



Master of Computer Science (MCS)

Specializations	First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Information Technology	Data Structures Introduction to IT Programming Languages Operating Systems Database Concepts	Distributed Systems Computer Graphics	Object Oriented Programming Data Comm. & Networks Grid Computing Programming in VB. NET Programming in Java	SQL, PL/SQL Advanced Internet Technologies Computer Architectures Advanced Web Development	Internship	Software Engineering Multimedia Technology Digital Image Processing ORACLE Developer 2000 Project

Bachelor of Business Administration (BBA)

Specializations	First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Information Technology	Basic Inform. Technology English Grammar College Algebra Basic Management Pak Studies / Comm. Geography	Computer Applications Int to Operating Systems	Programming in C++ English Composition College Calculus Networking Essentials Islamic Studies / Ethics	Principles of Mgt Business Statistics Basic Marketing Public Speaking Object Oriented Programming LINUX Operating Sys	Software Design Methods Introduction to Ethics	Principles of Marketing Business Communications-I Introduction to Psychology Basic Accounting Computer Architecture
	Fifth Semester	Summer -III	Sixth Semester	Seventh Semester	Summer - IV	Eight Semester
	E-Commerce Business Comm.- 11 Programming in VB.NET SAD Principles of Accounting	Internship	RDBMS Inter Business Data Communications Windows XP Professional UML	Active Server Pages (ASP.NET) Int. to Java Programming Public Speaking Wireless Networking Adv. Oper Sys (UNIX)	Project	Public Relations Artificial Intelligence Software project Mgt Optic Fiber Communications Optical Networks
Marketing & Finance	Basic Marketing Basic Management College Algebra English Grammar Pak. Studies/ OR Comm. Geo.	Basic Info. Technology Intro to Business	Principles of Marketing Basic Accounting College Calculus English Composition Islamic Studies / Ethics	Principles of Mgt Principles of Accounting Business Statistics Intro to Psychology Micro - Economics	Introduction to Ethics Public Speaking	Intro to Financial Mgt Business Comm. I Macro Economics Basic Research Methods Intro to Sociology
	Fifth Semester	Summer -III	Sixth Semester	Seventh Semester	Summer - IV	Eight Semester
	Small Business Finance E-Commerce Business Comm.-11 Retail Mgt Statistical Inference	Internship	Consumer Behavior I Marketing of Ser I Direct Marketing I Int to Cost Accounting Inter Business	Mathematical Economics Human Resource Management-I Marketing of Services- II Direct Marketing-II Consumer Behavior-I	Project	Intro to Advertising Sales Management Corporate Finance Intro to Banking Human Resource Management-II

Bachelor of Science in Computer Science (BSCS)

Specializations	First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Information Technology	Basic Inform. Technology English Grammar College Algebra Basic Management Pak Studies / Comm. Geography	Computer Applications Int to Operating Systems	Programming in C++ English Composition College Calculus Networking Essentials Islamic Studies / Ethics	Basic Electronics Computer Graphics Object Oriented Programming LINUX Operating Sys Business Statistics	Software Design Methods Web Development	MIS Bus. Communications-I Computer Architecture Data Structures Basic Accounting
	Fifth Semester	Summer -III	Sixth Semester	Seventh Semester	Summer - IV	Eight Semester
	Intro to Java Programming Programming in VB.NET SAD Introduction to Algorithm Bus. Communications-II	Internship	Data Communications RDBMS Windows XP Professional UML DCE	Digital Multimedia Wireless Networking Adv. Oper Sys (UNIX) Active Server Pages (ASP.NET) Public Speaking	Public Relations Artificial Intelligence	Software project Mgt Optic Fiber Comm. Optical Networks Project

M.Sc Psychology

First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Principles of Psychology-I Research Methods for Psychology Human Psychology Social Psychology-I Health Psychology	Educational Psychology Public Speaking	Principles of Psychology-II Statistics in Psychology History of Psychology Social Psychology-II Intro to Child Development	Psychological Measurement Experimental Psychology Abnormal Psychology Org. Behavior	Internship	Clinical Psychology Counseling and Guidance Theories of Personality Employee Training & Development Project

M.Sc Economics

First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Macroeconomics Microeconomics Mathematical Economics Economic Development-I Entrepreneurship	WTO Political Economy	Econometrics-I International Economics-I Economic Development-II Economy of Pakistan Human Geography	Monetary Economics Research Methods Agricultural Economics Econometrics-II	Internship	Environmental Economics International Economic- 11 Public Finance Financial Institutions Project

