

مادة (27) متطلبات التخصص

42 ساعة معتمدة (18 ساعة إجباري + 24 ساعة اختياري)

في الجداول التالية يتم توزيع مقررات التخصص لكل من تخصصات الكلية.

جدول 9. مقررات تخصص علوم الحاسب

	Code	Course Name	Credit
Compulsory Courses	CS311	Algorithm Design and Analysis	3
	CS342	Automata and Language Theory	3
	CS352	Image Processing	3
	CS431	Parallel Computation	3
	CS441	Compiler Construction	3
	CS471	Introduction to Computer Security	3
		Subtotal	18
Elective Courses*	CS353	Advanced Computer Graphics	3
	CS421	Advanced Operating Systems	3
	CS442	Programming Language Design	3
	CS451	Computer Animation	3
	CS452	Computer Vision	3
	CS461	Intelligent Systems	3
	CS462	Machine Learning	3
	CS463	Pattern Recognition	3
	CS472	Cryptography	3
	CS491	Software Quality Assurance and Testing	3
	IS411	Advanced Database	3
	IS412	Distributed and Object Databases	3
	IS414	Data Mining and Business Intelligence	3
	IT431	Wireless and Mobile Computing	3
	IT432	Network Programming	3
	MM402	Virtual Reality	3
	CE421	Advanced Computer Architecture	3
	CE422	Embedded Systems	3
		Subtotal	24
		Total	42
* يختار الطالب عدد (8) مقرر اختياري فقط			

جدول 10. مقررات تخصص نظم المعلومات

	Code	Course Name	Credit
Compulsory Courses	IS311	Geographical Information Systems	3
	IS341	Decision Support Systems	3
	IS342	IS Strategy, Management and Acquisition	3
	IS412	Distributed and Object Databases	3
	IT411	Information Assurance and Security	3
	IT441	Enterprise Architecture	3
Subtotal			18
Elective Courses*	IS321	Advanced Project Management	3
	IS411	Advanced Database	3
	IS413	Web Information Systems	3
	IS414	Data Mining and Business Intelligence	3
	IS415	Database Administration	3
	IS416	Transaction Processing	3
	IS417	Multimedia Databases	3
	IS441	Quality Assurance of Information Systems	3
	IS442	IS Application Development	3
	IS451	Social Information Systems	3
	IT471	E-commerce	3
	MM412	Human Computer Interaction	3
Subtotal			24
Total			42
* يختار الطالب عدد (8) مقرر اختياري فقط			

جدول 11. مقررات تخصص تكنولوجيا المعلومات

	Code	Course Name	Credit
Compulsory Courses	IT311	Network Security	3
	IT331	Network Management	3
	CS352	Image Processing	3
	IT431	Wireless and Mobile Computing	3
	IT441	Enterprise Architecture	3
	IT451	Network Analysis and Design	3
Subtotal			18
Elective Courses*	IT432	Network Programming	3
	IT433	Network Forensics	3
	IT452	Networked Embedded Systems	3
	IT471	E-commerce	3
	CS431	Parallel Computation	3
	CS451	Computer Animation	3
	CS452	Computer Vision	3
	CS461	Intelligent Systems	3
	IS321	Advanced Project Management	3
	IS411	Advanced Database	3
	IS412	Distributed and Object Databases	3
	MM301	Introduction to Multimedia Technology	3
	MM411	Virtual Reality	3
	MM412	Human Computer Interaction	3
	CE421	Advanced Computer Architecture	3
	CE422	Embedded Systems	3
Subtotal			24
Total			42
* يختار الطالب عدد (8) مقرر اختياري فقط			

جدول 12. مقررات تخصص تصميم الوسائط المتعددة

	Code	Course Name	Credit
Compulsory Courses	MM302	Introduction to Digital Video	3
	MM321	3D Modeling and Animation	3
	MM401	Interactive Multimedia Development	3
	MM411	Virtual Reality	3
	CS451	Computer Animation	3
	CS452	Computer Vision	3
Subtotal			18
Elective Courses*	MM402	Scripting and Storyboarding	3
	MM403	Digital Sound	3
	MM412	Human Computer Interaction	3
	MM421	3D Photography and Geometry Processing	3
	MM422	Principles of 2D Animation	3
	CS352	Image Processing	3
	CS453	Game Programming	3
	CS353	Advanced Computer Graphics	3
	CS463	Pattern Recognition	3
	CS471	Introduction to Computer Security	3
	IS417	Multimedia Databases	3
	IT371	Web Programming	3
Subtotal			24
Total			42
* يختار الطالب عدد (8) مقرر اختياري فقط			