

Computer Engineering

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	
	HIST122 or HIST111 or HIST112	Western Civ since the Renaissance or American History to 1877 or American History since 1877	3		HIST112 or HIST175 or HIST176	Modern Western Civilization or American History to 1877 or American History since 1877	3	
	Total Semester Hours			17		Total Semester Hours		
	Total Semester Hours			17		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	
	SPDR 100 or SPDR 107	Introduction to Human Communication or Fundamentals of Speech	3		SPMS 085	Principles of Speech	3	
	Total Semester Hours			15		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 K216	Intermediate C++ Programming	4		CS 53,54	Intro to Programming and Lab	4	
		Int'l Studies/Humanities/Social Science Elective	3			Int'l Studies/Humanities/Social Science Elective	3	
	Total Semester Hours			17		Total Semester Hours		
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 ECON 212	Principles of Macroeconomics or Principles of Microeconomics	3		ECON 122 or ECON 121	Principles of Macroeconomics or Principles of Microeconomics	3	
	CSC K241	Data Structures and Algorithms	3		CS 153	Data Structures I	3	
		Literature Elective	3			Literature Elective	3	
	Total Semester Hours			14		Total Semester Hours		
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.