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	Course Title	CH	Course Type		Semester	Course Code	Course Title	CH	Course type
Year 1 — 1 (Fall)	ESPU108I	Introduction to Academic English for Information Technology I	3	Gen Ed Course (Cluster 1: Area 2: English Communication)		2 (Spring)	CENG202	Discrete Mathematics	3	College Requirement
	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)			MATH110	Calculus II	3	College Requirement
	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)			CSBP219	Object Oriented Programming	3	College Requirement
	PHYS105	General Physics I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)			CENG205	Digital Design & Computer Organization	3	College Requirement
	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)			CSBP221	Programming Lab II	1	Specialization
	CSBP121	Programming Lab I	1	Specialization			HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
Year 2 — 3 (Fall)	STAT210	Probability and Statistics	3	College Requirement		4 (Spring)	CSBP340	Database Systems	3	Specialization
	CENG210	Communication & Networks Fundamentals	3	Specialization			CENG530	Computer Network Protocols	3	Specialization
	CSBP319	Data Structures	3	Specialization			ITBP301	Security Principles & Practice	3	Specialization
	ITBP280	Information Technology Project Management Exhibition	3	Specialization			Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)			CENG529	Networking Lab	1	Specialization
Year 3 — 5 (Fall)	ITBP322	Web and Mobile Systems	3	Specialization		6 (Spring)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	BIOC100/CHEM 111	Basic Biology I /General Chemistry I ChooseONE	3	College Requirement			ITBP323	Systems Integration and Administration	3	Specialization
	CSBP315	Operating Systems Fundamentals	3	College Requirement			CSBP316	Human Computer Interaction	3	Specialization
	CSBP320	Data Mining	3	Specialization			ITBP370	Professional Responsibility in Information Technology	3	College Requirement
	ITBP321	Web Application Development Lab	1	Specialization			ITBP324	Cloud Computing Fundamentals	3	Specialization
Year 4 — 7 (Fall)	Elective	Student choice	3	Major Elective		8 (Spring)	Elective	Student choice	3	Major Elective
	ITBP480	Senior Graduation Project I	3	College Requirement			Elective	Student choice	3	Major Elective
	ITBP418	Entrepreneurship in Information Technology	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)			ITBP481	Senior Graduation Project II	3	College Requirement
	CSBP301	Artificial Intelligence	3	Specialization			Elective	Student choice	3	Free Elective
	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)			Elective	Student choice	3	Free Elective
Year 5 — 9 (Fall)	ITBP495	Internship	12	Internship						

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	Course Title	CH	Course type		Semester	Course Code	Course Title	CH	Course type
Year 1 — 1 (Spring)	ESPU108I	Introduction to Academic English for Information Technology I	3	Gen Ed Course (Cluster 1: Area 2: English Communication)		2 (Fall)	CENG202	Discrete Mathematics	3	College Requirement
	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)			MATH110	Calculus II	3	College Requirement
	CSBP119	Algorithms and Problem Solving	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)			CSBP219	Object Oriented Programming	3	College Requirement
	PHYS105	General Physics I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)			CENG205	Digital Design & Computer Organization	3	College Requirement
	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)			CSBP221	Programming Lab II	1	Specialization
	CSBP121	Programming Lab I	1	Specialization			HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
Year 2 — 3 (Spring)	STAT210	Probability and Statistics	3	College Requirement		4 (Fall)	CSBP340	Database Systems	3	Specialization
	CENG210	Communication & Networks Fundamentals	3	Specialization			CENG530	Computer Network Protocols	3	Specialization
	CSBP319	Data Structures	3	College Requirement			ITBP301	Security Principles & Practice	3	Specialization
