Mineral Area College — Missouri S&T

Biological Sciences BA

Transfer Guide Effective as of Fall 2025

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

BIO 1150 General Biology 5 5 BIO SCI 1113, 1219 General Biology and Lab PHS 1350 General Chemistry I 5 CHEM 1310, 1319 General Chemistry I and Lab PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry I (3) and Qualitative Analysis (2) PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry II (3) and Qualitative Analysis (2) PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry II (3) and Qualitative Analysis (2) Total Hours MATH and Physical Sciences Select 9 hours to include college algebra or higher math. MAT 1230 College Algebra or higher math MAT 1230 College Algebra or higher math PHS 1200 Into to Astronomy 3 MATH 1140 College Algebra or higher math PHS 1200 Into to Astronomy 3 Physics of Geology Mathematics Other mathematics higher than college algebra 3 Mathematics Other mathematics higher than college algebra 3 Mathematics Other mathematics higher than college algebra 6 Thours 9 Total Hours Humanities Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatro), philosophy, literature. ART 1490 or History of Art I or MUS 1630 or Appreciation of Music or 13 MUSIC 1150 or Matic Understanding and Appreciation or Music Indicates the Chemistry II or British Literature I or 14 ENGLISH 1221 or American Literature I is the Beginnings to 1800 or English Literature I or 14 ENGLISH 1221 or American Literature I is 1800 to Present PHI 1400 Into to Philosophy 1 3 PHILOS 1100 or Phinosophy 1 Total Hours Social Sciences Social Sciences I Principles of Microeconomics or 10 Physics II bear of the Science I Principles of Microeconomics or 10 Physics II bear of the Science I Principles of Microeconomics or 10 Physics II bear of the Science I Principles of Microeconomics or 10 Physics II bear of the Science I Principles of Microeconomics or 10 Physics II bear of	<u>Missouri S&T</u>			Mineral Area College			
ENG 1340 or English Composition or English (Audit Composition or			ication Skills	ommuni	Co		
ENG 1340 or Public Speaking and Public Speaking State of the Communication or Public Speaking State of Speaking State of Speaking			Il courses.	Take a			
End 1440 Public Opeaking Public Opeaking Public Opeaking Semantic of the Control of Semantic	3	, ,	ENGLISH 1120	3	English Composition I	ENG 1330	
Foreign Language 3 sensets of ame language OR 2 sensets of each of low officered. 3 sensets of ame language OR 2 sensets of each of low officered. 4 Total Hours Wajor Requirements	3	Principles of Speech		3	•		
Total Hours Major Requirements Table all courses	12	Foreign Language 3 semesters of same language OR 2 semesters of each of two different	Foreign Language	12	3 semesters of same language OR 2 semesters of each of two different	Foreign Language	
BIO 1150 General Biology 5 BIO SCI 1113 , 1219 General Biology and Lab PHS 1350 General Chemistry I 5 CHEM 1310, 1319 General Chemistry I and Lab PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry II (3) and Qualitative Analysis (2) CHEM 1310 and Physical Sciences	18	Total Hours		18			
BIO 1150 General Biology 5 BIO SCI 1113 , 1219 General Biology and Lab PHS 1350 General Chemistry I 5 CHEM 1310, 1319 General Chemistry I and Lab PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry II (3) and Qualitative Analysis (2) CHEM 1310 and Physical Sciences			quirements	lajor Re	М		
PHS 1350 General Chemistry I 5 CHEM 1310, 1319 General Chemistry I and Lab PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry II (3) and Qualitative Analysis (2) Total Hours 14 Total Hours 15 Total Hours 16 Total Hours 16 Total Hours 17 Total Hours 17 Total Hours 18 Total			Il courses.	Take a			
PHS 1390 General Chemistry II 4 CHEM 1320, 1510* General Chemistry II (3) and Qualitative Analysis (2) Total Hours Math and Physical Sciences	4	General Biology and Lab	BIO SCI 1113, 1219	5	General Biology	BIO 1150	
Total Hours 14 Total Hours 14 Total Hours 14 Math and Physical Sciences Select 9 hours to include college algebra or higher math. MAT 1230 College Algebra or higher math ART 1230 Intro to Astronomy Physics or Geology Other physics or geology. Mathematics Other mathematics higher than college algebra. Total Hours Total Hours 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 1490 or History of Art 1 or Appreciation of Music or Appreciation of Music or Appreciation of Music or Appreciation of Music or Theatre in the Theatre in thea	5	General Chemistry I and Lab	CHEM 1310, 1319	5	General Chemistry I	PHS 1350	
