

Bachelor of Science in Computing and Information Systems (with Information System Security concentration) Curriculum 2020 – Updated.

Use this document for IT students joined UD since Fall 2020-2021 and after

	Code	Course Title	Pre-Req	Accumulate Credits		Code	Course Title	Pre-Req	Accumulate Credits
Semester 1	ENGL 110	English 1			Semester 2	ENGL 120	English 2	ENGL 110 or ENGL 100	
	GMAT 100	Mathematics for Science 1				GMAT 105	Mathematics for Science 2	GMAT 100	
	GISL 100	Islamic Thought				ITGN 120	Internet Applications	ITGN 115	
	GEST 100	Emarati Studies	ENGL 110 or ENGL 100 (Co-Req)			ITGN 215	Introduction to Information Systems	ITGN 115	
	ITGN 115	Computer Applications				ITGN 130	Programming in Python	GMAT 100	
			15	15			15	30	
Semester 3	ITGN 230	Introduction to Programming	ITGN 115 & GMAT 100		Semester 4	ITGN 315	Object Oriented Programming	ITGN 230	
	ENGL220	Communication Skills	ENGL 120 or ENGL 105			<i>ITGN 235</i>	<i>Principles of Networking</i>	ITGN 230	
	BSTA 200	Statistical Analysis	GMAT 105			ITGN 250	Database Management Systems	ITGN 230	
	GCRT 200	Critical and Creative Thinking	ENGL 120 or ENGL 105			ITGN 256	Introduction to Operating Systems	ITGN 230	
	BACC 205	Principles of Financial Accounting	ENGL 120 or ENGL 105 (Co-Req)			BBUS 200	Quantitative Methods for Business	BSTA 200	
	ITGN 260	IT Project Management	ITGN 215			GIEC 100	Innovation, entrepreneurship & career planning	-	
			18	48			18	66	
Semester 5	ITGN 321	Object Oriented Analysis & Design	ITGN 230		Semester 6	ITGN 414	Strategic Issues in Information Systems	ITGN 323	
	ITGN 323	Enterprise Architecture	ITGN 235			ITGN 416	IT Audit and Control	ITGN 345	
	<i>ITGN 345</i>	<i>Information Systems Security</i>	ITGN 235			ITSS 450	Information Systems Security Management	ITGN 345	
	ITGN 350	Web Design & Development	ITGN 250 & ITGN 315			ITSS 451	Ethical Hacking & Network Defense	ITGN 345	
	ITGN 340	Human Computer Interface	ITGN 230			ITSS 459	Digital Forensics & Investigation	ITGN 345	
	BMNG 200	Mngt & Org Behaviour	ENGL 120 or ENGL 105 (Co-Req)			BFIN 200	Principles of Financial Management	BACC 205	
			18	84			18	102	
Semester 7	ITGN 440	Computing & Information Systems Project (Capstone)	99 CH		Semester 8	ITGN465 / ITGN 470	Internship/ Industry Project***	111 CH	
	ITSS 456	Database Security & Auditing	ITGN 250 & ITGN 345			BMNG 310	Production & Service Operations & Management	BBUS 200 BFIN 200 BSTA 200	
	ITSS 458	Disaster Recovery Planning	ITGN 345				Natural and Applied Science Requirements (3CHs)		
	BMRK 200	Principles of Marketing					*** For working students only		
		Natural and Applied Science Requirements (3CHs)							
		Humanities and Social Science Requirements (3CHs)							
			18	120			9	129	