

PERFORMA FOR REVISION OF EXISTING PROGRAM

Program Scheme of Studies

Eligibility Criteria: (Minimum Criteria for Admission)	12 years of formal education with a minimum of 45% marks (Equivalence certificates are required for A-levels and American High School diploma students) 50% marks in NTS/UMT Entry test No Third Division in Metric Exam
Duration: (Years of study)	4 Years
Semester Duration: (Weeks)	8 semesters (192 Weeks)
Semesters:	8 Semesters
Course Load per Semester: (Credit Hours)	15-18
Number of Courses per semester:	5-6
Structure of the Scheme	
Courses Credit Hours	134
General Education Courses: (Credit Hours)	16(35)
Core Courses to be decided by HEI: (Credit Hours)	10 (30)
Mandatory/Major Courses: (Credit Hours)	11 (33)
Specialization/Electives: (Credit Hours)	6 (18)
Interdisciplinary/Allied Courses: (Credit Hours)	4 (12)
Internship & Capstone Project: (Credit Hours)	2(6)
Total Credit Hours:	49 (134)

Rationale of Revision in existing BS Economics Roadmap

HEC Curriculum Policy issued in October 2025 notified for implementation process from Spring 2026 onwards.

In this regard, all departments advised to revise their undergraduate programs curriculum in adherence to the policy. Therefore, Department of Economics and Quantitative Methods has also revised its BS Economics Program structure as per the designed Policy in accordance with all other programs in Dr. Hassan Murad School of Management. The details are enclosed below.

Revised Program Road Map

BS Economics/ BS Economics with Data Science

Applicable to Batch No. S2026 Session S2026-29

Year I							
Fall Semester (I)				Spring Semester (II)			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
QM120	Business Statistics	3		QM120	Business Statistics	3	-
EN110 English	English	3		PSY110	Psychology of Mind and Behavior	2	-
IS135	Computer Applications	3		EN123	English II	3	
MG120	Principles of Ma	3		CH21	Everyday Science	2	-
AC130	Financial Accounting	3		ITC122	Fehm-e-Quran – I	1	-
EC111	Principles of Microeconomics	3		EC121	Principles of Macroeconomics	3	-
SD100	English Emersion	3		AC380	Managerial Accounting	3	
Semester Credit Hours		18		Semester Credit Hours		17	

Year II							
Fall Semester (III)				Spring Semester (IV)			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
SD221	Life and Learning	2		SD210	Civics and Community Engagement	2	EC140
ISL112	Islamic Thought and Perspective	2		POL121	Pakistan Ideology, Constitution and Society	2	EC121
POL121	Pakistan Studies	2		MG334	Innovation and Entrepreneurship	2	-
ITC122	Fehm-e-Quran – II	1		MK210	Principles of Marketing	3	MG360
FN340	Business Finance	3		FN440	Financial Management	3	-
EC201	Intermediate Microeconomics	3		MG330	Organizational Behavior	3	MG120
IS371	Introduction to Data Science	3		EC211	Intermediate Macroeconomics	3	
Semester Credit Hours		16		Semester Credit Hours		18	

Year III							
Fall Semester (V)				Spring Semester (VI)			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
MK320	Marketing Management	3			SDGs	3	EC140
	Human Resource Management	3		EC321	Principles of Econometrics	3	EC121
EC360	Managerial Economics	3		EC341	Mathematical Economics	3	-
EC315	Development Economics	3			Elective 1	3	MG360
QM210	Inferential Statistics	3			Elective 2	3	-
AI210	Think AI	2					MG120
Semester Credit Hours		17		Semester Credit Hours		15	

Year IV							
Fall Semester (VI)				Spring Semester (VIII)			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
MK430	Business Research Methods	3		EC491	Islamic Economics	3	
	AI in Business	3			Elective 5	3	
EC351	International Economics	3			Elective 6	3	
EC462	Issues of Pakistan Economics	3			Capstone Project	3	
	Elective 3	3			Internship	3	
	Elective 4	3					
Semester Credit Hours		18		Semester Credit Hours		15	
Total Credit Hours: 134							

