

Bachelor's Degree in Multimedia Systems (BSMS) Program Plan 2024/25

		BSMS - F	IRST YEA	R (32 CRE	DITS)	
FIRST SEM	1ESTER					
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 Principles of Human Rights	3	0	3	MATH 053 or passing placement test
HUMR PHYS	101	General Physics I	3	0	3	MATH 053 or passing placement test
		TOTAL PER SEMESTER			17	minimos of passing placement test
SECOND S	SEMESTE	ER				
COURSE	CODE	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
ENGL HIST	102 121	Academic English II Modern History of Bahrain	3	0	3	ENGL 101
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 TOTAL PER SEMESTER	3	0	3 15	MATH 053 or passing placement test
		BSMS - SE	COND YE	AR (33 CR		
FIRST SEM	AECTED.					
		COURSETITIE	LEC	LAD	CDF	DOEDEGUIGITE
COURSE ENGL	201	COURSE TITLE Academic English III	LEC.	LAB.	CRE.	PREREQUISITE ENGL 102
ITCS	201	Object-Oriented Programming I	2	2	3	ITCS 122
XXXX	XXX	Free Elective I	X	Х	3	MATIL 102
ITCS ITMS	209	Discrete Structures Introduction to Multimedia Systems	3	0	3	MATH 102 ITCS 101
111415	201	TOTAL PER SEMESTER			15	1165 161
SECOND S	SEMESTE	ER .		·		
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 ITMS	207 212	Graphics Design I Multimedia Design	3	0	3	ITMS 201 ITMS 201
ITMS	221	Sound Engineering	2	2	3	ITMS 201
		TOTAL PER SEMESTER		- (0.0.00	18	
51005 051	456555	BSMS - T	HIRD YEA	R (36 CRE	:DITS)	
FIRST SEM	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
HU/SS	317 XXX	Graphic Design II Humanities/ Social Sciences	3	0	3	ITMS 207
110/33	////	TOTAL PER SEMESTER	3	0	15	
SECOND S	SEMESTE	ER	<u>'</u>			
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 ITMS	349 313	IT Innovation and Entrepreneurship Game Development I	3 2	0 2	3	Completion of at least 66 Credits ITCS 201 and ITCS 209
ITMS	335	Web Programming I	2	2	3	ITMS 205
ITMS	3XX	Major Elective I	X	Х	3	
ECTE	329	Computer Networks TOTAL PER SEMESTER	2	2	3 18	ITCS 214
SUMMER	SEMEST				10	
INTR	464	BSMS Internship	0	0	3	Completion of at least 90 credit hours with CGPA >= 2.00
					3	
		BSMS - FC	URTH YE	AR (33 CR	EDITS)	
FIRST SEM	/IESTER					
FIRST SEN	/IESTER	COURSE TITLE	LEC.	LAB.	CRE.	PREREQUISITE
COURSE ITCS	CODE 409	Operating Systems	3	0	3	ITCS 214 or ECCE 303
ITCS ITMS	409 428	Operating Systems 3D Design	3 2	0 2	3	ITCS 214 or ECCE 303 ITMS 317
ITCS ITMS ITCS	409 428 427	Operating Systems 3D Design Mobile Computing	3 2 2	0 2 2	3 3 3	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329
ITCS ITMS	409 428	Operating Systems 3D Design	3 2	0 2	3	ITCS 214 or ECCE 303 ITMS 317
ITCS ITMS ITCS ITRD	409 428 427 498	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I	3 2 2 3	0 2 2 0	3 3 3 3 3 3	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329
ITCS ITMS ITCS ITRD ITMS/CS ITMS	409 428 427 498 4XX 418	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I TOTAL PER SEMESTER	3 2 2 3 2	0 2 2 0 2	3 3 3 3	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329 Completion of at least 90 credits
ITCS ITMS ITCS ITRD ITMS/CS ITMS	409 428 427 498 4XX 418	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I TOTAL PER SEMESTER ER	3 2 2 3 2 2	0 2 2 0 2 2	3 3 3 3 3 3 18	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329 Completion of at least 90 credits ITMS 317
ITCS ITMS ITCS ITRD ITMS/CS ITMS SECOND S	409 428 427 498 4XX 418 SEMESTE	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I TOTAL PER SEMESTER ER COURSE TITLE	3 2 2 3 2 2 2 LEC.	0 2 2 0 2 2 2	3 3 3 3 3 3 18 CRE.	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329 Completion of at least 90 credits ITMS 317 PREREQUISITE
ITCS ITMS ITCS ITRD ITMS/CS ITMS SECOND S COURSE ITMS	409 428 427 498 4XX 418 SEMESTE CODE 432	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I TOTAL PER SEMESTER ER COURSE TITLE Game Development II	3 2 2 3 2 2 2 LEC. 2	0 2 2 0 2 2 2 2	3 3 3 3 3 3 18 CRE. 3	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329 Completion of at least 90 credits ITMS 317 PREREQUISITE ITMS 313
ITCS ITMS ITCS ITRD ITMS/CS ITMS SECOND S COURSE ITMS ITMS ITMS ITMS	409 428 427 498 4XX 418 SEMESTE	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I TOTAL PER SEMESTER ER COURSE TITLE Game Development II Computer Animation II Major Elective III	3 2 2 3 2 2 2 2 2 2 2 2 2 2	0 2 2 0 2 2 2 LAB. 2 2	3 3 3 3 3 18 CRE. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329 Completion of at least 90 credits ITMS 317 PREREQUISITE
ITCS ITMS ITCS ITRD ITMS/CS ITMS SECOND S COURSE ITMS	409 428 427 498 4XX 418 SEMESTE CODE 432 438	Operating Systems 3D Design Mobile Computing Research and Development in Information Technology Major Elective II Computer Animation I TOTAL PER SEMESTER ER COURSE TITLE Game Development II Computer Animation II	3 2 2 3 2 2 2 2 LEC. 2 2 2	0 2 2 0 2 2 2 2 LAB. 2 2 2	3 3 3 3 3 3 18 CRE. 3 3 3	ITCS 214 or ECCE 303 ITMS 317 ITCS 201 and ECTE 329 Completion of at least 90 credits ITMS 317 PREREQUISITE ITMS 313

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			

UC Approved Paper No.: UC/ P 669/2023