	ITBP280	Information Technology Project Management Exhibition	3	Specialization			Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)			CENG529	Networking Lab	1	Specialization
Year 3 — 5 (Spring)	ITBP322	Web and Mobile Systems	3	Specialization		6 (Fall)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
	BIOC100/CHEM 111	Basic Biology I /General Chemistry I ChooseONE	3	College Requirement			ITBP323	Systems Integration and Administration	3	Specialization
	CSBP315	Operating Systems Fundamentals	3	College Requirement			CSBP316	Human Computer Interaction	3	Specialization
	CSBP320	Data Mining	3	Specialization			ITBP370	Professional Responsibility in Information Technology	3	College Requirement
	ITBP321	Web Application Development Lab	1	Specialization			ITBP324	Cloud Computing Fundamentals	3	Specialization
Year 4 — 7 (Spring)	Elective	Student choice	3	Major Elective		8 (Fall)	Elective	Student choice	3	Major Elective
	ITBP480	Senior Graduation Project I	3	College Requirement			Elective	Student choice	3	Major Elective
	ITBP418	Entrepreneurship in Information Technology	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)			ITBP481	Senior Graduation Project II	3	College Requirement
	CSBP301	Artificial Intelligence	3	Specialization			Elective	Student choice	3	Free Elective
	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)			Elective	Student choice	3	Free Elective
Year 5 — 9 (Spring)	ITBP495	Internship	12	Internship						

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	Course Title	CH	Course type		Semester	Course Code	Course Title	CH	Course type
Year 1 — 1 (Fall)	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency		2 (Spring)	CENG202	Discrete Mathematics	3	College Requirement
	MATH105	Calculus I	3	College Requirement			MATH110	Calculus II	3	College Requirement
	CSBP119	Algorithms and Problem Solving	3	College Requirement			CSBP219	Object Oriented Programming	3	College Requirement
	PHYS105	General Physics I	3	College Requirement			CENG205	Digital Design & Computer Organization	3	College Requirement
	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11			CSBP221	Programming Lab II	1	Specialization
	CSBP121	Programming Lab I	1	Specialization			GEEM110	Contemporary Emirati Studies	1	Gen. Ed. Theme 1: UAE National Identity
Year 2 — 3 (Fall)	STAT210	Probability and Statistics	3	College Requirement		4 (Spring)	CSBP340	Database Systems	3	Specialization
	CENG210	Communication & Networks Fundamentals	3	Specialization			CENG530	Computer Network Protocols	3	Specialization
	CSBP319	Data Structures	3	College Requirement			ITBP301	Security Principles & Practice	3	Specialization
	ITBP280	Information Technology Project Management Exhibition	3	Specialization			Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11
	GESU121	Sustainability	3	Gen. Ed. Theme 5: Sustainability			CENG529	Networking Lab	1	Major Elective
Year 3 — 5 (Fall)	ITBP322	Web and Mobile Systems	3	Specialization		6 (Spring)	ITBP323	Systems Integration and Administration	3	Specialization
	BIOC100/CHEM 111	Basic Biology I /General Chemistry I ChooseONE	3	College Requirement			CSBP316	Human Computer Interaction	3	Specialization
	CSBP315	Operating Systems Fundamentals	3	College Requirement			ITBP370	Professional Responsibility in Information Technology	2	College Requirement
	CSBP320	Data Mining	3	Specialization			ITBP324	Cloud Computing Fundamentals	3	Specialization
	ITBP321	Web Application Development Lab	1	Specialization			Elective	Student choice	3	Major Elective
Year 4 — 7 (Fall)	Elective	Student choice	3	Major Elective		8 (Spring)	Elective	Student choice	3	Free Elective
	ITBP480	Senior Graduation Project I	3	College Requirement			Elective	Student choice	3	Free Elective
	ITBP218	Entrepreneurship and New Venture Creation in IT	3	Gen. Ed. Theme 4: Entrepreneurship			ITBP481	Senior Graduation Project II	3	College Requirement
	CSBP301	Artificial Intelligence	3	Specialization			Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11						
Year 5 — 9 (Fall)	ITBP496	Internship	6	Internship						