MAT 1230 College Algebra or higher math MAT 1230 Intro to Astronomy Physics or Geology Other physics or geology. Mathematics Other mathematics higher than college algebra. 3 Physics or Geology Mathematics Other mathematics higher than college algebra. 3 Physics or Geology Mathematics Other mathematics higher than college algebra. Total Hours 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 1490 or History of Art I or History of Art I or ART 1490 or History of Art I or Music Understanding and Appreciation or The 1900 Intro to Theatre ENGLISH 1211 or ENGLISH 1211 or British Literature I: The Beginnings to 1800 or ENG 2340 or English Literature II or ENG 2440 American Literature II or ENGLISH 1222 American Literature: 1865 to Present PHI 1400 Intro to Philosophy Total Hours Social Sciences Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2930 Principles of Microeconomics or BUS 2930 Principles of Microeconomics or BUS 2930 Principles of Microeconomics Fold Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Satisfies a complete science/additions guiter energy or total hours Satisfies a complete science/additions guiter energy or total hours Additional Degree Requirements Satisfies a complete science/additions gu	3	General Chemistry II (3) and Qualitative Analysis (2) *OHEM 1510 is not a degree requirement, transfers as general elective credit.	CHEM 1320, 1510*	4	General Chemistry II	PHS 1390	
MAT 1230 College Algebra or higher math AT 1230 College Algebra or higher math AT 1230 College Algebra or higher math AT 1230 Intro to Astronomy AT 1200 Other physics or geology. AT 1200 Other physics or geology. AT 1200 Other mathematics higher than college algebra. AT 1200	12	Total Hours		14	Total Hours		
MAT 1230 College Algebra or higher math MAT 1230 College Algebra or higher math 3 MATH 1140 College Algebra or higher math PHS 1200 Intro to Astronomy PHS 1200 Intro to Astronomy PHS 1200 Other physics or geology. 3 Physics or Geology Other physics or geology. Mathematics Other mathematics higher than college algebra. 3 Physics or Geology Other mathematics higher than college algebra. Total Hours Hurmanities Select 9 hours to include at least one course in each of the following areas: fine arts (art, music, or theatre), philosophy, literature. ART 1490 or History of Art I or ART 1490 or Appreciation of Music or THE 1000 Intro to Theatre ENG 2340 or English Literature I or ENG 2340 or English Literature I or ENG 2340 or American Literature I or ENG 2440 American Literature I or ENG 2450 American Literature I or ENG 2460 American Literature I or ENG 2470 American Literature I or ENG 2480 or American Literature I or ENG 2490 or American Literature I or ENG 2500 American Covernment FOR 3 PHILOS American Covernment FOR 3 PHILO			vsical Sciences				
MAT 1230 College Algebra or higher math MAT 1230 Intro to Astronomy Intro to Astronomy Other physics or geology. Mathematics Other mathematics higher than college algebra. Total Hours Total Hours Total Hours ART 1490 or History of Art I or Appreciation of Music or Brigish Literature I or English Literature I or English Literature I or English Literature I or Brigish Literature I or		th.					
PHS 1200 Intro to Astronomy 3 PHYSICS 1505 Introductory Astronomy Physics or Geology Other physics or geology. Mathematics Other mathematics higher than college algebra. 3 Mathematics Other mathematics higher than college algebra. Total Hours 9 Total Hours 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 1490 or History of Art 1 or ART 1180 or Art Appreciation or Music Understanding and Appreciation or THE 1000 Intro to Theatre THEATRE 1190 THEATRE 1190 Theatre video English Literature I or ENG 2430 or American Literature I or ENG 2430 or American Literature I English Literatur	3					MAT 1230	
Physics or Geology Mathematics Other mathematics higher than college algebra. Total Hours Total Hours 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 1490 or History of Art 1 or ART 1180 or Art Appreciation or Music or Appreciation of Music or Music Understanding and Appreciation or Intro to Theatre FNG 2340 or English Literature I or English Literature II or English Literature II or English Literature II or ENG LISH 1212 or English Literature II or ENG 2440 American Literature II English 1221 or American Literature: 1600 to 1865 or Present PHI 1400 Intro to Philosophy Total Hours Social Sciences Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2940 or Principles of Macroeconomics or Principles of Macroeconomics POS 1180 American Dictal Systems Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. STAT 1115* MAT 1260 Elementary Statistics 3 STAT 1115* Other mathematics higher than college algebra. Total Hours Total Hours Total Hours ART 1490 of Theatre mathematics higher than college algebra. Total Hours Total Hours Total Hours ART 1490 of Macroeconomics or Principles of Macroeconomics For a principle of Macroeconomics Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* Statistics a computer science/elafatics requirement. Credit hours apply to the maximum transfer credit hours apply to the ma	3		PHYSICS 1505	3			
