

BSMS - FIRST YEAR (32 CREDITS)						
FIRST SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ARAB	101	Composition for Native Speakers of Arabic	3	0	3	
ENGL	101	Academic English I	3	0	3	(ENGL 052 & ENGL 055) or passing placement test
ITCS	101	Introduction to Computers & IT	2	2	3	
MATH	101	Calculus I	3	0	3	MATH 053 or passing placement test
HUMR	101	Principles of Human Rights	2	0	2	
PHYS	101	General Physics I	3	0	3	MATH 053 or passing placement test
		TOTAL PER SEMESTER			17	
SECOND SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ENGL	102	Academic English II	3	0	3	ENGL 101
HIST	121	Modern History of Bahrain	3	0	3	
ITCS	122	Introduction to Programming Techniques	2	2	3	ITCS 101
MATH	102	Calculus II	3	0	3	MATH 101
STAT	101	Introduction to Statistics	3	0	3	MATH 053 or passing placement test
		TOTAL PER SEMESTER			15	
BSMS - SECOND YEAR (33 CREDITS)						
FIRST SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ENGL	201	Academic English III	3	0	3	ENGL 102
ITCS	201	Object-Oriented Programming I	2	2	3	ITCS 122
XXXX	XXX	Free Elective I	X	X	3	
ITCS	209	Discrete Structures	3	0	3	MATH 102
ITMS	201	Introduction to Multimedia Systems	3	0	3	ITCS 101
		TOTAL PER SEMESTER			15	
SECOND SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ENGL	213	Report Writing	3	0	3	ENGL 201
ITMS	205	Internet Applications and Services	2	2	3	ITCS 101
ITCS	214	Computer Systems	3	0	3	ITCS 101
ITMS	207	Graphics Design I	2	2	3	ITMS 201
ITMS	212	Multimedia Design	3	0	3	ITMS 201
ITMS	221	Sound Engineering	2	2	3	ITMS 201
		TOTAL PER SEMESTER			18	
BSMS - THIRD YEAR (36 CREDITS)						
FIRST SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ITMS	305	Video Production	2	2	3	ITMS 212
ITMS	302	Human Computer Interaction	2	2	3	ITMS 205
ITCS	323	Database Systems: Design and Application	2	2	3	ITCS 201
ITMS	317	Graphic Design II	2	2	3	ITMS 207
HU/SS	XXX	Humanities/ Social Sciences	3	0	3	
		TOTAL PER SEMESTER			15	
SECOND SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ETHC	392	Ethics and Professional Practice in IT and Engineering	3	0	3	Completion of at least 66 Credits
ITCS	349	IT Innovation and Entrepreneurship	3	0	3	Completion of at least 66 Credits
ITMS	313	Game Development I	2	2	3	ITCS 201 and ITCS 209
ITMS	335	Web Programming I	2	2	3	ITMS 205
ITMS	3XX	Major Elective I	X	X	3	
ECTE	329	Computer Networks	2	2	3	ITCS 214
		TOTAL PER SEMESTER			18	
SUMMER SEMESTER						
INTR	464	BSMS Internship	0	0	3	Completion of at least 90 credit hours with CGPA >=2.00
					3	
BSMS - FOURTH YEAR (33 CREDITS)						
FIRST SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ITCS	409	Operating Systems	3	0	3	ITCS 214 or ECCE 303
ITMS	428	3D Design	2	2	3	ITMS 317
ITCS	427	Mobile Computing	2	2	3	ITCS 201 and ECTE 329
ITRD	498	Research and Development in Information Technology	3	0	3	Completion of at least 90 credits
ITMS/CS	4XX	Major Elective II	2	2	3	
ITMS	418	Computer Animation I	2	2	3	ITMS 317
		TOTAL PER SEMESTER			18	
SECOND SEMESTER						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ITMS	432	Game Development II	2	2	3	ITMS 313
ITMS	438	Computer Animation II	2	2	3	ITMS 418
ITMS/CS	4XX	Major Elective III	2	2	3	
ITMS	421	Web Programming II	2	2	3	ITMS 335
ITMS	499	Major Project	0	6	3	ITRD 498 and ETHC 392
		TOTAL PER SEMESTER			15	

LIST OF PROGRAMME ELECTIVE COURSES						
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ITMS	316	Photography Techniques	2	2	3	ITMS 201
ITMS	321	Electronic Media and Law	3	0	3	ITMS 201
ITMS	341	Digital Marketing technologies	2	2	3	ITMS 205
ITMS	347	Video Post Production	2	2	3	ITMS 305
ITCS	413	Intelligent Systems	2	2	3	ITCS201
ITCS	422	Distributed Systems	2	2	3	ITCS 409
ITMS	437	Cloud Services Development	2	2	3	ITCS 323
ITMS	445	Modelling and Animating characters in 3D	2	2	3	ITMS 428
ITMS	447	Animation Film Development	2	2	3	ITMS 418
ITCS	431	Introduction to Data Analytics	2	2	3	ITCS 323
ITMS	435	Web Programming III	2	2	3	ITMS421

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