

## Engineering Management

Three Rivers Community College					University of Missouri-Rolla		
Semester	TRCC #	Title	Hours	Grade	UMR #	Title	Hours
First	MATH 163*	College Algebra	3		MATH 004*	College Algebra	3
	MATH 164*	Trigonometry	3		MATH 006*	Trigonometry	2
	CHEM 121	General Chemistry I	5		CHEM 001,002	General Chemistry and Lab	5
	ENGL 111	College Writing	3		ENG 020	Exposition & Argumentation	3
	Total Semester Hours			14		Total Semester Hours	
Second	MATH 171	Analytic Geometry & Calculus I	5		MATH 014	Calculus w/Analytic Geometry I	4
	PHYS 211	General Physics I	5		PHYS 023	Engineering Physics I	4
	HPER 110**	Lifetime Wellness	2		PE 152**	Elements of Health Education	2
	ENG 112 or	English Composition II or			ENG 060 or	Writing and Research or	
	SPDR 100 or	Introduction to Human Communication or	3		SPMS 085	Principles of Speech	3
	SPDR 110	Fundamentals of Speech			Total Semester Hours		
Total Semester Hours			15		Total Semester Hours		
Third	MATH 271	Analytic Geometry & Calculus II	5		MATH 015	Calculus w/Analytic Geometry II	4
	PHYS 212	General Physics II	5		PHYS 024	Engineering Physics II	4
	CSC K108 or	Introduction to Programming or			CS 74,78 or	Intro to Programming Methodology and Lab (3) or	
	CSC K216	Intermediate C++ Programming	4		CS 53,54	Intro to Programming and Lab (4)	3
	PSYC 111	General Psychology	3		PSYCH 050	General Psychology	3
Total Semester Hours			17		Total Semester Hours		
Fourth	MATH 272	Analytic Geometry & Calculus III	5		MATH 022	Calculus w/Analytic Geometry III	4
	ECON 211 or	Principles of Macroeconomics or			ECON 122 or	Principles of Macroeconomics or	
	ECON 212	Principles of Microeconomics	3		ECON 121	Principles of Microeconomics	3
	HIST122 or	Western Civ since the Renaissance or			HIST112 or	Modern Western Civilization or	
	HIST111 or	American History to 1877 or	3		HIST175 or	American History to 1877 or	3
	HIST112	American History since 1877			HIST176	American History since 1877	
		Humanities/Social Science Elective	3			Humanities/Social Science Elective	3
Total Semester Hours			14		Total Semester Hours		

This is a guide; with the consent of your advisor you may choose to vary the sequence or combination of some courses in a manner appropriate to individual course requirements and prerequisites.

A grade of "C" or better is required in calculus and physics.

\* Not creditable toward degree at UMR; credit and grade will transfer.

\*\* Required for AA degree at Three Rivers.