

Generic Study Plan for BSc. in Information Technology

Cohort fall 2018 and before - 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
ITBP103	Principles of IT		3	CSBP221	Programming Lab II	CSBP121 ,CSBP219(co)	1
CSBP121	Programming Lab I	CSEB119 (Co)	1	GEIT112 Or GEIL101	Fourth Industrial Revolution Information Literacy ¹		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	Elective	Cultural Elective 2		3
HSS105	Emirates Society		3	ITBP280	IT Project Mang & Exh	CSBP219	3
CENG210	Comm. & Net. Fund	CEN205(co/pre) & PHYS105	3	CENG529	Network Protocols Lab	Co CENG530 ,CENG210	3
Elective	Cultural Elective 1		3	CENG530	Network Protocols	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
CSBP340	Database Systems	CSBP319	3	CSBP320	Datamining	STAT210	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		Major elective 2**		3
CSBP 301	Artificial Intelligence	CSBP319	3		Major elective 3**		3
ISLM100	Islamic Culture		3		Free		3
ITBP480	Senior Graduation Project I	STAT210	3	Elective	Cultural Elective 2		3
	Major Elective 1**		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 Cr Hr 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

The Global Experience (3 Cr. Hrs.)

HIS 120	Arab Islamic Civilization
HIS 125	Contemporary Civilizations
AGRB 360	Global Agri-Food Trade
BIOE 240	Principles of Environmental science
PSG 250	Principles of International Relations
GEO 200	World Regional Geography
ARCH 346	Contemporary World Architecture
HIS 121	World History: Origins to 1500

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
SOC 260	Folklore
SWK 200	Introduction to Social Welfare

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
HIS 133	Introduction to Art History
LIT 150	Introduction to Literature
TRS 200	Introduction to Translation
MSC 200	Introduction to Mass Media
MSC 240	World & Arab Media
LNG 100	Introduction to Linguistics
LNG 110	Language, Society & Culture
PHI101	Introduction to Philosophy
PHI270	Philosophy of Education
PHI271	History and Philosophy of Science