

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

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

	Secretar	Course Code	Course Title	CH Course type	Semester	Course Code	Course Title	CH Course type
	1			2 Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)		MATH110		2 College Requirement
ar 1				2 College Requirement	2	CSBP219		2 College Requirement
				2 Gen Ed Course (Cluster 1: Area-4: Critical Thinking)	(Spring)	CSBP221		1 Specialization
24	(Fall)			1 Specialization		CENG20G		2 College Requirement
•				2 Gen Ed Course (Cluster 1: Area 2: English Communication)		CENG202		2 College Requirement
		GBT112	Fourth Industrial Revolution	2 Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)		MATH140	Linear Algebra I	2 Specialization
8		CS99319	Data Structures	2 College Requirement		CSBP240	Dutabase Systems	2 Specialization
ē	2	CENG210	Communication & Networks Fundamentals	2 Specialization	4	Dective	Student choice	2 Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
2	3			2 Gen Ed Course (Cluster 3: Area 1: Natural Sciences)		mapa70	Professional Responsibility in Information Technology	
	(Fall)			2 College Requirement	/c · \	SW62330		2 Specialization
				2 College Requirement	(Spring)	M2P301	Security Principles & Practice	2 Specialization
	,	PHYS135	General Physics Lab I	1 Specialization	(-1-0)			
				Mark Control of the C				15
W	5			2 Specialization	6 (Spring)	CSBP461		2 Specialization
ē				2 Specialization		SWEBUSO		2 Specialization
2	(Fall)			2 Gen Ed Course (Cluster 1: Area 1: innovation and Entrepreneurship)		CS69201		2 Specialization
		HSS105		2 Gen Ed Course (Cluster 2: Area 3: Emirates Society)		ITEP321		1 Specialization
		Diective	Student chaice	2 Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)		GESU121	Sustainability	2 Gen Ed Course (Cluster 3: Area 2: Sustainability)
				TANK TO SERVICE STATE OF THE S				
7	7	CS9P411	Machine Learning	2 Specialization	8	FRP481	Senior Graduation Project II	2 College Requirement
ĕ				2 Specialization		Dective		2 Major Rective
æ	(Fall)			2 College Requirement		Dective		2 Major Elective
		101M2F(001M2S)	Islamic Culture/Biography of the Prophet "Sira"	2 Gen Ed Course (Cluster 2: Area-4: Islamic Culture)	(Spring)	Dective	Student chaice	2 Major Elective
				12				13
	_	ITEP495	#REF1	### Internable			· · · · · · · · · · · · · · · · · · ·	·
9	9 (Fall)							
æ								
/e								
•								

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

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

	Secretter	Course Code		CH Course type	Semester	Course Code		CH	
	1	MATH105		2 Gen Ed Course (Cluster 1: Area 5: Quantitative Ressoning)	7	MATH110			College Requirement
		CHEMILL		2 College Requirement	_	CSBP219			College Requirement
œ.		CS29119		2 Gen Ed Course (Cluster 1: Area 4: Critical Thinking)	(Fall)	CS69221			Specialization
× //	(Spring)	CS29121		1 Specialization		CENG205			College Requirement
()		£SPU1081		2 Gen Ed Course (Cluster 1: Area 2: English Communication)		CENG202			College Requirement
		GRT112	Fourth Industrial Revolution	2 Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)		MATH140	Cinear Algebra I	3	Specialization
								15	
	2	CS99319		2 College Requirement		CS89240			Specialization
æ		CENG210		2 Specialization	4	map370	Professional Responsibility in Information Technology		
2	3	PHYSIOS		2 Gen Ed Course (Cluster 3: Area 1: Natural Sciences)	-	SW65300			Specialization
		STAT210		2 College Requirement	/- III	mapao1			Specialization
(5	(Spring)	CS99315		2 College Requirement	(Fall)	elective	Student chaice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
-		PH15135	General Physics Lab I	1 Specialization	()				
								115	
	5 (Spring)	CS92461	Internet Computing	2 Specialization		CS89216	Human Computer Interaction	2	Specialization
ē		SWEB450	Analysis of Algorithms	2 Specialization	6	CS8P400	Modeline & Simulation	2	Specialization
.9		CS9P301	Artificial Intelligence	2 Specialization	(Fall)	F22418	Entrepreneurship in Information Technology	2	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneumbio)
		(TBP321		1 Specialization		HSS105	Emirates Studies	2	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
()		GESU121		2 Gen Ed Course (Cluster 3: Area 2: Sustainability)		elective	Student chaice	3	Major Elective
		Diective	Student chaice	2 Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)				П	
4								115	
· 5	/ /C:\	(TBP480	Senior Graduation Project	& College Requirement	8	FRP481	Senior Graduation Project II	3	College Requirement
ē		Elective	Student choice	2 Major Elective		CS8P411	Machine Learning	2	Specialization
		Siective	Student chaice	2 Major Rective		6LM100/6LM101	islamic Culture/Wography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 6: Islamic Culture)
(5		Elective	Student choice	2 Major Elective	(Fall)	CS8P421	Smart Computer Graphics	2	Specialization
								12	
			Intrendig	G Internable					
2	9 (Spring)	ITEP495							
~									
e //									
· (:									
_				6					

