

BSc Information Engineering Technology**Scheme of Studies**

	Course code	Course Title	Domain	Credit Hours	Total Credit Hours
Semester I	IET-121	Introduction to ICT	Engineering Foundation	2-2	17
	IEH-111	English Composition & Comprehension	Humanities/English	2-0	
	IES-121	Calculus & Analytical Geometry	Natural Sciences	3-0	
	IET-122	Linear Circuit Analysis	Engineering Foundation	3-1	
	IEH-113	Islamic studies	Humanities	2-0	
	IEH-112	Pakistan Studies	Humanities	2-0	
Semester II	IET-123	Programming Fundamentals	Engineering Foundation	2+2	17
	IEH-124	Communication & Presentation Skills	Humanities/English	2-0	
	IES-122	Linear Algebra and Differential equations	Natural Sciences	3-0	
	IET-125	Discrete Structures	Engineering Foundation	2-0	
	IET-124	Electronic Devices and Circuits	Engineering Foundation	2-1	
	IET-126	Digital Logic Design	Engineering Foundation	2-1	
Semester III	IET-221	Object Oriented Programming	Engineering Foundation	2-2	16
	IET-222	Data Structures & Algorithms	Engineering Foundation	2-1	
	IET-231	Data communication and Computer Networks	Major based Breadth	3-1	
	IEM-221	Fundamentals of Economics and Management	Management Sciences	2-0	

	IET-231	Probability and statistics	Natural Science	3-0	
Semester IV	IET-232	Operating Systems	Major based Breadth	2-2	16
	IET-233	Microprocessor Based systems & interfacing	Major based Depth	2-2	
	IEM-232	IT Project Management	Management Sciences	2-0	
	IET-234	Numerical Analysis	Major based Depth	3-0	
	IET-235	Software Engineering	Major based Breadth	2-1	
Semester V	IET-331	Database management System	Major based Breadth	2-2	18
	IET-332	Artificial Intelligence and Optimization	Major based Breadth	2-1	
	IEM-321	Entrepreneurship	Management Sciences	2-0	
	IET-333	System and Network Administration	Major based Breadth	2-2	
	IET-334	Web Programming	Major based Depth	2-1	
	IEH-331	Technical & Business Writing	Humanities/English	2-0	
Semester VI	IET-345	Digital Marketing	Major based Depth	3-0	16
	IET-346	Data Analytics and Machine Learning	Major based Depth	2-2	
	IET-347	Cyber Security	Major based Depth	2-1	
	IET-348	Cloud Computing & IoT	Major based Depth	3-0	
	IET-311	Final Project	Senior Design Project	0-3	
Summer 3 rd Year	IET-321	Final Project (Continue)	Senior Design Project	0-3	3
Semester VII	IET-411	Supervised Industrial Training	16 weeks field training= 8x5Hrs=40Hrs/week	0-16	16
Semester VIII	IET-421	Supervised Industrial Training	16 weeks field training= 8x5Hrs=40Hrs/week	0-16	16
Grand Total			135		