

Generic Study Plan for BSc. in Information Technology

Cohort fall 2019 and after - Total = 130 credit hours

Year 1 - First Semester				Year 1 - Second Semester			
Course #.	Course Title	Pre-req.	Cr.	Course #.	Course Title	Pre-req.	Cr.
ESPU1081	ESP1		3	CENG202	Discrete Mathematics	MATH105	3
MATH105	Calculus I	-	3	MATH110	Calculus II	MATH105	3
CSBP119	Algorithms and Prob. Solving	-	3	CSBP219	Object-Oriented Prog.	CSBP119	3
PHYS105	General Physics I	-	3	CENG205	Digital Design & Com Org.		3
GEIT112	Fourth Industrial Revolution		3	CSBP221	Programming Lab II	CSBP121, CSBP219(co)	1
CSBP121	Programming Lab I	CSEB119 (Co)	1	HSS105	Emirates Society		3
Semester Credit Hours			16	Semester Credit Hours			16
Year 2 - First Semester				Year 2 - Second Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
STAT210	Probability and Statistics	MATH110	3	CSBP340	Database Systems	CSBP319	3
GESU121	Sustainability		3	Elective	Cultural Elective 1	Elective	3
CENG210	Comm. & Net. Fund	CEN205(co/pre) & PHYS105	3	CENG530	Network Protocols	CENG210	3
ITBP280	IT Project Mang & Exh	CSBP219	3	CENG529	Network Protocols Lab	Co CENG530, CENG210	1
CSBP319	Data Structures	CSBP219	3	ITBP301	Sec. Principles and Practice	CENG210	3
Semester Credit Hours			15	Semester Credit Hours			13
Year 3 - First Semester				Year 3 - Second Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
ITBP321	Web App. Development Lab	Co/Pre CSBP340	1	ITBP370	Prof. Res. In IT	ESPU1081	3
ITBP322	Web & Mobile Systems	CSBP219, Co-ITBP321	3	CSBP316	Human Computer Interaction	CSBP219	3
BIOC100 or CHEM111	Basic Bio. I or Gen. Chemistry		3	ITBP324	Cloud Computing Fund.	CSBP315	3
CSBP315	Operating Systems Fundamentals	CENG205	3	ITBP323	System Integration & Admin	CSBP315	3
CSBP320	Datamining	STAT210	3		Major elective 1**		3
Semester Credit Hours			13	Semester Credit Hours			15
Year 4 - First Semester				Year 4 - Second Semester			
Course #.	Course Title	Pre-Req.	Cr.	Course #.	Course Title	Pre-Req.	Cr.
ITBP418	Entrepreneurship in IT	ITBP301 or ITBP280	3	Elective	Cultural Elective 2		3
CSBP 301	Artificial Intelligence	CSBP319	3		Major elective 3**		3
ISLM100	Islamic Culture		3		Free Elective		3
ITBP480	Senior Graduation Project I	STAT210	3		Free Elective		3
	Major Elective 2**		3	ITBP481	Senior Graduation Project II	ITBP480	3
Semester Credit Hours			15	Semester Credit Hours			15
Year 5 - First Semester							
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 CrHr to register in ITBP480							
Major electives Courses**		Pre-req.	Major electives Courses*		Pre-req.		
CSBP483 Mobile Web Content and Development		STAT210	ITBP410 The Internet of Things		CENG530		
ISEC411 Privacy and Anonymity		CSBP320	ITBP420 Data Analytics		CSBP320		
ITBP421 Big Data Analytics		ITBP 420	ITBP430 Mobile Computing		ITBP322		

Cultural Elective Courses		
Social 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	Introduction to Psychology
	GEO 200	World Regional Geography
	GHEP111	Happiness and Wellbeing
Humanities/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.