M.Sc International Relations

First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Int. to International Relations Theory of Foreign Policy International Law-I Diplomacy Modern Central Asia	Constitutional History of Pakistan Human Geography	International Law-II Research Methods Modern Cont: UK & France Political Geography Foreign Policy of Pakistan	Modern Const.: USA & Switzerland Political Science WTO International Economics- I	Internship	International Economics-II Human Rights Environment & Development Organization of Government Project

M.Sc Mathematics

First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Complex Analysis General Topology Numerical Analysis-I Calculus-I Elementary Number Theory	Operations Research Mathematical Statistics	Linear Algebra Ordinary Differential Equations Numerical Analysis-II Calculus-II Functional Analysis	Group Theory Fluid Mechanics Real Analysis Mechanics	Internship	Discrete Mathematics Ring Theory Int to Partial Diff Equations IT & Computer Applications Project

M.Sc Telecommunication

First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Int. to Telecommunications Electronic Circuit Analysis Electronic Devices & Circuits Electromagnetic Fields Digital Design	Optic Fiber Comm. Electronic Materials & Devices	Digital Communications-I Industrial Electronics Electronic Comm. Systems Digital Logic Design Microprocessor Technology	Microwave Engineering Electronics Inst & Measurement Advanced Electronic Communications Digital Communications-I	Internship	Wireless Communications Power Electronic Systems Digital Signal Processing Principles of GSM Project

M.Sc Electronics

First Semester	Summer - I	Second Semester	Third Semester	Summer – II	Fourth Semester
Int. to Telecommunications Electronic Circuit Analysis Electronic Devices & Circuits Electromagnetic Fields Digital Design	Optic Fiber Comm. Electronic Materials & Devices	Digital Communications-I Industrial Electronics Electronic Comm. Systems Digital Logic Design Microprocessor Technology	Microwave Engineering Electronics Inst & Measurement Advanced Electronic Communications Digital Communications- II	Internship	Wireless Communications Power Electronic Systems Digital Signal Processing Principles of GSM Project

B-Tech (Pass)

Specializations	First Semester	Second Semester	Third Semester	Fourth Semester	Fifth Semester	Sixth Semester
Mechanical	English Grammar College Algebra Engineering Physics-I Industrial Training & Placement	English Composition Engineering Physics-II Engineering Materials Industrial Training & Placement	Int. to Information Technology Engineering Drawing College Calculus Industrial Training & Placement	Foundations of Engineering-I Electrical Technology Strength of Materials Thermodynamics English Grammar	Foundations of Engineering-II Manufacturing Process Industrial Metallurgy Pakistan Studies English Composition	Manufacturing Technology Automatic Control Systems Instrumentation & Control Islamic Studies Project
Electronics	English Grammar College Algebra Engineering Physics-I Industrial Training & Placement	English Composition Engineering Physics-II Engineering Materials Industrial Training & Placement	Introduction to Information Technology Engineering Drawing College Calculus Industrial Training & Placement	Foundations of Engineering-I Electrical Technology Basic Electronics Linear Circuit Analysis English Grammar	Foundations of Engineering-II Advanced Electronics-I Digital Computer Electronics Pakistan Studies English Composition	Advanced Comm. Systems Advanced Electronics-II Instrumentation & Control Islamic Studies Project
Electrical	English Grammar College Algebra Engineering Physics-I Industrial Training & Placement	English Composition Engineering Physics-II Engineering Materials Industrial Training & Placement	Introduction to Information Technology Engineering Drawing College Calculus Industrial Training & Placement	Foundations of Engineering-I Electrical Technology Basic Electronics Linear Circuit Analysis English Grammar	Foundations of Engineering-II Power Plants-I Digital Computer Electronics Pakistan Studies English Composition	Advanced Comm. Systems Industrial Machines Instrumentation & Control Islamic Studies Project
Civil	English Grammar College Algebra Engineering Physics-I Industrial Training & Placement	English Composition Engineering Physics-II Engineering Materials Industrial Training & Placement	Introduction to Information Technology Engineering Drawing College Calculus Industrial Training & Placement	Foundations of Engineering-I Electrical Technology Strength of Materials Surveying & Leveling English Grammar	Foundations of Engineering-II Engineering Geology Bridge Engineering Pakistan Studies English Composition	Highway Engineering Concrete Structures Irrigation Engineering Islamic Studies Project

B-Tech (Hons)

