Universidad San Francisco de Quito — Missouri S&T

Mining Engineering Transfer Guide

Effective Fall 2020

Universidad San Francisco de Quito			Missouri S&T		
Core Degree Requirements Take all courses in this section.					
MAT 1201 & MAT 1202	Calculus 1 +Ex & Calculus 2 +Ex	6	MATH 1214 & 1215	Calculus for Engineers I & Calculus for Engineers II	8
MAT 2203	Calculus 3	3	MATH 2222	Calculus with Analytic Geometry III	4
MAT 2002	Differential Equations	3	MATH 3304	Elementary Differential Equations	3
FIS 2701	Physics for Engineering 1 and Lab/Ex	3	PHYSICS 1135	Engineering Physics I	4
FIS 2702	Physics for Engineering 2 and Lab/Ex	3	PHYSICS 2135	Engineering Physics II	4
QUI 1003	General Chemistry 1 and Lab/Ex	3	CHEM 1310, 1319	General Chemistry I and Lab* *Will be substituted for CHEM 1310, 1319.	5
ENG 1001E	Writing and Rhetoric	3	ENGLISH 1120	Exposition and Argumentation	3
ESC 2002E	Research Writing	3	ENGLISH 1160	Writing and Research	3
ECN 1001	Introduction to Economics	3	ECON 1200	Principles of Macroeconomics	3
MAT 2008	Probability and Statistics +Ex	3	STAT 3115	Engineering Statistics	3
ICV 2001	Statics +Ex	3	CIV ENG 2200	Engineering Mechanics-Statics	3
IME 3002	Dynamics and vibrations +Ex	3	MECH ENG 2350	Engineering Mechanics-Dynamics	3
INQ 3001	Chemical Thermodynamics and Lab	3	MECH ENG 2527	Thermal Analysis* *Will be substituted for MECH ENG 2527.	3
IME 3005	Mechanics of Materials and Lab/Ex	3	CIV ENG 2210	Mechanics of Materials	3
ICV 3001	Fluid Mechanics	3	CIV ENG 3330	Engineering Fluid Mechanics	3
	This requirement will be waived.		CHEM 1100	Intro to Lab Safety and Hazardous Materials	1
	This requirement will be waived.		FR ENG 1100	Study and Careers in Engineering	1
	Core Requirements Total Hours	48		Core Requirements Total Hours	57
Technical Electives Select a maximum of 2 courses from this section					
ICV 3002	Eng. of Construction and Lab	3	CIV ENG 3116	Construction Materials, Properties and Testing	3
IIN 4001	Ergonomics and Human Factors	3	ENG MGT 4330	Human Factors	3
	Technical Electives Total Hours	6		Technical Electives Total Hours	6
Humanities and Social Sciences Electives Select a maximum of 2 courses from this section					
ARL 2001	Socratic 3/3 - The Self and the Cosmos	3		Social Science Elective	3
LIT 2001E	LGBT Literature	3		Literature Elective	3
	Social Aspects of Mining Industry	3		Social Science Elective	3
ANT 3114E	Globalization	3		Social Science Elective	3
REL 2101E	Intro to International Relations	3		Social Science Elective	3
HIS 2107	History of the World Since 1945	3		Upper-level Social Science Elective* *Will be substituted for a required history elective.	3
HIS 2202	History of Republican Latin America	3		Upper-level Social Science Elective	3
	No free electives applied to the degree.			Maximum Free Electives	0
	HSS Electives Total Hours	6		HSS Electives Total Hours	6
	Total Transfer Hours*	**60**		**Total Transfer Hours***	**68**

*S&T advisor permission is required to transfer more than 68 credits toward the S&T Mining Engineering degree.

This guide covers courses that can be taken from the first two years of the Mining Engineering degree. Courses must have a grade of C or better in order to transfer to Missouri S&T. Students are not required to complete all courses on this guide before transferring to Missouri S&T. 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.

This transfer guide is published by Missouri University of Science and Technology and is in effect as of the 2020/2021 academic year. Further information or updates are available from Missouri S&T Transfer Admissions at transfer.mst.edu, transfer@mst.edu, or 800-522-0938.