

## Civil Engineering

Southwest Baptist University				University of Missouri-Rolla		
Semester	SBU #	Title	Hours	UMR #	Title	Hours
First	MAT 1195	Analytics and Calculus I	5	MATH 014	Calculus for Engineers I	4
	CHE 1115	General Chemistry I	5	CHEM 001 and CHEM 002	General Chemistry (4) and Lab (1)	5
	ECO 2033 or ECO 2023	Principles of Macroeconomics or Principles of Microeconomics	3	ECON 122 or ECON 121	Principles of Macroeconomics or Principles of Microeconomics	3
	ENG 1113	English Composition I	3	ENG 020	Exposition and Argumentation	3
		Total Semester Hours	16		Total Semester Hours	15
Second	MAT 2255	Analytics and Calculus II	4	MATH 015	Calculus for Engineers II	4
	PHY 2215	University Physics I	5	PHYS 023	Engineering Physics	4
	CHE 1125	General Chemistry II	5	CHEM 003 and CHEM 008	General Chemistry II (3) and Qualitative Analysis	5
	ENG 2213 or ENG 2003 or COM 1103	English Composition II or Technical Writing or Fundamentals of Speech	3	ENG 060 or ENG 160 or SPMS 085	Writing and Research or Technical Writing or Principles of Speech	3
		Total Semester Hours	17		Total Semester Hours	16
Third	MAT 2263	Analytics and Calculus III	4	MATH 022	Calculus with Analytic Geometry III	4
	PHY 2225	University Physics II	5	PHYS 024	Engineering Physics II	4
	PHY 2233	Statics	3	IDE 050	Engineering Mechanics - Statics	3
	Total Semester Hours	12		Total Semester Hours	11	
Fourth	MAT 3363	Differential Equations	3	MATH 204	Elementary Differential Equations	3
	HIS 1123 or HIS 2213 or HIS 2223 or POL 1113	Intro to History of World Civ or History of US 1492-1877 or History of US 1877-present or American Government and Politics	3	HIST 112 or HIST 175 or HIST 176 or PS 090	Modern Western Civilization or American History to 1877 or American History since 1877 or American Government	3
		Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
		Humanities/Social Science Elective	3		Humanities/Social Science Elective	3
		Total Semester Hours	12		Total Semester Hours	12

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.