Specializations	First Semester	Second Semester	Third Semester	Fourth Semester	Fifth Semester	Sixth Semester
Mechanical	Industrial Training & Placement	Industrial Training & Placement	Industrial Training & Placement	Applied Mathematics-I Thermal Engineering Machine Design Heat Transfer	Mechanical Engineering Design Fluid Mechanics Engineering Design Engineering Management	Project Management Engineering Measurement Systems Theory of Machines Project
Electronics	Industrial Training & Placement	Industrial Training & Placement	Industrial Training & Placement	Applied Mathematics-I Industrial Electronics Digital Systems Electronic Circuit Analysis	Wireless Communications Television Technology Engineering Design Engineering Management	Project Management Electric Circuits Power Electronics Project
Electrical	Industrial Training & Placement	Industrial Training & Placement	Industrial Training & Placement	Applied Mathematics-I Electrical Machines Power System Analysis Industrial Electronics	Electrical Applications Wireless Communications Engineering Design Engineering Management	Project Management Electric Circuits Power Electronics Project
Civil	Industrial Training & Placement	Industrial Training & Placement	Industrial Training & Placement	Applied Mathematics-I Soil Mechanics Water Supply & Sanitary Engineering Design of Concrete Structures	Hydrology Foundation Engineering Steel Structures Engineering Management	Project Management Tunnel Engineering Road Engineering Project

Master of Technology (M-Tech)

Specializations	First Semester	Second Semester	Third Semester	Fourth Semester
Mechanical	Gas Turbine Mechatronics Mechanical Assemblies	Mechanical Vibrations Engineering Metrology Kinematics of Machines	Hydraulics and Pneumatics Turbomachinery Maintenance Engineering and Management	Thesis
Electronics	Electronic Materials & Devices Digital Logic Design Power Electronics	Microprocessor Technology Electronic Communication Systems Digital Signal Processing	Advanced Instrumentation Optical Fiber Communication Microwave Electronics	Thesis
Electrical	Electronic Materials & Devices Electric Power Systems-I Power Electronics	Power Electronic Applications Electric Power Systems-II Digital Signal Processing	Advanced Instrumentation AC/DC Converters Microwave Electronics	Thesis
Civil	Geotechnical Engineering Advanced Foundation Design Advanced Surveying	Structural Analysis Concrete Technology Advanced Reinforced Design-I	Groundwater Hydrology Concrete Project Management Advanced Reinforced Design –II	Thesis
Chemical	Advanced Process Technology Chemical Reaction Engineering Particulate Technology	Minerals Processing Technology Environmental Engineering Polymer Engineering	Biochemical Engineering Energy Resources & Technology Project Appraisal	Thesis



MBA: 3.5 years (Semester 1 – 7 + Summer I, II & III)

No. of Subjects: 30

Credit Hours: 102

Effective : Spring Semester 2011

	Human Resource Management	Marketing	Finance & Accounting
1st Semester	<ul style="list-style-type: none"> Principles of Management Principles of Marketing Financial Accounting Business Mathematics Organizational Communication 	<ul style="list-style-type: none"> Principles of Management Principles of Marketing Financial Accounting Business Mathematics Organizational Communication 	<ul style="list-style-type: none"> Principles of Management Principles of Marketing Financial Accounting Business Mathematics Organizational Communication
Summer - I	<ul style="list-style-type: none"> Business Ethics Business Statistics 	<ul style="list-style-type: none"> Business Ethics Business Statistics 	<ul style="list-style-type: none"> Business Ethics Business Statistics
2nd Semester	<ul style="list-style-type: none"> Principles of Economics Financial Management Organizational Behavior E-Commerce 	<ul style="list-style-type: none"> Principles of Economics Financial Management Organizational Behavior E-Commerce 	<ul style="list-style-type: none"> Principles of Economics Financial Management Organizational Behavior E-Commerce
3rd Semester	<ul style="list-style-type: none"> International Business Research Methods HRM Financial Institutions 	<ul style="list-style-type: none"> International Business Research Methods HRM Financial Institutions 	<ul style="list-style-type: none"> International Business Research Methods HRM Financial Institutions
Summer – II	<ul style="list-style-type: none"> Economy of Pakistan 	<ul style="list-style-type: none"> Economy of Pakistan 	<ul style="list-style-type: none"> Economy of Pakistan
4th Semester	<ul style="list-style-type: none"> Entrepreneurship Project Management Fundamentals Public Speaking Small Business Management 	<ul style="list-style-type: none"> Entrepreneurship Project Management Fundamentals Public Speaking Small Business Management 	<ul style="list-style-type: none"> Entrepreneurship Project Management Fundamentals Public Speaking Small Business Management
5th Semester	<ul style="list-style-type: none"> Advanced Research Methods Organization Theory Advanced HRM Motivation Leadership 	<ul style="list-style-type: none"> Advanced Research Methods Organization Theory Advanced Marketing Management Marketing Research International Marketing 	<ul style="list-style-type: none"> Advanced Research Methods Organization Theory Advanced Financial Accounting-I Advanced Financial Management Cost Accounting
Summer - III	<ul style="list-style-type: none"> Internship 	<ul style="list-style-type: none"> Internship 	<ul style="list-style-type: none"> Internship
6th Semester	<ul style="list-style-type: none"> Knowledge Management Recruitment & Selection Performance Management Management of Training 	<ul style="list-style-type: none"> Knowledge Management Advertising Strategies Advanced Sales Management Strategic Marketing 	<ul style="list-style-type: none"> Knowledge Management Advanced Financial Accounting-II Investment Management Banking Operations
7th Semester	<ul style="list-style-type: none"> Strategic Management Master’s Thesis 	<ul style="list-style-type: none"> Strategic Management Master’s Thesis 	<ul style="list-style-type: none"> Strategic Management Master’s Thesis



