



Generic Study Plan for BSc. In Information Security

Cohort fall 2024 and prior - Total = 130 credit hours

irst Semester			Year 1 - Second Semester			
Course Title	Pre-req.	Cr.	Course #.	Course Title	Pre-req.	Cr
Calculus I		3	MATH110	Calculus II	-	3
General Physics I						3
Fourth Industrial Revolution		3	CENG202	Discrete Mathematics	MATH105	3
OR Introduction to Artificial						
		3	CSBP219	Object-Oriented Programming	CSBP119	3
		_	GEEM110			3
Programming Lab I	CSBP119 (co)	1	CSBP221	Programming Lab II	CSBP121,CSBP219 (co)	1
Semester Credit Hours		16		Semester Credit Hours		16
irst Semester			Year 2 - S	econd Semester		
	Pre-Reg.	Cr.			Pre-Reg.	Cr
Comm. & Net. Fund.	CENG205 (co/pre)	3	ITBP370	Professional Responsibility in IT	ESPU1081	3
Operating Systems Fundamentals	CENG205	3	STAT210	Probability and Statistics	MATH110	3
Basic Bio. I or General Chem. I		3	ITBP301	Security Principles & Practice	CENG210	3
Data Structures	CSBP219	3	GEIS101 OR ISLM100	Biography of the Prophet Sira OR Islamic Culture		3
Cultural Elective 1		3	CSBP340	Database Systems	CSBP319	3
Semester Credit Hours		15		Semester Credit Hours		15
irst Semester			Year 3 - S	econd Semester		
Course Title	Pre-Reg.	Cr.	Course #.	Course Title	Pre-Reg.	Cr
Network Security I	ITBP301	3	ISEC322	Design and Analysis of Security Prot.	ISEC312, ISEC324 (co)	3
Cryptography	ITBP301, CENG202	3	ISEC323	Secure Software Design and Eng.	CSBP219, ITBP301	3
Data Mining	STAT 210	3	ISEC324	Cryptography Lab	ISEC322 (Co)	1
Major Elective 1**		3	ITBP418	Entrepreneurship in IT	ITBP301 or ITBP280	3
Sustainability		3	Elective	Cultural Floctive 2		-
			Elective	Cultural Elective 2		3
Semester Credit Hours		15	Elective	Semester Credit Hours		_
		_		Semester Credit Hours		_
rst Semester	Pre-Rea.	15	Year 4 - S	Semester Credit Hours econd Semester	Pre-Reg.	13
	Pre-Req. CSBP320, ISEC311	15	Year 4 - S	Semester Credit Hours	Pre-Req. CSBP315, ISEC321, ISEC323	13
irst Semester Course Title	-	15 Cr.	Year 4 - S Course #.	Semester Credit Hours econd Semester Course Title Digital Forensics Security Policy, Laws, and		Ci
rst Semester Course Title Privacy and Anonymity Risk Analysis and Management	CSBP320, ISEC311	15 Cr. 3	Year 4 - S Course #.	Semester Credit Hours econd Semester Course Title Digital Forensics Security Policy, Laws, and Governance	CSBP315, ISEC321, ISEC323 ITBP370, ISEC421	13 C:
Course Title Privacy and Anonymity Risk Analysis and Management Senior Graduation Project I*	CSBP320, ISEC311 STAT210, ITBP301	15 Cr. 3	Year 4 - S Course #. ISEC412	Semester Credit Hours econd Semester Course Title Digital Forensics Security Policy, Laws, and	CSBP315, ISEC321, ISEC323	13 C ₁ 3
rst Semester Course Title Privacy and Anonymity Risk Analysis and Management	CSBP320, ISEC311 STAT210, ITBP301	15 Cr. 3	Year 4 - S Course #. ISEC412 ISEC422 ISEC423	Semester Credit Hours econd Semester Course Title Digital Forensics Security Policy, Laws, and Governance Systems Security Lab	CSBP315, ISEC321, ISEC323 ITBP370, ISEC421 ISEC413 (Co)	3 3 1 3
Course Title Privacy and Anonymity Risk Analysis and Management Senior Graduation Project I* Major Elective 2 **	CSBP320, ISEC311 STAT210, ITBP301 STAT210	15 Cr. 3 2 3 3	Year 4 - S Course #. ISEC412 ISEC422 ISEC423 ITBP481	Semester Credit Hours econd Semester Course Title Digital Forensics Security Policy, Laws, and Governance Systems Security Lab Senior Graduation Project II Security Architecture and	CSBP315, ISEC321, ISEC323 ITBP370, ISEC421 ISEC413 (Co) ITBP480 ISEC322, ISEC423	13 Cr 3
rst Semester Course Title Privacy and Anonymity Risk Analysis and Management Senior Graduation Project I* Major Elective 2 ** Network Security Lab	CSBP320, ISEC311 STAT210, ITBP301 STAT210 ISEC321 (Co) ISEC311, ISEC414	2 3 3 1	Year 4 - S Course #. ISEC412 ISEC422 ISEC423 ITBP481	Semester Credit Hours econd Semester Course Title Digital Forensics Security Policy, Laws, and Governance Systems Security Lab Senior Graduation Project II Security Architecture and	CSBP315, ISEC321, ISEC323 ITBP370, ISEC421 ISEC413 (Co) ITBP480 ISEC322, ISEC423	13 C ₁ 3
