

Study Plan of Bachelor of CNET program

Semester	Course Code		Course Title	Pre/ Co Requisite	Credit Hours
Semester 1	LNG	181	English I for Engineering & Computing	None	3
	NET	100	Fundamental of Digital Systems	None	3
	MTH	112	Calculus I	Pass Math Placement Test or MTH-012	3
	EBU	200	e-Business Fundamentals	None	3
	SWS	110	Programming I	None	3
	ENT	141	Fundamentals in Innovation and Entrepreneurship 1	None	2
	Total				
Semester 2	MTH	120	Discrete Mathematics	Pass Math Placement Test or MTH 012	3
	LNG	182	English II for Engineering & Computing	LNG-181	3

	MKT	201	Principles of Marketing	LNG-171 or LNG-181	3
	NET	110	Computer Networks Fundamentals	ENG-101 or NET-100	3
	SWS	316	Programming II	SWS-110	3
	ENT	142	Fundamentals in Innovation and Entrepreneurship 2	ENT-141	1
	Total				16
Semester 3	SCI	210	Modern Physics	MTH-112	3
	MTH	130	Probability and Statistics	MTH-112	3
	NET	120	LAN Switching and Routing	NET-100	3
	BCS	306	Database Management Systems	BCS-201, BCS-202 or SWS-316	3
	NET	105	Microprocessors and Microcontrollers	NET-100	3
	ENT	241	Entrepreneurship I	ENT-142	2

	Total				17
Semester 4	NET	111	Operating Systems Fundamentals	ENG-210 or NET-105	3
	SWS	211	System Analysis and Design	SWS-316	3
	NET	320	Advanced LAN Switching and Routing	NET-120	3
	SWS	215	Web Development	BCS-306	3
	NET	214	Network Programming	NET-120, SWS-316	3
	ENT	242	Entrepreneurship II	ENT-241	1
	Total				16
Semester 5	NET	121	Network Operating Systems	NET-111	3
	GED	198	Islamic Culture	None	3
	NET	220	Network Security and Administration	NET-120	3

	SWS	351	Management Information Systems	GED-101 or SWS-110	3
	NET	221	Communication Technology	NET-120	3
	Total				15
Semester 6	BUS	310	Project Management	Completion of 60 Cr. H	3
	NET	222	Wireless Networks	NET-221 or COM-412	3
	SWS	405	Applied Artificial Intelligence	BCS-206, BCS-205 or SWS-316,MTH-130	3
	GED	196	Communication Skills in Arabic 1	None	3
	NET	405	Virtualization and Cloud Computing	NET-320	3
	Total				15
Semester 7	BCS	401	Ethics for Computing Professionals	None	3
	SWS	315	Mobile Application Development	SWS-215	3

		XXX	Major elective 1		3
			Humanity Elective		3
	NET	440	CNET Project-1	Completed 100 Cr.H	2
	NET	410	Enterprise Network Design	NET-222	3
	Total				17
Semester 8	NET	406	Cloud Architecture	NET-405	3
	NET	441	CNET Project-2	NET-440	2
	NET	310	Network Management	NET-222	3
	NET	420	Advanced Network Troubleshooting	NET-222	3
		XXX	Major elective 2		3
	GED	199	UAE Society	None	3

	Total	17
	Internship to be taken summer semester after completion of 90 Cr.H + CGPA 2.0 or more	3
	Total Credit Hours	133