Missouri S&T — Ozarks Technical Community College

OTC Engineering AS General Engineering Transfer Guide - Effective Fall 2009

		zarks Technical Community College	1		Missouri S&T	
	OTC#	Title	Hours	S&T#	Title	Hou
		Engineering Deg	gree Require	ments: Take all C	ourses	
	I	Math prerequisites. While they are not part of	of Missouri S&T	engineering degree re	equirements, algebra and trigonometry skills	
		are critical to success in calculus. Students	should follow n	nath placement testing	and advising recommendations at their	
		schools.		To a a management		
	MTH 140	Analytic Geometry and Calculus I	5	MATH 014	Calculus for Engineers I	4
	MTH 141 MTH 240	Analytic Geometry and Calculus II Analytic Geometry and Calculus III	5 3	MATH 015 MATH 022	Calculus for Engineers II Calculus with Analytic Geometry III	4
	MTH 241	Differential Equations	3	MATH 022 MATH 204	Elementary Differential Equations	3
Pre-Engineering Curriculum	PHY 220	Physics for Engineers and Scientists I	5	PHYS 023	Engineering Physics I	4
	PHY 222	Physics for Engineers and Scientists II	5	PHYS 024	Engineering Physics II	4
	CHM 111	General Chemistry I	5	CHEM 001, 002	General Chemistry I and Lab	4
	EGR 100	Study and Careers in Engineering	1	FE 010	Study and Careers in Engineering	1
	ENG 101	Composition I	3	ENG 020	Exposition and Argumentation	3
		e Degree Requirements below and Notes on bacl	k.		Second Communication Requirement*	3
ï	ECO 275 or	Principles of Economics II or	3	ECON 121 or	Principles of Microeconomics or	3
5	ECO 270	Principles of Economics I		ECON 122	Principles of Macroeconomics	
	HST 120 or HST 130 or	U.S. History I or U.S. History II or		HIS 175 or HIS 176 or	American History to 1877 or American History since 1877 or	
	HST 102 or	Western civilization II or	3	HIS 176 01	Modern Western Civilization or	3
	PLS 101	American Government and Politics		PS 090	American Government	
9		See Other Required Courses* on back.				
		d be selected in consultation with your advisor.				
		may not include remedial/deficiency courses,				
	algebra, trigono	metry, pre-calculus, or extra credits in required			Free Electives: See Other Required Courses*	
	courses.				on back.	
		T			Total Hours	4.
;			: Select 2 Ad	ciences for more opti	ons or email transfercredit@mst.edu for appro	4(oval.
;	See your adviso	nities and Social Sciences Electives or and Missouri S&T Approved List of Humanit Students may also transfer one upp	: Select 2 Ad ties and Social S per-level human	ciences for more opti ties/social sciences e	from the Academic Areas Below* ons or email transfercredit@mst.edu for appro lective to Missouri S&T.	oval.
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:	HST 120 HST 130	nities and Social Sciences Electives: or and Missouri S&T Approved List of Humanit Students may also transfer one upp U.S. History I U.S. History II	ties and Social Sper-level humani	cciences for more opti ties/social sciences e HIS 175 HIS 176	from the Academic Areas Below* ons or email transfercredit@mst.edu for appro lective to Missouri S&T. American History to 1877 American History since 1877	oval.
:	See your adviso	nities and Social Sciences Electives: or and Missouri S&T Approved List of Humanit Students may also transfer one upp U.S. History I	Select 2 Addies and Social Sper-level humani	ciences for more opti ities/social sciences e HIS 175	from the Academic Areas Below* ons or email transfercredit@mst.edu for appro lective to Missouri S&T. American History to 1877	oval.
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This transfer guide is published under the joint agreement of Ozarks Technical Community College and Missouri University of Science and Technology and is in effect for the 2009/2010 academic year. Further information or updates are available from Missouri S&T Transfer Admissions at admissions.mst.edu/transfer, transfer@mst.edu, or 800-522-0938.

^{**}A passing grade on the Missouri S&T EE Advancement Exam I is required to receive credit for EE 151.

***Students must receive special permission from Missouri S&T to apply more than 68 credit hours (using Missouri S&T credit-hour totals) toward Missouri S&T degree. Students are not required to complete all courses on this guide before transferring to Missouri S&T.