

## Architectural Engineering

Scott Community College				University of Missouri-Rolla			
Semester	SCC #	Title	Hours	UMR #	Title	Hours	
First	MATH 150	Calculus and Analytic Geometry I	5	MATH 014	Calculus with Analytic Geometry	5	
	CHEM 120	General Chemistry I	5	CHEM 001,002	General Chemistry and Lab	5	
	EN 105	English Composition I	3	ENG 020	Exposition and Argumentation	3	
	HIST 100 or HIST 105	U.S. History through 1877 or U.S. History after 1877	3	HIST 175 or HIST 176	American History to 1877 or American History since 1877	3	
	Total Semester Hours			16	Total Semester Hours		
Second	MATH 155	Calculus and Analytic Geometry II	5	MATH 015	Calculus with Analytic Geometry II	5	
	PHYS 210	Engineering Physics I	5	PHYS 023	Engineering Physics I	4	
	EN 110	English Composition II	3	ENG 060	Writing and Research	3	
	Total Semester Hours			13	Total Semester Hours		
Third	MATH 220	Calculus and Analytic Geometry III	4	MATH 022	Calculus with Analytic Geometry III	4	
	PHYS 215	Engineering Physics II	5	PHYS 024	Engineering Physics II	4	
	ENGR 220	Engineering Statics	3	IDE 050	Engineering Mechanics - Statics	3	
	IT 170 or IT 200*	C++ I or C++ II	3	CS 74, 78 or CS 53, 54*	Intro to Programming Methodology and Lab (3) or Introduction to Programming and Lab (4)	3	
	Total Semester Hours			15	Total Semester Hours		
Fourth	MATH 225	Differential Equations	3	MATH 204	Elementary Differential Equations	3	
	ECON 110	Economics - Macro	3	ECON 122	Principles of Macroeconomics	3	
		Humanities/Social Science Elective	3		Humanities/Social Science Elective	3	
	Total Semester Hours			9	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.

\*UMR CS 74, 78 or CS 53, 54 will be substituted for ArchE 003.