

BS Technology Management
SCHEME OF STUDIES 2025-26

S.No.	Course Code	Course Title	Theory Credit Hr.	Lab Credit Hr.	Total Cd Hr. Per Semester	Symbol	Pre Req Course Code	Pre Req Course Outline
Semester 1								
1	COM010	Intensive English (Pre-Sessional Course) *	0	0		-	-	
2	MTH011	Basic College Mathematics**	0	0		-	-	
1	COM107	Academic English	3	0		FE		
2	GSC103	Applied Physics	3	1		NS		
3	MAN101	Principles of Management	3	0		MG		
4	BTM101	Introduction to Computing	3	1		CC		
5	MTH107	Calculus & Analytical Geometry	3	0		QR		
6	EPE201	Computer Aided Engineering Design	0	1		CC		
			15.00	3.00	18.00			
Semester 2								
1	MTH012	Intermediate College Mathematics**	0	0		-	-	
2	BTM102	Basic Electrical Circuits	3	1		CC		
3	LAN 30*	Foreign Language	3	0		AH		
4	MTH204	Linear Algebra	3	0		QR		
5	COM205	Persuasive & Analytical Writing for Bus. Communication	3	0		EW	COM107	Academic English
6	PSC301	Pakistan Studies	2	0		ICP		
7	BTM103	Information and Communications Technology	2	1		ICT		
			16.00	2.00	18.00			
Semester 3								
1	CME103	Computer Programming & Problem Solving	2	1		CC		
2	ELE201	Digital Logic Design	3	1		CC		
3	MTH216	Complex Variables & Transforms	3	0		CC		
4	REL101	Islamic Studies	2	0		RE		
5	BTM201	Renewable Energy	3	0		NS		
6	BTM202	Operating Systems	2	1		CC	BTM104	Information and Communications Technology
			15.00	3.00	18.00			
Semester 4								
1	CME 204	Data Structure & Algorithms	2	1		CC	BTM101	Introduction to Computing
2	TCE 202	Signals and Systems	2	1		CC	MTH216	Complex Variables & Transforms
3	HRM 301	Human Resource Management	3	0		MG		
4	CME 205	Microprocessor & Microcontroller Systems	3	1		CC	ELE 201	Digital Logic Design

5	COM202	Business and Professional Speech	3	0		EW	COM202	Business and Professional Speech
6	PSC302	Ideology and Constitution of Pakistan	2	0				
			15.00	3.00	18.00			
Semester 5								
1	ACC 101	Introduction to Financial Accounting	3	0		MG		
2	BTM 301	Data Communication & Networks	2	1		CC		
3	INT302	Internship	0	3		INT		20 courses are required to be completed
4	BTM 304	Sensors and Instrumentation	2	1		CC		
5	ELE 419	Linear Control System	3	1		CC	TCE205	Signals and Systems
6	BTM 302	Technology Management	2	0		MG		
			12.00	6.00	18.00			
Semester 6								
1	BTM 303	Organizational Behavior	3	0		SS		
2	BTM 401	IoT, Big Data and Cloud Computing	2	1		CC		
3	BTM 403	Artificial Intelligence & Machine Learning	2	1		CC		
4	FIN 202	Digital Financial Management	3	0		MG		
5	BTM 305	Total Quality Management	3	0		MG		
6	BTM XXX	Elective I	2	1		XX		
			15.00	3.00	18.00			
Semester 7								
1	BTM XXX	Elective II	2	1		XX		
2	BTM XXX	Elective III	3	0		XX		
3	IDE 405	Principles of Applied Mechatronics	2	1		CC		
4	BTM 402	Emerging Trends in Connected Systems	3	1		CC	BTM302	Technology Management
5	ENT 403	Small Business & Entrepreneurship	3	0		E		
6	BTM 450	Final Year Project I	0	2		FY		
			13.00	5.00	18.00			
Semester 8								
1	ENG 203	Engineering Economics	3	0		SS		
2	IDE 400	Introduction to Enterprise Resource Planning	3	0		MG		
3	BTM 451	Final Year Project II	0	4		FY		
4	BTM 404	Cyber Physical Systems	2	1		CC		
5	BTM XXX	Elective IV	3	0		XX		
6	SSC303	Service Learning and Civic Community	2	0		CCE		
			13.00	5.00	18.00			
Grand Total			116.00	28.00	144.00+2=146**			

COM010 Intensive English (Pre-Sessional Course) *

* A nine-hour non-credit 'Pre-sessional Intensive English module' is mandatory for freshmen who scored

below 50% in the English portion of the IOBM admission test. This nine-hour pre-session course is conducted one week before the start of the Semester.

**** Muslim students are required to take Understanding of the Holy Quran I (1 credit hour) and Understanding of the Holy Quran II (1 credit hour) during the Summer semesters to complete the degree requirement. Both courses are graded on a Pass/Fail basis and have no prerequisites.**

****Note for Non-Muslim Students**

Non-Muslim students will take a suitable 2-credit-hour General Education course in place of Understanding of the Holy Quran, as approved by the Institute's statutory bodies.