List of Specialization/Elective in Economics Courses

Names of Specialization/Elective Courses	Pre Req.
EC 466 History of Economic Thought	
EC 467 World Economic History	
EC 452 International Finance	
EC 461 Economic Growth	
EC 493 Islamic Finance	
Ec486 Energy Economics	
Ec482 Labor Economics	
EC476 Real Estate Economics	
EC 231 Issues in World Economy	
EC487 Economics of Climate Change	
EC474 Health Economics	
Note for Google/free certifications: BS Programs students must complete relevant certifications equivalent to 3 credit hours during the four-year degree program as a mandatory degree requirement. One credit hour is equivalent to 16 hours of certification study. (Under the thematic areas of Business and Management)	

List of Specialization/ Elective Courses in BS Economics with Data Science

Name of Specialization/Elective Courses in Data Science	Course Code
CS211 Programming Fundamentals	
Big Data Management	
IS-360 Data Communication and Networking	
Database Management Systems	
Introduction to Artificial Intelligence	
Machine Learning	
Big Data Analytics	
Data Visualization	
Deep learning	

List of Specialization/ Elective Courses in BS Economics with Finance

Name of the Courses	Course Code
Financial Statement Analysis	
Financial Risk Management	
Investment Analysis & Portfolio Management	

List of Specialization/ Elective Courses in BS Economics with Public Policy

Name of the Courses	Course Code
Introduction to Public Administration	
Government and Administration	
Public Policy Analysis	
Planning and Development	
Public Financial Management	
Public Sector Organizations - Models and Issues	

Other Program Structure Details

Duration:	4 Years
Semesters	8
Total Courses	49
Total Credit Hours for BS Economics/ BS Economics with Data Science	Total 134 Credit hours)
Grading System	As per UMT Policy
Exemption Policy	As per UMT policy

Note: Students opting for a Minor stream are required to complete **four (4) minor courses**, selected from the approved UMT minor course offerings of the respective discipline, to be taken during the **5th, 6th, 7th, and 8th semesters**.

A. List of General Courses in BS Economics Offered at UMT

General Courses		C.H. = 35
1	Everyday Science (Natural Science)	2
2	English I (Functional English)	3
3	English II (Expository Writing)	3
4	Business Mathematics (Quantitative Reasoning I)	3
5	Basic Statistics for Economists (Quantitative Reasoning II)	3
6	Islamic Thought & Perspectives	2
7	Pakistan: Ideology, Constitution and Society	2
8	Computer Application	3
9	Innovation and Entrepreneurship	2
10	Life and Learning (Arts & Humanities)	2
11	Psychology of Mind and Behavior (Social Sciences)	2
12	Civic and Community Engagements	2
13	Fehm-Quran I	1
14	Fehm-Quran II	1
15	Pak Studies	2
16	Think AI	2

B. List of Interdisciplinary

Interdisciplinary Courses (4)		Cr. Hrs= 12
1	Introduction to Data Science	3
2	Managerial Economics	3
3	SDG's (interdisciplinary in BBA, BS OSCM)	3
4	Inferential Statistics (interdisciplinary in BS AF)	3

C. List of Major/Mandatory Courses as per HEC Policy

Major/Mandatory Courses 11		Credit Hours (33)
1	Financial Accounting	
2	Principles of Management	
3	Business Finance	
4	Principles of Marketing	
5	Financial Management	
6	Management Accounting	
7	Marketing Management	
8	Human Resource Management	
9	Organizational Behavior	

10	Business Research Methods	
11	AI in Business	

D. Core Courses HEI decided

Mandatory Courses (10)		Credit Hours = 30
1	Principles of Microeconomics	3
2	Principles of Macroeconomics	3
3	Intermediate Microeconomics	3
4	Intermediate Macroeconomics	3
5	Development Economics	3
6	Mathematical Economics	3
7	Issues of Pakistan Economy	3
8	Principles of Econometrics	3
9	Econometrics of Time series and Panel Data	3
10	International Economics	3

E. Specialization Courses

Elective Courses (6 Courses)		Credit Hours = 18
1	Specialization I	3
2	Specialization II	3
3	Specialization III	3
4	Specialization IV	3
5	Specialization V	3
6	Specialization VI	3

It is hereby certified that curriculum of BS Economics program, Session Spring 2026 is compliant to HEC Policy.

Chairperson of Department

Dean concerned

Director AAQIC

Registrar