Mathematics Other mathematics higher than college algebra. 3 Mathematics Other mathematics higher than college algebra. Total Hours 9 Total Hours Humanities 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 1490 or Appreciation of Music Understanding and Appreciation or Music Understanding and Appreciation or The 1000 Intro to Theatre The Theatre The Theatre The Theatre The Head of Theatre The Theatre The Theatre The Theatre The Theatre The Theatre The Theatre Theatre	3				•		
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 1490 or History of Art 1 or Appreciation of Music or 3 ART 1180 or Music Understanding and Appreciation or Intro to Theatre THEATRE 1190 Theatre via Video ENG 2330 or English Literature I or ENG 2440 or English Literature I or ENG 2440 American Literature II or ENG 2440 American Literature II English II E	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 1490 or MUS 1630 or Appreciation of Music or Intro to Theatre ENG 2330 or English Literature I or ENG 2340 or American Literature I or ENG 2440 ENG 2440 American Literature II English Interature II English Interature II English Literature II English Interature II English Interature II English Interature II English Interature II	9	Total Hours		9	Total Hours		
ART 1490 or MIS 1630 or Appreciation of Music or Appreciation of Music or Appreciation of Music or Appreciation of Music Of Theatre Music Understanding and Appreciation or Theatre via Video ENG 2330 or English Literature I or English Literature II or English Literature II or English Literature II or English Literature II or ENG 2340 or American Literature II or ENG 2430 or American Literature II or ENG 2440 American Literature II or ENG 2440 American Literature II Or ENG 2450 American L			nanities	Hum			
MUS 1630 or THE 1000 Intro to Theatre THE 1000 Intro to Theatre Intro		usic, or theatre), philosophy, literature.	wing areas: fine arts (art, m	f the follo	Select 9 hours to include at least one course in each of		
THE 1000 Intro to Theatre ENG 2330 or English Literature I or ENG 2340 or English Literature II or ENG 2340 or English Literature II or ENG 2430 or American Literature II or ENG 2430 or American Literature II or ENG 2440 American Literature II ENG 2440 American Literature: 1865 to Present ENG 2440 Intro to Philosophy Total Hours Social Sciences Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2940 or Principles of Microeconomics or ECON 1200 Principles of Microeconomics or ECON 1200 Principles of Macroeconomics POS 1180 American Political Systems Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. MAT 1260 Elementary Statistics 3 STAT 1115* Theatre via Video British Literature I: The Beginnings to 1800 or British Literature II: The Beginnings to 1800 or British Literature II: The Beginnings to 1800 or Present ENG LISH 1222 American Literature: 1865 to Present ENG LISH 1222 American Literature: 1865 to Present ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1865 or ENG LISH 1222 American Literature: 1860 to 1860 or ENG LISH 1222 American Literature: 1860 to 1860 or ENG LISH 1222 American Literature: 1860 to 1860 or ENG LISH 1222 American Literature: 1860 to 1860 or ENG LISH 1222 American Literature: 1860 to 1860 or ENG LISH 1222 American Literature: 1860 to 1860 or ENG LISH 1860 to 1860 or ENG LISH 1860 to 1860 or ENG LISH 1860 to 1860 or							
ENG 2330 or English Literature I or English Literature II is 1800 to Present English Literature II is 1800 to 1800 to 1800 to Present English Literature II is 1800 to 18	3	•		3	• • • • • • • • • • • • • • • • • • • •		
ENG 2340 or English Literature II or American Literature I or American Literature I or ENG 2430 or American Literature I or ENG 2440 American Literature II Or ENG 2440 American Literature II ENGLISH 1221 or American Literature: 1600 to 1865 or ENGLISH 1222 American Literature: 1865 to Present ENGLISH 1220 American Literature: 1865 to Present ENGLISH 1800 ENGLISH 1220 American Literature: 1865 to Present ENGLISH 1220 American Literature: 1865 to Present ENGLISH 1220 American Literature: 1865 to Present ENGLISH 1220 American Literature: 1865							
ENG 2430 or American Literature I or ENG 2440 American Literature II ENGLISH 1221 or American Literature: 1865 or Present PHI 1400 Intro to Philosophy 3 PHILOS 1105 Self and World: Intro to Philosophy Total Hours 9 Total Hours Social Sciences Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2940 or Principles of Microeconomics or BUS 2930 Principles of Macroeconomics POS 1180 American Political Systems 3 POL SCI 1200 Principles of Macroeconomics PSY 1130 General Psychology I 3 PSYCH 1101 General Psychology Total Hours 9 Total Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Statisfies a computer science/statistics requirement. Credit hours apply to	3	British Literature II: 1800 to Present		3	English Literature II or		
