كلية تقنية المعلومات College of Informatio



Bachelor of Science in Information Technology Model Study Plan (2022-2023 Cohort onwards)

For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 130

	Semester	Course Code		CH	Course type	Semester	Course Code	Course Title	G	
	1	ESPU1081			Gen Ed Course (Cluster 1: Area 2: English Communication)	2	CENG202	Discrete Mathematics	3	College Requirement
***		MATH105		3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)		MATH110	Calculus II		College Requirement
5	-				Gen Ed Course (Cluster 1: Area 4: Critical Thinking)			Object Oriented Programming		College Requirement
es.	(Fall)	PHY5105			Gen Ed Course (Cluster 3: Area 1: Natural Sciences)		CENG205	Digital Design & Computer Organization		College Requirement
~		GEIT112			Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)	(Spring)	CS8P221	Programming Lab II		Specialization
		CS8P121	Programming Lab I	1	Specialization		HSS105	Emirates Studies	97	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
				16					16	
	-	STAT210		3	College Requirement	4		Database Systems	3	Specialization
~	3	CENG210			Specialization	4	CENG530	Computer Network Protocols		Specialization
æ					College Requirement		(TBP301	Security Principles & Practice		Specialization
%e	(Fall)	IT8P280	Information Technology Project Management Exhibition	3	Specialization	(Spring)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	(i aii)	GESU121	Sustainability		Gen Ed Course (Cluster 3: Area 2: Sustainability)	(Shung)	CENG529	Networking Lab	1	Specialization
				15					13	
	5				Specialization	6 (Spring)		Student choice		Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
C ()					College Requirement		(TBP323	Systems Integration and Administration		Specialization
an an		CS8P315			College Requirement			Human Computer Interaction	3	Specialization
Ύ€	(Fall)	CS8P320			Specialization		ITBP370	Professional Responsibility in Information Technology		College Requirement
		ITBP321	Web Application Development Lab		Specialization		ITBP324	Cloud Computing Fundamentals	3	Specialization
				13					15	
	-				Major Elective	8 (Spring)	Elective	Student choice	3	Major Elective
4	/	ITBP480	Senior Graduation Project I	3	College Requirement		Elective	Student choice	3	Major Elective
re,	(Fall)	ITBP418			Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)		ITBP481	Senior Graduation Project II		College Requirement
χe					Specialization		Elective	Student choice		Free Elective
		ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"		Gen Ed Course (Cluster 2: Area 4: Islamic Culture)	(Shung)	Elective	Student choice		free Bective
		_		15					15	
10	9	1189495			2 Internship					
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8		110/492	Internship	22						
>	(Fall)	1)								

Bachelor of Science in Technology Model Study Plan (2022-2023 Cohort onwards)

For Students Admitted to the University from the Spring Semester Total Degree Credit hours: 130