	Course Title Calculus I General Physics I Fourth Industrial Revolution OR Introduction to Artificial Intelligence Algorithms and Problem Solving Acad. English for Hum. & STEM Programming Lab I Semester Credit Hours irst Semester Course Title Comm. & Net. Fund. Operating Systems Fundamentals Basic Bio. I or General Chem. I Data Structures Cultural Elective 1 Semester Credit Hours irst Semester Course Title Cryptography Data Mining Major Elective 1**	Course Title Pre-req. Calculus I General Physics I Fourth Industrial Revolution OR Introduction to Artificial Intelligence Algorithms and Problem Solving Acad. English for Hum. & STEM Programming Lab I CSBP119 (co) Semester Credit Hours rst Semester Course Title Pre-Req. Comm. & Net. Fund. CENG205 (co/pre) & PHYS 105 Operating Systems Fundamentals CENG205 Basic Bio. I or General Chem. I Data Structures CSBP219 Cultural Elective 1 Semester Credit Hours rst Semester Course Title Pre-Req. CIBP219 Cultural Elective 1 Semester Credit Hours rst Semester Course Title Pre-Req. Network Security I ITBP301 Cryptography ITBP301, CENG202 Data Mining STAT 210 Major Elective 1**	Course Title Pre-req. Cr. Calculus I 3 General Physics I 3 Fourth Industrial Revolution OR Introduction to Artificial Intelligence Algorithms and Problem Solving 3 Acad. English for Hum. & STEM Programming Lab I CSBP119 (co) 1 Semester Credit Hours 16 Instal Semester Course Title Pre-Req. Cr. Comm. & Net. Fund. CENG205 (co/pre) & PHYS 105 Operating Systems Fundamentals CENG205 3 Basic Bio. I or General Chem. I 3 Cultural Elective 1 3 Semester Credit Hours 15 Instal Semester Credit Hours 15 Cultural Elective 1 3 Cryptography ITBP301 3 Major Elective 1** 3	Test Semester Course Title Calculus I General Physics I Fourth Industrial Revolution OR Introduction to Artificial Intelligence Algorithms and Problem Solving Acad. English for Hum. & STEM Programming Lab I Semester Credit Hours Test Semester Course Title Comm. & Net. Fund. Ceng205 Ceng202 Pre-Req. Comm. & Net. Fund. Ceng205 Ceng202 Ceng203 Ceng202 Ceng205 Ceng205 Ceng205 Ceng205 Ceng205 Ceng205 Ceng206 Ceng205 Ceng206 Ceng206	Test Semester Course Title Pre-req. Cr. Course #. Course Title General Physics I General Physics I Fourth Industrial Revolution ORI Introduction to Artificial Intelligence Algorithms and Problem Solving Acad. English for Hum. & STEM Programming Lab I CSBP119 (co) Semester Credit Hours Test Semester Course #. Course #. Course Title Contemporary Emirati Studies Programming Lab I Semester Credit Hours Test Semester Course Title Pre-Req. Cr. Course #. Course Title CENG205 (co/pre) Basic Bio. I or General Chem. I Data Structures CSBP219 Semester Credit Hours CSBP219 Age To Second Semester Course Title CENG205 (co/pre) Basic Bio. I or General Chem. I Data Structures CSBP219 CSBP219 Age To Second Semester Course Title CENG205 (co/pre) Basic Bio. I or General Chem. I CENG205 (co/pre) Basic Bio. I or General Chem. I Data Structures CSBP219 Age To Second Semester Course Title CENG205 (co/pre) Basic Bio. I or General Chem. I Data Structures CSBP219 Age To Second Semester Course Title CENG205 (co/pre) Basic Bio. I or General Chem. I Data Structures CSBP219 Age To Second Semester Course Title Cultural Elective 1 Age To Semester Credit Hours Test Semester Course Title Pre-Req. Cr. Course #. Course Title Pre-Req	Test Semester Course Title Calculus I General Physics I Fourth Industrial Revolution OR Introduction to Artificial Intelligence Algorithms and Problem Solving Acad. English for Hum. & STEM Programming Lab I CEMG205 Semester Credit Hours Test Semester Course Title Pre-Req. Cr. Course #. Course #. Course Title Pre-req. MATH105 MATH105 MATH105 MATH105 MATH105 Digital Design & Computer Org. Fourth Industrial Revolution OR Introduction to Artificial Intelligence Algorithms and Problem Solving Acad. English for Hum. & STEM Programming Lab I CSBP119 CSBP119 CSBP119 CSBP119 CSBP119 CSBP110 Contemporary Emirati Studies Programming Lab II CSBP121, CSBP219 Semester Credit Hours Test Semester Course Title Pre-Req. Cr. Course #. Course Title Pre-Req. CEMG205 (co/pre) & PHYS 105 Departing Systems Fundamentals CEMG205 (co/pre) & PHYS 105 Basic Bio. I or General Chem. I CSBP219 CEMG205 CSBP219 C

