

BSc in Information Technology Program, Study Plan for 2025 Onwards

Year 1 - Fall Semester				Year 1 - Spring Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
GEAE101	Acad Eng for Hum & STEM		3	CENG202	Discrete Mathematics	MATH105	3
MATH105	Calculus I		3	MATH110	Calculus II	MATH105	3
CSBP119	Algorithms and Problem Solving		3	CSBP219	Object Oriented Programming	CSBP119	3
PHYS105	General Physics I		3	CENG205	Digital Design & Computer Arch.		3
Elective	GenEd Elective 1		3	CSBP221	Programming Lab 2	CSBP121 & Co/pre CSBP219	1
CSBP121	Programming Lab I	Co CSBP119	1	GEEM110	Contemporary Emirati Studies		3
Semester Credit Hours			16	Semester Credit Hours			16
Year 2 - Fall Semester				Year 2 - Spring Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
STAT210	Probability and Statistics	MATH110	3	CSBP340	Database Systems	CSBP319	3
CENG210	Comm. and Netw. Fund.	CENG205 (co/pre) & PHYS 105	3	CENG530	Network Protocols	CENG210	3
CSBP319	Data Structures	CSBP219	3	ITBP301	Security Principles and Practice	CENG210	3
ITBP280	IT Project Mang & Exh	CSBP219	3	Elective	GenEd Elective 2		3
GESU121	Sustainability		3	CENG529	Network Protocols Lab	CENG 210 Co CENG530	1
Semester Credit Hours			15	Semester Credit Hours			13
Year 3 - Fall Semester				Year 3 - Spring Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
ITBP322	Web & Mobile Systems	CSBP219, Co-ITBP321	3		Program Elective 1		3
BOIC100 or CHEM111	Basic Biology or General Chem.		3	ITBP323	System Integration and Admin	CSBP315	3
CSBP315	Operating Systems Fundamentals	CENG205	3	CSBP316	Human-Computer Interaction	CSBP219	3
CSBP320	Datamining	Stat210	3	ITBP 270	Professional Resp. in IT	GEAE101	2
ITBP321	Web Development Lab	Pre/Co CSBP340	1	ITBP324	Cloud Computing Fundamentals	CSBP315	3
Semester Credit Hours			13	Semester Credit Hours			14
Year 4 – Fall Semester				Year 4 - Spring Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
	Program Elective 2		3		Free Elective 1		3
ITBP480	Senior Graduation Project I	Program Director Approval	3		Free Elective 2		3
ITBP 218	Entrepreneurship and New Venture Creation in IT		3	ITBP481	Senior Graduation Project II	ITBP 480	3
CSBP 301	Artificial Intelligence	CSBP319	3		Program Elective 3		3
Elective	GenEd Elective3		3				
Semester Credit Hours			15	Semester Credit Hours			12
Summer/Fall Semester				Program Electives (Student to Choose 9 Hrs.)			
Course #.	Course Title	Pre-Req.	Cr.	CSBP483: Mobile Web Content and Development ISEC411: Privacy and Anonymity ITBP410: The Internet of Things ITBP420: Data Analytics ITBP421: Big Data Analytics ITBP430: Mobile Computing			
ITBP495 496: Internship (Students are not allowed to register for any additional courses during their Internship without the approval of the College)							
	Semester Credit Hours		6				
Total = 120 credit hours							