**MBA : 2.5 years (Semester 1 – 5 + Summer I, II & III)
Credit Hours: 78**

Effective : Spring Semester 2011

	Human Resource Management	Marketing	Finance & Accounting
1st Semester	<ul style="list-style-type: none"> • Principles of Management • Principles of Marketing • Financial Accounting • Business Mathematics • Organizational Communication 	<ul style="list-style-type: none"> • Principles of Management • Principles of Marketing • Financial Accounting • Business Mathematics • Organizational Communication 	<ul style="list-style-type: none"> • Principles of Management • Principles of Marketing • Financial Accounting • Business Mathematics • Organizational Communication
Summer - I	<ul style="list-style-type: none"> • Business Ethics • Business Statistics 	<ul style="list-style-type: none"> • Business Ethics • Business Statistics 	<ul style="list-style-type: none"> • Business Ethics • Business Statistics
2nd Semester	<ul style="list-style-type: none"> • Principles of Economics • Financial Management • Organizational Behavior • E-Commerce 	<ul style="list-style-type: none"> • Principles of Economics • Financial Management • Organizational Behavior • E-Commerce 	<ul style="list-style-type: none"> • Principles of Economics • Financial Management • Organizational Behavior • E-Commerce
3rd Semester	<ul style="list-style-type: none"> • International Business • Research Methods • HRM • Financial Institutions 	<ul style="list-style-type: none"> • International Business • Research Methods • HRM • Financial Institutions 	<ul style="list-style-type: none"> • International Business • Research Methods • HRM • Financial Institutions
Summer – II	<ul style="list-style-type: none"> • Internship 	<ul style="list-style-type: none"> • Internship 	<ul style="list-style-type: none"> • Internship
4th Semester	<ul style="list-style-type: none"> • Advanced HRM • Motivation • Leadership 	<ul style="list-style-type: none"> • Advanced Marketing Management • Marketing Research • International Marketing 	<ul style="list-style-type: none"> • Advanced Financial Accounting-I • Advanced Financial Management • Cost Accounting
5th Semester	<ul style="list-style-type: none"> • Knowledge Management • Recruitment & Selection • Performance Management • Management of Training 	<ul style="list-style-type: none"> • Knowledge Management • Advertising Strategies • Advanced Sales Management • Strategic Marketing 	<ul style="list-style-type: none"> • Knowledge Management • Advanced Financial Accounting-II • Investment Management • Banking Operations
Summer – III	<ul style="list-style-type: none"> • Master’s Thesis 	<ul style="list-style-type: none"> • Master’s Thesis 	<ul style="list-style-type: none"> • Master’s Thesis



PRESTON UNIVERSITY

MBA Program

Kohat - Islamabad - Lahore - Peshawar – Faisalabad – Karachi

MBA : 1.5 years (Semester 1 – 3)
Credit Hours: 36

Effective : Spring Semester 2011

	Human Resource Management	Marketing	Finance & Accounting
1st Semester	<ul style="list-style-type: none">• Advanced Research Methods• Organization Theory• Advanced HRM• Motivation• Leadership	<ul style="list-style-type: none">• Advanced Research Methods• Organization Theory• Advanced Marketing Management• Marketing Research• International Marketing	<ul style="list-style-type: none">• Advanced Research Methods• Organization Theory• Advanced Financial Accounting-I• Advanced Financial Management• Cost Accounting
2nd Semester	<ul style="list-style-type: none">• Knowledge Management• Recruitment & Selection• Performance Management• Management of Training	<ul style="list-style-type: none">• Knowledge Management• Advertising Strategies• Advanced Sales Management• Strategic Marketing	<ul style="list-style-type: none">• Knowledge Management• Advanced Financial Accounting-II• Investment Management• Banking Operations
3rd Semester	<ul style="list-style-type: none">• Strategic Management• Master's Thesis	<ul style="list-style-type: none">• Strategic Management• Master's Thesis	<ul style="list-style-type: none">• Strategic Management• Master's Thesis