ITBP495: Internship (12 credit hours)

(Students are not Allowed to register any additional courses during their internship without the approval of the College)

^{*}Students must have finished 80 Cr. Hr to register in ITBP480





Major electives Courses**	Pre-req.	Major electives Courses**	Pre-req.
ISEC 416 Information Security Management	ITBP 301	ISEC 428 Special Topics in Information Security	ITBP301,ISEC322
ISEC 417 Database Security	CSBP320 ,ITBP301	ITBP 280 Information Technology Project Management Exhibition	CSBP219
ISEC 424 Hardware-Oriented Security & Trust	CSBP320 ,ITBP301		

Cultural Elective Courses (6 Cr. Hrs.)						
ocial and Behavioral Sciences (3 Cr	. Hrs.)					
AGRB 210	Introduction to Agribusiness					
ECON 110	Principles of Economics					
HSR 140	Introduction to Society and Behavior					
HSR 150	Introduction to Government, Policy, and Urban Studies					
PSY 100 / PYSC 100	Introduction to Psychology					
GEO 200	World Regional Geography					
GHEP111	Happiness and Wellbeing					
CURR103	Early childhd Dev & Learning					
CHIN 102	Chinese 2 for beginners					
FCH 102	French 2 for beginners					
KOR 102	Korean 2 for beginners					
GER 102	German 2 for beginners					
SPN 102	Spanish 2 for beginners					
umanities/Fine Art (3 Cr. Hrs.)						
ARCH 366	History and Theory of Architecture					
HSR 120	Introduction to Heritage and Culture					
HSR 130	Introduction to Language and Communication					
PHI101	Introduction to Philosophy					
HIS 130	Sheikh Zayed; History, Found.& Dev.					
CHIN 101	Chinese 1 for beginners					
FCH101	French 1 for beginners					
KOR 101	Korean 1 for beginners					
GER 101	German 1 for beginners					
SPN 101	Spanish 1 for beginners					