

Geological Engineering

State Fair Community College					University of Missouri-Rolla		
Semester	SFCC #	Title	Hours	Grade	UMR #	Title	Hours
First	MATH 114*	College Algebra	3		MATH 004*	College Algebra	3
	MATH 120*	Trigonometry	3		MATH 006*	Trigonometry	2
	CHEM 123	General Chemistry I with Lab	5		CHEM 001, 002	General Chemistry and Lab	5
		Pending Evaluation	3		IDE 020	Engineering Design w/Computer Applications	3
	Total Semester Hours			14		Total Semester Hours	
Second	MATH 130	Calculus & Analytic Geometry I	5		MATH 014	Calculus w/Analytic Geometry I	4
	CHEM 124	General Chemistry II w/Lab	5		CHEM 003	General Chemistry	3
	ENGL 101	English Composition I	3		ENG 020	Exposition & Argumentation	3
	Total Semester Hours			13		Total Semester Hours	
Third	MATH 131**	Calculus & Analytic Geometry II	5		MATH 015**	Calculus w/Analytic Geometry II	4
	PHYS 118	General Physics I w/Lab	5		PHYS 023	Engineering Physics I	5
	HIST 101	U.S. History Before 1877	3		HIST 175	U.S. History to 1877	3
	ENGL 102 or	English Composition II or	3		ENG 060 or	Writing & Research or	3
	SPHTR 101	Public Speaking	3		SPMS 085	Principles of Speech	3
Total Semester Hours			16		Total Semester Hours		
Fourth	MATH 132	Calculus & Analytic Geometry III	5		MATH 022	Calculus w/Analytic Geometry III	3
	PHYS 119	General Physics II w/Lab	5		PHYS 024	Engineering Physics II	4
	ECON 101 or	Principles of Macroeconomics or	3		ECON 122 or	Principles of Macroeconomics or	3
	ECON 102	Principles of Microeconomics	3		ECON 121	Principle of Microeconomics	3
	CIS 157	Advanced C/C++ Programming	3		CS 74, 78	Intro to Programming Methodology and Lab	3
Total Semester Hours			16		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.

*Credit will transfer however course does not fulfill any degree requirements.