

Missouri S&T — Xi'an Technological University

Electrical Engineering BS Transfer Guide

Effective Fall 2012

The following course work will apply to Missouri S&T degree requirements as outlined below. All curriculum and transfer content is subject to university, school, departmental, and faculty review and approval on an ongoing basis.

Xi'an Technological University			Missouri S&T			
	XATU #	Title	Hours	S&T #	Title	Hours
Mathematics and Science	Mathematics and Science (Take all courses)					
		Higher Mathematics (semester 1)	5.5	MATH 014	Calculus for Engineers I	4
		Higher Mathematics (semester 2)	5.5	MATH 015 and MATH 022	Calculus II and Calculus with Analytic Geometry III	8
		Linear Algebra	2	MATH 208	Linear Algebra	3
		Complex Variables and Integral Transformation	3	MATH 204	Differential Equations	3
		Probability and Statistics	3	STAT 215	Engineering Statistics	3
		University Physics and Experiment (semester 1)	5	PHYS 23	General Physics I	4
		University Physics and Experiment (semester 2)	5	PHYS 24	General Physics II	4
		Computer Program Design	4		Programming Requirement* Department will substitute.	*EE 4
		Management Communication and Basic Engineering Drawing	3	IDE 20*	Intro to Design Theory *EE Department will substitute.	3
		Circuit Analysis	5	GNCR/EE 151*	Circuits I *EE Dept will substitute for EE151 pending successful performance on EE Advancement Exam.	3
		Circuit Analysis Experiment	1	EE 152	Circuit Analysis Lab	1
		Analog Electronics	4	GNCR/EE 121*	Intro to Electronic Devices *EE Dept will substitute for EE121 pending successful performance on EE Advancement Exam.	3
		Analog Electronics Experiment	1	EE 122	Intro to Electronic Devices Lab	1
		Digital Electronics Technology	3	GNCR/CpE 111	Intro to Computer Engineering *EE Dept will substitute for CpE 111 pending successful performance on CpE Advancement Exam.	3
		Digital Electronics Technology Experiment	1.5	CpE 112	Computer Engineering Lab I	1
		Overview of Enterprise Management	2	FE 10	Careers in Engineering	1
	Electrical Measurement Technology	3		Engineering Science Elective	3	
	Control System Simulation and CAD	2	EE 216	Discrete Linear Systems Laboratory	1	
Social Sciences & Humanities	Social Sciences and Humanities					
	6 credit hours of lower-level social sciences are required for degree, additional courses will transfer as free electives.					
		Essentials of Modern Chinese History*	2		Social Sciences Elective* Department will substitute for Social Sciences Elective	*EE 3
		Morality and Legal Basis / Morality Education and Fundamentals of Law*	3		Humanities Elective* Department will substitute for Humanities Elective	*EE 3
		Principles of Marxism*	3		Social Sciences Elective* Department will substitute for Social Sciences Elective	*EE 3
		Introduction to Mao-Ze-dong Thoughts and Theoretical System of the Chinese Characteristic Socialism*	4		Social Sciences Elective* *EE Department will substitute for Social Sciences Elective	4
		American History	1		Social Sciences Elective	1
	Film Appreciation and Editing and Post-production	3		Humanities Elective	3	
Maximum Semester Credit Hours to be Transferred to Missouri S&T Degree						68
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.						