Bachelor of Engineering Technology (Information)

Admission Eligibility:

Criteria for admission to Bachelor of Engineering Technology (Information) program is defined in National Technology Council (NTC) HEC Program Accreditation Policy and Procedures Manual for Engineering & Other Technologies. The Salient features for eligibility for admission are:

- A person holding intermediate (HSSC) examination certificate in (Pre- Engineering, Pre-Medical, such as A-levels/ICS/DAE or equivalent qualification certified by IBCC with at least 50% marks shall be eligible to apply for admission (sports and Hafiz-e-Quran marks are not included).
- Entrance Test
- Admission will be on open merit basis

Semester-wise Scheme of Studies

Semester-wise scheme of studies for Bachelor of Engineering Technology (Information) program, spanning 4 years, spread over 8 semesters, and totaling 139 credit hours, is presented below:

1st Semester

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	CSC-100		Application of Information & Communication Technologies	Engineering Foundation	3(2-3)
2.	CSC-101		Programming Fundamentals	Engineering Foundation	4(3-3)
3.	ELE-401		Basic Electronics	Engineering Foundation	3(2-3)
4.	MTH-101		Calculus and Analytic Geometry	Natural Sciences	3(3-0)
5.	ENG-102		Functional English	Humanities/English	3(3-0)
6.	FQ-301		Fehm e Quran I		1 (0-3)
7.	SSH-303		Pakistan Studies	Humanities	2(2-0)
			Total Credit Hours		**19**

2nd Semester

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	CSC-102	CSC-101	Object Oriented Programming	Engineering Foundation	4(3-3)
2.	CSC-110		Discrete Structures	Engineering Foundation	3(3-0)
3.	CSC-206		Electronic Devices and Circuits	Engineering Foundation	3(2-3)
4.	MTH-103	MTH-101	Linear Algebra	Natural Sciences	3(3-0)
5.	IS-201		Islamic Studies/Ethics	Humanities	2(2-0)
6.	FQ-302		Fehm e Quran II		1(0-3)
7.	CSC-103		Database Systems	Major based Breadth	4(3-3)
			Total Credit Hours		**20**

3rd Semester

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	CSC-111		Digital Logic Design	Engineering Foundation	3(2-3)
2.	CSC-201	CSC-101	Data Structures	Engineering Foundation	4(3-3)
3.	CSC-205		Software Engineering	Major based Breadth	3(3-0)
4.	CSC-204		Computer Networks	Major based Depth	3(2-3)
5.	SOS-302		Seerat Studies		2(2-0)
6.	ENG-201	ENG-102	Expository Writing	Humanities/ English	3(3-0)
			Total Credit Hours		**18**

4th Semester

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	CSC-301		Operating Systems	Major based Breadth	3(2-3)
2.	CSC-211	CSC-111	Computer Organization & Assembly Language	Major based Breadth	3(2-3)
3.	ELE-270		IDTE-1 (Signal & System)	Inter-Disciplinary	3(2-3)
4.	CSC-252	CSC-102	Advanced Programming	Major based Depth	3(2-3)
5.	CSE-422		Software Testing & Quality Assurance	Major based Breath	3(2-3)
6.	CSE-322		Software Project Management	Major based Breath	3(2-3)
			Total Credit Hours		**18**

5th Semester

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	STT-101		Probability and Statistics	Natural Science	3(3-0)
2.	CSC-203		Artificial Intelligence	Major based Breadth	3(2-3)
3.	CSC-449		Cloud Computing	Major based Depth	3(2-3)
4.	CSC-498		Final Year Project-I	Senior Design Project	3(3-0)
5.	ENG-401	ENG-201	Technical & Business Writing	Humanities/English	3(3-0)
			Total Credit Hours		**15**

6th Semester

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	CSC-436		Big Data Analytics	Major based Depth	3(2-3)
2.	CSC-354		Cyber Security	Major based Depth	3(2-3)
3.	SSH-401		Entrepreneurship	Management Sciences	2(2-0)
4.	ELE-271		IDTE-2 (Control Tech)	Inter-Disciplinary	3(3-0)
5	SSH-402		Professional Practices	Humanities	3(3-0)
6.	CSC-499	CSC-498	Final Year Project-II	Senior Design Project	3(3-0)
			Total Credit Hours		**17**

7th Semester

Sr. No	Course Code	Subject	Credit Hours	
1.	SIT-498	Supervised Industrial Training	00	16
		Grand Total	16	

OR

Sr. No	Course Code	Pre Reqs	Subject	Nature	Credit Hours
1.	CSC-251		Web Technologies	Optional	3(2-3)
2.	CSC-258		Virtual Systems & Services	Optional	4(3-3)
3.	CAI-262	CAI-203	Machine Learning	Optional	3(2-3)
4.	CAI-361		Artificial Neural Networks & Deep Learning	Optional	3(2-3)
5.	CSC-353		Mobile Application Development 1	Optional	3(2-3)
			Total Credit Hours		**16**

8th Semester

Sr. No	Course Code	Subject	Credit Hours	
1.	SIT-499	Supervised Industrial Training	00	16
		Grand Total	16	

Pre-Calculus Deficiency (for Pre-Medical Students)

Mathematics Deficiency as per HEC & Punjab Govt Requirement of Translation of Quran			
1	MTH-001	Pre-Calculus I	3 (3-0)
2	MTH-002	Pre-Calculus II	3 (3-0)