

B.Sc. Civil and Architectural Engineering - Study Plan

Year One	Semester 1			Semester 2		
	Course No.	Course Title	Credit	Course No.	Course Title	Credit
	ENGL 100	Academic English	3	ENGL 110	English Composition 1	3
	ARAB 101	Arabic Language 1	3	HIST 110	Islamic Civilization History	3
	INFS 120	Computers & Info System	3	ENGG 100	Intro. To Engineering	3
	MATH 110	College Algebra	3	MATH 131	Calculus I	3
			PHYS 101	Physics I + Lab	4	
	Total	12		Total	16	

Year Two	Semester 1			Semester 2		
	Course No.	Course Title	Credit	Course No.	Course Title	Credit
	ENGL 120	Research Writing	3	CHEM 131	General Chemistry + Lab	4
	PHYS 102	Physics II + Lab	4	GEN ED	General Education	3
	MATH 132	Calculus II	3	MATH 231	Linear Algebra	3
	ENGG 150	Engineering Graphics	3	MATH 290	Engineering Statistics I	3
GEN ED	General Education	3	CIVE 230	Mechanics I (statics)	3	
	Total	16		Total	16	

Year Three	Semester 1			Semester 2		
	Course No.	Course Title	Credit	Course No.	Course Title	Credit
	MATH 233	Calculus III	3	MATH 364	Numerical Analysis in Engineering	3
	CIVE 232	Mechanics of Solids	3	CIVE 300	Building Materials	3
	CIVE 231	Mechanics II (Dynamics)	3	CIVE 331	Fluid Mechanics & Hydraulic Eng + Lab	4
	MATH 331	Ordinary Differential Equations	3	GEN ED	General Education	3
CIVE 250	Surveying and Geomatics Engineering	3	CIVE 339	Geotechnical Engineering	3	
	Total	15		Total	16	

Year Four	Semester 1			Semester 2		
	Course No.	Course Title	Credit	Course No.	Course Title	Credit
	CIVE 410	Construction Management	3	CONC	Concentration Course	3
	CIVE 430	Concrete Design I + Lab	4	CIVE 433	Water & Wastewater Systems	3
	CIVE 337	Structural. Analysis	3	ENGG 301	Engineering Economy	3
	CIVE 334	Environmental Engineering	3	CIVE 432	Transportation Eng.	3
GEN ED	General Education	3	CIVE 440	Architectural Design I	3	
	Total	16		Total	15	

Year Five	Semester 1			Semester 2		
	Course No.	Course Title	Credit	Course No.	Course Title	Credit
	CIVE 450	Computer Aided Design	3	ENGG 490	Civil Capstone	4
	CIVE 411	Professional Practice in Civil Eng.	3	GEN ED	General Education	3
	CONC	Concentration Course	3	CONC	Concentration Course	3
	CONC	Concentration Course	3			
	Total	12		Total	10	

■ General Education ■ College of Engineering ■ Major

Total: 144 Credit Hours