or American Literature: 1600 to 1865 or World Literature I or Literature by Women or African American Literature (or other literature elective)  Other fine art, literature, or philosophy elective  Total Hours  ments  msfer credit hours shown below.  Elementary Differential Equations  Computational Problem Solving  Maximum Free Electives	3 3 3 3 6

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 2023. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.