PHI 1400 Intro to Philosophy Total Hours Total Hours Social Sciences Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2940 or BUS 2930 Principles of Microeconomics or BUS 2930 Principles of Macroeconomics POS 1180 American Political Systems PSY 1130 General Psychology I Total Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. MAT 1260 Elementary Statistics 3 PHILOS 1105 Self and World: Intro to Philosophy Total Hours BUS 2940 or Principles of Microeconomics or BUS 2940 or Principles of Microeconomics or BUS 2930 Principles of Macroeconomics or BUS 2930 Principles of Macroeconomics POS 1180 American Government General Psychology I Total Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* Satisfies a computer science/statistics requirement. Credit hours apply to	Ü			Ü			
Total Hours Social Sciences Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2940 or Principles of Microeconomics or BUS 2930 Principles of Macroeconomics POS 1180 American Political Systems General Psychology I Total Hours 9 FOR 1100 OR FOR 1100 OR	3			3			
Select 9 hours to include 6 hours in two of the following three areas: economics, political science, and psychology. BUS 2940 or Principles of Microeconomics or BUS 2930 Principles of Macroeconomics or Principles of Macroeconomics or BUS 2930 Principles of Macroeconomics or BUS 293	9	Total Hours	1111200 1100			1111 1400	
BUS 2940 or Principles of Microeconomics or BUS 2930 Principles of Macroeconomics or Principles of Macroeconomics or BUS 2930 Principles of Macroeconomics or ECON 1200 Principles of Macroeconomics or ECON 1200 Principles of Macroeconomics or Principles o			Sciences	Social			
BUS 2930 Principles of Macroeconomics 3 ECON 1200 Principles of Macroeconomics POS 1180 American Political Systems 3 POL SCI 1200 American Government PSY 1130 General Psychology I PSYCH 1101 General Psychology Total Hours 9 Total Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* Salisfies a computer science/statistics requirement. Credit hours apply to		litical science, and psychology.	three areas: economics, po	following	Select 9 hours to include 6 hours in two of the fo		
Principles of Macroeconomics POS 1180 American Political Systems PSY 1130 American Political Systems Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* Salisfies a computer science/statistics requirement. Credit hours apply to	3	·		3	•		
PSY 1130 General Psychology I 3 PSYCH 1101 General Psychology Total Hours 9 Total Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* Satisfies a computer science/statistics requirement. Credit hours apply to	3	•			•		
Total Hours Additional Degree Requirements Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* MAT 1260 Elementary Statistics 3 STAT 1115* Satisfies a computer science/statistics requirement. Credit hours apply to	3						
Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* MAT 1260 Elementary Statistics 3 STAT 1115* Satisfies a computer science/statistics requirement. Credit hours apply to	9	Total Hours					
Select additional courses to total up to the maximum transfer credit hours shown below. Statistics for the Social Sciences I* MAT 1260 Elementary Statistics 3 STAT 1115* Satisfies a computer science/statistics requirement. Credit hours apply to			ree Requirements	nal Deg	Addition		
MAT 1260 Elementary Statistics 3 STAT 1115* Satisfies a computer science/statistics requirement. Credit hours apply to		urs shown below.					
IMAT 1260 Elementary Statistics 3 STAT 1115"							
degree totals as indicated for each course. *Will be substituted for STAT 3111.	3-4	degree totals as indicated for each course.	STAT 1115*	3	Elementary Statistics	MAT 1260	
HIS 1130 Western Civilization I 3 HISTORY 1100 Early Western Civilization	3						
HIS 1140 Western Civilization II 3 HISTORY 1200 Modern Western Civilization	3	Modern Western Civilization	HISTORY 1200	3	Western Civilization II	HIS 1140	
Maximum credit hours to be transferred to Missouri S&T degree requirements.	60	e requirements.	o Missouri S&T degree	ferred t	Maximum credit hours to be transf		
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.		isted above toward the Missouri S&T degree.	e than the maximum credit hours	apply more	Students must receive special permission from Missouri S&T to		
This transfer guide is published by Missouri University of Science and Technology and is in effect as of Fall 2025. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.							