

Level	One			
Course number	Course Name	Credit hours		Pre (Co)
ENGS 106	English I	6		
STAT 101	Introduction to probability and statistics	3		
CHEM 101	General Chemistry (1)	4		
ARAB 100	Writing Skills	2		
101 ENT	Entrepreneurship	1		
		16		

Level	THREE			
Course number	Course Name	Credit hours		Pre (Co)
CSC111	Computer Programming 1	4	(3,2,1)	CT 101
IT 216	Physics for IT	2	(2,0,2)	
Math151	Discrete Mathematics	3	(3,0,2)	Math 101
IT 210	Information Technology Fundamentals	3	(2,2,0)	113 ENGS
IC 107	Professional Ethics	2	(2,0,0)	
		14		

Level	FIVE			
Course number	Course Name	Credit hours		Pre (Co)
CSC 212	Data Structures	3	(3,0,2)	CSC 113
IT426	Artificial Intelligence Systems	3	(3,0,2)	MATH106, 101 STAT (CSC212)
IT 330	Web Applications Engineering	4	(3,2,1)	CSC111 , IT222
IT481	Introduction to IoT	3	(2,2,0)	IT328
IT336	Introduction to Gameplay Programming	3	(2,2,1)	IT214, CSC113
		16		

Level	SEVEN			
Course number	Course Name	Credit hours		Pre (Co)
IT424	Introduction to Project Management	2	(2,0,2)	IT327
CSC 227	Operating Systems	3	(3,0,1)	CSC 212
IT496	Graduation Project -1	3	(3,0,0)	IT327, Complete 90 credit hours
IT xxx	Concentration core #2	3		
IT xxx	Concentration core #3	3		
IC xxx	IC Elective #1	2	(2,0,0)	
		16		

Level	Two			
Course number	Course Name	Credit hours		Pre (Co)
ENGS 113	English	6		106 ENGS
MATH 101	Differential Calculus	3		
CT 101	Computer Skills and Artificial Intelligence	3		
EPH 101	Fitness and Health Education	1		
CI 101	University Skills	3		
		16		

Level	FOUR			
Course number	Course Name	Credit hours		Pre (Co)
CSC 113	Computer Programming 2	4	(3,2,1)	CSC111
IT 214	User Experience Design	3	(2,2,0)	CSC111
IT 222	Database Principles	3	(2,2,1)	IT 210
IT 328	Network Principles	4	(3,2,0)	IT216
Math 106	Integral Calculus	3	(3,0,2)	Math 101
		17		

Level	SIX			
Course number	Course Name	Credit hours		Pre (Co)
Math244	Linear Algebra	3	(3,0,2)	Math 106
IT 428	Machine Learning and Data Mining	3	(2,2,0)	IT426, (MATH 244)
IT327	Practical Software Engineering	3	(3,0,2)	IT 214, IT330
IT324	Information Security	3	(3,0,2)	IT328
IT xxx	Concentration Core #1	3		
IC 108	Current Issues	2	(2,0,0)	
		17		

Level	EIGHT			
Course number	Course Name	Credit hours		Pre (Co)
IT 427	IT Entrepreneurship & Innovation	3	(3,0,0)	IT327, 101 ENT
IT 497	Graduation Project -2	3	(3,0,0)	IT496
IT 492	Practical Training	1		Complete 90 credit hours
IT XXX	Concentration - Elective #1	3		
IT XXX	Concentration - Elective #2	3		
IC xxx	IC Elective #2	2	(2,0,0)	
		15		

جدول رقم (1): متطلبات مسارات تقنية المعلومات العام

رقم المقرر	اسم المقرر	الساعات المعتمدة	المتطلبات السابقة	توزيع الساعات	المقررات الإلزامية
IT 362	Principles of Data Science (Core#1)	3	CSC 212	(3,0,2)	
IT 371	Application security (Core#2)	3	IT 324, IT330	(2,2,0)	
IT 471	Cyber Security Governance (Core#3)	3	IT 324	(3,0,1)	
IT 472	Cybercrime and Digital forensics	3	IT371	(2,2,0)	المقررات الاختيارية
IT 462	Big Data Systems	3	IT 362	(2,2,0)	
IT 463	Advance Machine Learning Systems	3	IT428	(2,2,0)	
IT 469	Human Language Technologies	3	IT 428	(2,2,0)	
IT477	Applied Network Security	3	IT324	(2,2,0)	
IT 468	Applied Computer Vision	3	IT 428	(2,2,0)	
IT 465	Data Analytics & Visualization	3	IT362	(2,2,0)	
IT 489	Selected Topics in IT	3	IT210	(3,0,1)	

جدول رقم (2): متطلبات مسار انترنت الأشياء

رقم المقرر	اسم المقرر	الساعات المعتمدة	المتطلبات السابقة	توزيع الساعات	المقررات الإلزامية
IT384	Edge and Cloud computing (Core#1)	3	IT328	(3,0,1)	
IT382	IoT Security and privacy (Core#2)	3	IT324, IT481	(3,0,2)	
IT385	IoT Big Data Analytics (Core#3)	3	IT428	(3,0,1)	
IT363	Mobile computing and Satellite systems	3	IT 328	(3,0,2)	المقررات الاختيارية
IT488	Digital Twin Systems and Applications	3	IT384, IT481	(3,0,2)	
IT483	IoT Services & Applications	3	IT330, IT481	(2,2,0)	
IT 365	Robotics Systems	3	IT 428	(3,0,2)	
IT 487	Green Computing & Sustainability	3	IT481	(3,0,1)	
IT 486	Selected Topics in Networks & IoT	3	IT 481	(3,0,1)	

جدول رقم (3): متطلبات مسار تصميم وتطوير الألعاب

رقم المقرر	اسم المقرر	الساعات المعتمدة	المتطلبات السابقة	توزيع الساعات	المقررات الإلزامية
IT 335	Gameplay Systems & Interactive Design (Core#1)	3	IT336	(2,2,1)	
IT 333	Prototyping & Game Data System (Core#2)	3	IT330, IT336	(2,2,1)	
IT 431	Game Architecture & System Design (Core#3)	3	IT336, IT327	(2,2,1)	
IT 433	UI/UX for Interactive Systems	3	IT335	(2,2,0)	المقررات الاختيارية
IT 432	Online Game System & Infrastructure	3	IT333, IT328	(2,2,1)	
IT 439	Interactive AI for Game Development	3	IT335, IT426	(2,2,0)	
IT 435	Tools Development for Game Production	3	IT333	(2,2,0)	
IT 436	Game Graphics & Visual Effects	3	IT335	(2,2,0)	
IT 437	Science Foundations for Game Development	3	IT335, MATH244	(3,0,1)	
IT 438	Testing & Optimization	3	IT335, IT431	(3,0,1)	