

Zayed University
College of Interdisciplinary Studies
Bachelor of Science in Computational Systems
Concentration in Digital Security
(Recommended Sequence)

	Semester 1			Credits	Semester 2			Credits
	Year 1	ICB101	Strategic Learning and Growth		4	IDS101	Critique and Communications	
ICB102		Expressive Clarity	3	IAR210 or IAR211	Arabic Lab 2 (N): Writing to Inform Arabic Lab 2 (NN): Arabic Language & Culture for Intermediate Proficiency	1		
IAR110 or IAR111		Arabic Lab 1 (N): Speaking to Engage & Persuade Arabic Lab 1 (NN): Arabic Language & Culture for Beginners	1	IDS103	Statistical Intuitions and Applications	4		
ICB103		Applied Algorithmic Thinking	4	IDS105	Systems and Society	4		
IDS102		Applied Creative and Critical Thinking	4	IDS220	Fundamentals of Innovation and Entrepreneurship	3		
			Total	16		Total	16	
Year 2	Semester 3			Semester 4				
	IDS204	Deriving Insights from Evidence	4	IAH244	Ethical Systems, Moral Dilemmas	4		
	ICS211	Single and Multivariable Calculus	4	ICS221	Data Structures and Algorithms	4		
	ICS215	Mathematics For Computational Systems	3	ICS220	Programming Fundamentals	3		
	ICS230	Information Security and Data Privacy	3	ICS214	Probability, Statistics, and the Structure of Randomness	4		
		Total	14		Total	15		
Year 3	Semester 5			Semester 6				
	ICS340	Database Systems	3	IDS391	Capstone Seminar I	3		
	ICS360	Computer Networks Fundamentals	3	ICS351	Machine Learning	4		
	ICS350	Introduction to Artificial Intelligence	3	ICS330	Attack and Defense in Cyberspace	4		
	Elective	Elective from other programs	3	ICS331	Applied Cryptography and Identity Management	4		
	Elective	Elective from other programs	3					
		Total	15		Total	15		
Year 4	Semester 7			Semester 8				
	IDS493	Capstone Project I	4	ICS490	Internship	3		
	ICS432	Software Security	4	IDS494	Capstone Project II	4		
	ICS430	Governance, Compliance, and Risk Management	4	Elective	Elective from other programs	3		
	ICS431	Digital Forensics and Incident Response	4	Elective	Elective from other programs	3		
		Total	16		Total	13		

Total = 120 Credit Hours