

University of Management & Technology, Lahore
Office of the Registrar, Johar Town C-II Lahore, Ph. #: 042-35212820



Roadmap

Program Name: BS Business and Artificial Intelligence

Program Scheme of Studies

Structure of the Scheme	
Courses Credit Hours	134
Core Courses: (Credit Hours)	
Foundation Courses : (Credit Hours)	12
Major Courses: (Credit Hours)	75
Technical Electives: (Credit Hours)	12
General Electives: (Credit Hours)	
Supporting Science: (Credit Hours)	
University Electives: (Credit Hours)	
Undergraduate 2.0 courses (Credit hours)	35(16)
Total Credit Hours:	134

Program Road Map

Applicable to Batch No. 1 Session F2025

1 st Year							
Fall Semester				Spring Semester			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
EN-110	English I	3		EN-123	English II	3	
QM-110	Business Mathematics	3		QM-230	Business Statistics	3	
IS-135	Computer Applications	3		MG-120	Principles of Management	3	
MG-111	Introduction to Business	3		ISL-112	Islamic Thought and Perspectives	2	
EC-210	Introduction to Microeconomics	3		IS-250	Database Management Systems	3	
CS-211	Programming Fundamentals	3		EC-240	Introduction to Macroeconomics	3	
Semester Credit Hours		18		Semester Credit Hours		17	
SD210 Civic and Community Engagement (2) 1 st Summer							
2 Year							
Fall Semester				Spring Semester			

Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
SD-221	Life & Learning	2		POL-121	Pakistan Ideology & Constitution	2	
CH-211	Everyday Science	2		PHY-110	Psychology of Mind and Behavior	2	
IS-360	Data Communication and Networking	3		MG-224	Innovation & Entrepreneurship	2	
OM-320	Decision Models	3		FN-340	Business Finance	3	
				IS-240	Management Information Systems	3	
AC-125	Fundamentals of Accounting	3		IS-371	Introduction to Data Science	3	
ITC111	Fehm e Quran I	1		ITC122	Fehm e Quran II	1	
POL101	Pakistan Studies	2		AI210	Think AI	2	
Semester Credit Hours		16		Semester Credit Hours		18	

SDW491 Internship (0) 2nd Summer

3 rd Year							
Fall Semester				Spring Semester			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
FN-440	Financial Management	3		SD-100	English Immersion	0	
MG-350	Managing Human Capital	3		IS-391	Business Analytics	3	
MK-435	Business Research and Intelligence	3		EN-310	English for Specific Purposes	3	

IS-351	Data Warehousing & Data Mining	3		MG-480	Business Strategy	3	
IS-410	E-Business	3		IS-495	Enterprise Resource Planning	3	
CS-3152	Introduction to Artificial Intelligence	3		IS-485	Machine Learning	3	
Semester Credit Hours		18		Semester Credit Hours		15	
4th Year							
Fall Semester				Spring Semester			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
SD-102	21st Century Skills	0		Elective III	Elective – III	3	
CS491	Capstone Project I	3		DS-319	Data Visualization	3	
IS-412	IT Project Management	3			Elective IV	3	
	Elective II / CO-OP Work Environment	3		CS492	Capstone Project II	3	
AI-473	Deep Learning	3		IS-470	Big Data Management	3	
	Elective I / CO-OP Work Environment	3					
Semester Credit Hours		15		Semester Credit Hours		15	

Total Credit Hours: 134

List of Electives (Add list of electives for this program)

Decision Support System	IS490
ERP Finance	IS401
ERP Supply Chain Management	IS404
Information Security	CC361
Information Retrieval	CS462
Cloud Computing	CS439
Natural Language Processing	IS679