		B.Sc. Biomedica	l Engine	ering - Stu	dy Plan		
	Semester 1				Semester 2		
)ne	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGL 100	Academic English	3	ENGG 100	Intro. to Engineering	3	
	ARAB 101	Arabic Language 1	3	GEN ED	Social and Behavioral Sciences Area	3	
Ő	PHYS 101	Physics 1 + Lab	4	ENGL 110	English Composition	3	
Year One	BIOE 120	Bio for Biomed	3	CHEM 131	General Chemistry 1 + Lab	4	
	MATH 110	College Algebra	3	MATH 131	Calculus I	3	
		Total	16		Total	16	
		Total	10		Total	10	
	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGL 120	Research Writing	3	ENGG 150	Engineering Graphics	3	
×	BIOE 200	Introduction to Biomedical Engineering	3	ELEC 200	Circuits Analysis + lab	4	
Year Two	PHYS 102	Physics II + Lab	4	MATH 231	Linear algebra	3	
	MATH 132	Calculus II	3	BIOE 260	Biomaterials	3	
	CHEM 132	Chemistry II	4	GEN ED	Social and Behavioral Sciences Area	3	
		Total	17		Total	16	
	Course No.	Semester 1 Course Title	Credit	Course No.	Semester 2 Course Title	Credit	
	GEN ED	State of Kuwait Knowledge	3	MATH 331	Ordinary Differential Equations	3	
ë	MATH 233	Calculus III	3	BIOE 335	Strength of material	3	
Ę	BIOE 330	Intro to Mechanics	3	BIOE 334	Biofluids and Bio thermodynamics	3	
<u>_</u>	BIOE 340	Physiology & Anatomy	3	BIOE 360	Biomechanics	3	
Year Three	BIOE 345	Medical Electronic + Lab	4	BIOE 350	Biosensors and transducers + Lab	4	
		Tabal	16		Tabal	16	
		Total	16		Total	16	
Year Four	Semester 1			Semester 2			
	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	BIOE 415	Bioinstrumentation + Lab	4	CONC	Concentration Course	3	
	GEN ED	Critical Thinking & Info.	3	BIOE 440	Medical Imaging systems	3	
	MATH 364	Numerical Analysis in Engineering	3	CONC	Concentration Course	3	
	MATH 290	Probability and Statistics for Engineers	3	GEN ED	Humanities, Arts & Culture	3	
	BIOE 231	Biomedical Signal and Image processing	3	GEN ED	Islamic Civilization & History	3	
		Total	16		Total	15	
	Semester 1				Semester 2		
Year Five	Course No.	Course Title	Credit	Course No.	Course Title	Credit	
	ENGG 490	Engineering Capstone	4	2241321401		- Ci cuit	
	CONC	Concentration Course	3				
	ENGG 301	Engineering Economy	3				
	CONC	Concentration Course	3				
	GEN ED	Humanities, Arts & Culture	3				
		Total	16	i f	Total	0	