

Computer Engineering Guidance Plan

1 st Year			2 nd Year		3 rd Year		4 th Year		5 th Year	
	First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester	First Semester	Second Semester
	Computer Skills 0102120	Introduction to Programming 0102220	Object Oriented Programming 0102221	Communication and Professional Ethics 0104200	Data and Computer Communication 0106320	Data Structure and Algorithm 0102270	Computer Network Protocols 0105400	Internship 0104580	CE Capstone Project I 0104592	CE Capstone Project II 0104593
	Calculus I 0107101	Calculus II 0107104	Engineering Math 0107202	Introduction to Numerical Methods 0107201	Signals and Systems Analysis 0106330	Microprocessor & Assembly Language 0104350	Computer Architecture 0104340	Cryptography and Computer Network Security 0112304	Major Elective (1)	Major Elective (2)
	Chemistry 0201100	Discrete Mathematics 0107200	Digital Logic Design 0104240	Probability Theory and Statistics 0107103	Electronic Circuits 0104331	Digital Electronics 0104333	Introduction to Artificial Intelligence 0114208	Embedded Systems 0104450	Group (A)	Group (B)
	Physics I 0108103	Physics II 0108203	Linear Algebra 0107102	Circuit Analysis I 0104230	Computer Organization 0102240	Foundations of Software Engineering 0103220	Digital Systems Design 0104440		Operating Systems 0102420	
	Physics I Lab 0108104	Physics II Lab 0108204	Digital Logic Design Lab 0104241	Circuit Analysis Lab 0104231	Electronics Lab 0104332	Microprocessor & Assembly Language Lab 0104351	Network Lab 0105401			
	English 1 0401120	English 2 0401121	Arabic Language 0405100	Islamic Culture 0406110	UAE Studies 0409103	Fundamentals to Innovation and Entrepreneurship 0501170	Scientific Research Methodology 0508203			
Total 1	16	16	16	16	16	16	16	9	11	8
Total 1	32		32		32		25		19	
Total 1	140									