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

For Students Admitted to the University from the Fall Semester Total Degree Credit hours: 120

Semester	Course Code	Course Title	CH Course type	Semester	Course Code	Course Title	CH Course type
	GGAG101	Academic English for Humanities and STEM	Gen. Ed. Theme 2: Academic Language Proficiency		CENG202		Callege Requirement
1	MATH105	Calculus	2 College Requirement	2	MATH110	Calculus II	2 College Requirement
1	CS9P119	Algorithms and Problem Solving	2 Gen Ed Course (Cluster 1: Area 4: Critical Thinking)		CSBP219		2 College Requirement
/- ···	CS99121	Programming Lab I	1 Specialization		CENG205	Digital Design & Computer Organization	2 College Requirement
(Fall)	PHY5105	General Physics I	2 College Requirement	(Spring)	CENG205 CSBP221	Programming Lab II	1 Specialization
()	Elective	Student choice	2 Gen. Sd. Theme 6 or 7 or 8 or 9 or 10 or 11	(8)	MATH140	Linear Algebra I	2 Specialization
							15
	Elective	Student choice	& Gen. Ed. Theme & or 7 or 8 or 9 or 10 or 11		CS8P240	Dutabase Systems	Specialization
- 3	BIOC100/CHRM 111	Basic Biology I /General Chemistry I Choose ONE	2 College Requirement	4	TBP270	Professional Responsibility in Information Technology	2 College Requirement
-	CEMG210	Communication & Networks Fundamentals	2 Specialization		STAT210	Probability and Statistics	2 College Requirement
(Fall)	CS99315	Operating Systems Fundamentals	2 College Requirement	(Spring)	SW52330		2 Specialization
(i aii)	CS9P319	Data Structures	2 College Requirement	(Spring)	T122321	Security Principles & Practice	2 Specialization
			ES .				14
-	Elective	Student chaice	2 Gen. Ed. Theme € or 7 or 8 or 9 or 10 or 11	-	CSBP461		2 Specialization
5	CS9P316	Human Computer Interaction	2 Specialization	6	CSEP400	Modeling & Simulation	2 Specialization
	GEEM110	Contemporary Emirati Studies	2 Gen. Ed. Theme 1: UAE histional identity		CS69201		2 Specialization
(Fall)	SWEE4SO	Analysis of Algorithms	2 Specialization	(Spring)	T129321	Web Application Development Lab	1 Specialization
(Fall)	(TBP218	Entrepreneurship and New Venture Creation in IT	2 Gen. Ed. Theme 4: Entrepreneurship	(Spring)	GESU121	Sugainability	2 Sen. Ed. Theme S: Sustainability
7	CS99411	Machine Learning	2 Specialization	0	Bective	Student choice	2 Major Elective
,	CS99421	Smart Computer Graphics	2 Specialization	- 0	Dective	Student choice	2 Major Elective
	(TRP480	Senior Graduation Project	2 College Requirement		Dective	Student choice	2 Major Elective
(Fall)	Elective	Student choice	2 Major Sective	(Spring)	PHYS135	General Physics Lab I	1 Specialization
(,,					1722481	Senior Graduation Project II	2 College Requirement
9	(TEP496	intrenship	6 Internship				
(Fall)							