

## B.Sc. Computer Engineering - Study Plan

Semester 1							Semester 2		
Year One	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	GEN ED	General Education	3			
	INFS 120	Computers & Info System	3	CHEM 131	General Chemistry I + Lab	4			
	MATH 110	College Algebra	3	MATH 131	Calculus I	3			
	ENGG 100	Intro. To engineering	3	GEN ED	Science	3			
	Total			15	Total			16	

  

Semester 1							Semester 2		
Year Two	Course No.	Course Title	Credit	Course No.	Course Title	Credit			
	ENGL 120	Research Writing	3	MATH 231	Linear Algebra	3			
	PHYS 101	General Physics I+ Lab	4	CMPE 260	Data Structures	3			
	GEN ED	General Education	3	MATH 233	Calculus 3	3			
	MATH 132	Calculus 2	3	ENGG 150	Engineering Graphics	3			
	CMPE 201	Object-Oriented Programming	3	PHYS 102	Physics II + Lab	4			
	Total			16	Total			16	

  

Semester 1							Semester 2		
Year Three	Course No.	Course Title	Credit	Course No.	Course Title	Credit			
	MATH 331	Ordinary Differential Equations	3	MATH 364	Numerical Analysis in Engineering	3			
	CMPE 250	Discrete Structures	3	MATH 290	Engineering Statistics	3			
	ELEC 200	Circuits Analysis + Lab	4	CMPS 380	Introduction to Software Engineering	3			
	CMPS 355	Design and Analysis of Algorithms	3	ELEC 355	Electronics I + Lab	4			
	CMPE 341	Fund. of Digital Logic + Lab	4	CMPS 360	Database systems	3			
	Total			17	Total			16	

  

Semester 1							Semester 2		
Year Four	Course No.	Course Title	Credit	Course No.	Course Title	Credit			
	GEN ED	General Education	3	GEN ED	General Education	3			
	CMPE 355	Computer Networks	3	CMPE 437	Embedded Systems + Lab	4			
	ELEC 337	Signals & Systems Ana	3	CMPE 405	Operating System Principles	3			
	CMPE 463	Computer Organization & Architecture + Lab	4	CMPE 464	Microprocessor design	3			
	ENGG 301	Engineering Economy	3	CONC	Concentration Course	3			
	Total			16	Total			16	

  

Semester 1							Semester 2		
Year Five	Course No.	Course Title	Credit	Course No.	Course Title	Credit			
	GEN ED	General Education	3						
	CONC	Concentration Course	3						
	CONC	Concentration Course	3						
	CONC	Concentration Course	3						
	ENGG 490	Engineering Internship/Capstone	4						
Total			16	Total			7		

■ General Education ■ College of Engineering ■ Major

**Total: 144 Credit Hours**