



جامعة دار الحكمة  
DAR AL-HEKMA UNIVERSITY

Year One					
Semester – Fall			Semester – Spring		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
ARAB XXXX	Arabic Studies	3	MATH 1305	Calculus II	3
COMM 1301	Communication Skills I	3	CHEM 1301	Chemistry	3
STAT 2301	Statistics	3	COMM 1302	Communication Skills II	3
MATH 1304	Calculus I	3	BSCS 1321	Digital Logic Concepts	3
BSCS 1360	Computer Ethics and Society	3	BSCS 1350	Introduction to Programming	3
		0	BSCY 1310	Fundamentals of Cybersecurity	3
		0			0
		0			0
Total Credit Hours		15	Total Credit Hours		18



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Year Two					
Semester – Fall			Semester – Spring		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
Math 1306	Linear Algebra	3	PHYS 1302	Physics	3
BSCS 2330	Discrete Structures	3	ISLS XXXX	Islamic Studies	3
BSCS 2320	Computer Architecture and Organization	3	BSCS 2370	Operating Systems	3
BSCS 2355	Object Oriented Programming	3	BSCS 2375	Networking and Data Communication	3
BSCS 2351	Fundamental Data Structures	3	BSCS 2310	Analysis of Algorithms	3
		0	2340	IS Project Management	3
		0			0
		0			0
Total Credit Hours		15	Total Credit Hours		18



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Year Tree					
Semester – Fall			Semester – Spring		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
GERM 3301	Research Methodology	3	BSCS 2340	Computer Graphics and visualization	3
BSCY 3340	Networks and Connections Security	3	GELE 3301	Leadership and Emotional Intelligence	3
BSCS 3390	Advanced Applications Programming	3	BSCS 3393	Internship	3
BSCS 3345	Human Computer Interaction	3	BSIS 3320	Database Management Systems	3
BSCS 3380	Artificial Intelligence	3	BSCS 3330	Computational Science Principles	3
BSCS 3365	Software Engineering	3	BSCS XXXX	Program Elective	3
		0			0
		0			0
Total Credit Hours		18	Total Credit Hours		18



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Year Four					
Semester – Fall			Semester – Spring		
Course Code	Course Title	Credit Hours	Course Code	Course Title	Credit Hours
ENTR 3301	Entrepreneurship and Design Thinking	3	ARAB XXXX	Arabic Studies	3
BSCS 4315	Parallel and Distributed Computing	3	ISLS XXXX	Islamic Studies	3
BSCS 4391	Capstone Project I	3	BSCS 4308	Selected Topics	3
XXXX XXXX	Free Elective	3	BSCS 4392	Capstone Project II	3
BSCS XXXX	Program Elective	3	BSCS XXXX	Program Elective	3
		0	BBBF 1101	Basic Body and Brain Fitness	3
		0			0
		0			0
Total Credit Hours		15	Total Credit Hours		18



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### Program Electives

Course Code	Course Title	Credit Hours
BSCS 2325	Computer Systems Fundamentals	3
BSCS 3311	Basic Automata and Complexity	3
BSCS 3390	CS Research Methods	3
BSCS 1376	IT Essentials	3
BSCS 3377	Routing and Wireless Essentials	3
BSCS 3378	Enterprise Networking and Automation	3
BSCS 4323	Industry 4.0	3
BSCS 3394	Mobile Application Development	3
BSCS 4301	Cloud Computing	3
BSCS 4387	Robotics	3
BSCS 3304	Introduction to Data Science	3



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### Program Electives

Course Code	Course Title	Credit Hours
BSCS 4303	Data Visualization	3
BSCS 4302	Big data Analytics	3
BSCS 3305	Software Requirements Engineering	3
BSCS 4306	Software Design and Construction	3
BSCS 4307	Software Verification and Validation	3
BSCS 3385	Machine Learning	3
BSCS 4386	Natural Language Processing	3
BSCS 4388	Computer Vision	3
BSCS 3395	Computer Games Design and Development	3
BSCS 4396	Mobile and Casual Games Development	3
BSCS 4397	Educational and Serious Games Design	3