	Semester	Course Code		CH	Course type	Semester	Course Code		B	
		ESPU1081	Introduction to Academic English for Information Technology I		Ed Course (Cluster 1: Area 2: English Communication)	2	CENG202		93	College Requirement
	1	MATH105	Calculus I	3 Gen E	Ed Course (Cluster 1: Area 5: Quantitative Reasoning)		MATH110	Calculus II		College Requirement
5	-	CS8P119	Algorithms and Problem Solving		Ed Course (Cluster 1: Area 4: Critical Thinking)	(Fall)		Object Oriented Programming		College Requirement
es	10	PHY5105	General Physics I		Ed Course (Cluster 3: Area 1: Natural Sciences)	· · ·		Digital Design & Computer Organization		College Requirement
~	(Spring)	GEIT112	Fourth Industrial Revolution	3 Gen E	Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)			Programming Lab II		Specialization
	(1) 0/	CS8P121	Programming Lab I		cialization		HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
				16					16	
	2	STAT210	Probability and Statistics		lege Requirement	4		Database Systems		Specialization
\sim	3	CENG210	Communication & Networks Fundamentals		cialization		CENG530	Computer Network Protocols		Specialization
re,		CS8P319	Data Structures	3 Colle	lege Requirement			Security Principles & Practice		Specialization
Ύ€	(Spring)	ITBP280	Information Technology Project Management Exhibition		cialization	(Fall)		Student choice		Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	(Shime)	GE5U121	Sustainability		Ed Course (Cluster 3: Area 2: Sustainability)		CENG529	Networking Lab	1	Specialization
				15					13	
	-	ITBP322	Web and Mobile Systems	3 Speci	cialization	6	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
ŝ	5		Basic Biology1/General Chemistry1ChooseONE	3 Colleg	ege Requirement	6	(TBP323	Systems Integration and Administration	3	Specialization
res.		CS8P315	Operating Systems Fundamentals		lege Requirement	-		Human Computer Interaction		Specialization
Ύ€	(Snring)	CS8P320	Data Mining		cialization	(Fall)	ITBP370			College Requirement
	(Spring)	ITBP321	Web Application Development Lab	1 Speci	cialization		ITBP324	Cloud Computing Fundamentals	3	Specialization
				13					15	
	7	Elective	Student choice	3 Major	or Elective	0	Elective	Student choice		Major Elective
4	/	ITBP480	Senior Graduation Project I	3 Colle	lege Requirement	8	Elective	Student choice		Major Elective
a		ITBP418	Entrepreneurship in Information Technology		Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)		(TBP481	Senior Graduation Project II		College Requirement
ŝ	(Coring)	CS8P301	Artificial Intelligence		cialization	(Fall)	Elective	Student choice		Free Elective
1	(Spring)	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3 Gen E	Ed Course (Cluster 2: Area 4: Islamic Culture)		Elective	Student choice	3	Free Elective
				15					15	
2	a									
5		ITBP495	Internship 1	12 Interr	and the second se					
-B				an shoerr	2 internalip					
Υ	(Spring)	pring)								

Bachelor of Science in Information Technology Model Study Plan (2025-2026 Cohort onwards)

For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 130

	Semester	Course Code		CH	Course type	Semester	Course Code		9		
		GEAE101			Gen. Ed. Theme 2: Academic Language Proficiency	2 (Spring)	CEN6202	Discrete Mathematics	50	College Requirement	
***	1	MATH105	Calculus1		College Requirement		MATH110	CalculusII		College Requirement	
5	-	CS8P119	Algorithms and Problem Solving		College Requirement		CS8P219	Object Oriented Programming		College Requirement	
e G	(=)	PHY5105	General Physics1		College Requirement		CENG205	Digital Design & Computer Organization		College Requirement	
~	(Fall)	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11		CS8P221	Programming Lab II		Specialization	
	/	CS8P121	ProgrammingLab I	1	Specialization		GEEM110	Contemporary Emirati Studies	50	Gen. Ed. Theme 1: UAE National Identity	
				16					16		
		STAT210	Probability and Statistics		College Requirement	4	CS8P340	Database Systems		Specialization	
~	3	CENG210			Specialization		CENG530	Computer Network Protocols		Specialization	
re,		CS8P319	Data Structures		College Requirement		ITBP301	Security Principles & Practice		College Requirement	
Ϋ́	(Fall)	ITBP280			Specialization	(Spring)	Elective			Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11	
	(i aii)	GE5U121	Sustainability	3	Gen. Ed. Theme 5: Sustainability		CENG529	Networking Lab	1	Major Elective	
				15					13		
	-	ITBP322			Specialization	6	ITBP323			Specialization	
	5		Basic Biology I /General Chemistry I Choose ONE		College Requirement		CS8P316	Human Computer Interaction		Specialization	
æ		CS8P315	Operating Systems Fundamentals		College Requirement		1TBP270			College Requirement	
¥€	(Fall)		Data Mining		Specialization	(Spring)	ITBP324			Specialization	
		ITBP321	Web Application Development Lab	1	Specialization		Elective	Student choice	50	Major Elective	
	7			13					14		
			Student choice		Major Elective	8	Elective	Student choice		Free Elective	
2		ITBP480			College Requirement		Elective	Student choice		Free Elective	
an an	(Fall)	ITBP218	Entrepreneurship and New Venture Creation in IT		Gen. Ed. Theme 4: Entrepreneurship		ITBP481	Senior Graduation Project II		Specialization	
Ϋ́		CS8P301			Specialization	(Spring)	Elective	Student choice	50	Major Elective	
		Elective	Student choice		Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11	(Shung)					
				15					12		
10	9										
-	9										
(D)	(Fall)	ITBP496	Internship	0	Internship						
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