

Program Duration

The minimum duration for completion of Ph.D. Computer Science degree is three years and maximum duration is eight years.

In any hardship case, the academic committee/council on the recommendation of the committee comprising the Dean, supervisor(s), the registrar and the head of the department may extend said duration. The minimum and maximum limits of the above-mentioned duration may be enhanced for the part-time students.

Degree Completion Requirements

After the Ph.D. course work and passing the comprehensive examination the student shall be evaluated to qualify for the candidacy of research for the Ph.D. program.

For successful completion of the Ph.D. degree, candidate should fulfill the following requirements:

- Successful completion of Ph.D. course work.
- Qualifying the comprehensive examination.
- Successful defense of the research proposal/synopsis.
- Publish at least one research paper from his/her Ph.D. research work in HEC approved journal.
- Successful defense of Ph.D. thesis.

Fee structure

Admission Fee	Rs. 15,000
Registration Fee	Rs. 15,000
Additional Charges (per semester)	Rs. 10,000
Total course work fee (6 course; 18 Cr. Hrs @ Rs. 2000/-)	Rs. 1,80,000
Research Work/Thesis (30 Credit Hours)	Rs. 2,85,000
Total Fee	Rs. 5,55,000



The Institute of Management Sciences

23-E-III, Gulberg-III, Lahore, Pakistan
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The Institute of Management Sciences

Chartered by Govt. of the Punjab - Recognized by HEC

Where AIMS becomes achievements

Doctor of Philosophy in Computer Science

Ph.D. CS

IMS

An Institute of the
Al-Karim Educational Foundation
A non-profit organization of higher education

Program Objectives

The objectives of the Program are primarily drawn to:

- Strengthen research capability to gain professional competence as a specialist in the chosen area of interest.
- Develop analytical skills for achieving competence in exploring new dimensions of research.
- Develop methodologies and practical linkages between research and innovation.

Eligibility Criteria

- Must qualify GRE-Subject/GAT-Subject/IMS Graduate Admission Test (I-GAT) as per HEC requirement/IMS rules.
- MS/M.Phil. (CS/SE/IT) and other areas related to Computer Science) 18 years degree from a chartered institute with minimum CGPA 3.0.
- MS/M.Phil. degree in other disciplines. However, such candidates will need to complete deficiencies or prerequisite determined by the Ph.D. Admission Committee.

Program Structure

Ph.D. program requires a minimum 18 credit hours of Ph.D. course work and at least 30 credit hours of research work. The distribution of the total credit hours is according to the HEC criteria.

	No. of courses	Credit Hours
Need Based Elective (NBE)*	3	9
Related To Research Work (RRW)**	3	9
Thesis		30
Total Credit Hours		48

Specialization is offered in different disciplines depending on the availability of the expertise and as prescribed by HEC. Ph.D. course work credit hours may be implemented via selection of a particular mode of course execution from the various available approaches including guided, taught, seminar/workshop and independent research.

*Need Based Elective

**Research Related Work

Roadmap

Year – 1

Course Title	Credit Hours
Semester – I	
Need Based Elective	3
Need Based Elective	3
Need Based Elective	3
Semester – II	
Research Related Work	3
Research Related Work	3
Research Related Work	3
Total	18

Year – 2

The following requirements are to be fulfilled as per rules of the Academic Committee/Council of IMS/HEC:

- Ph.D. comprehensive Examination to qualify for Ph.D. candidacy.
- Approval of synopsis and research supervisor(s).
- Satisfactory progress on the research thesis.

Year – 3

- Completion of research work and submission of thesis in the format prescribed by the IMS.
- At least one research publication in research journal approved by HEC.
- Evaluation of thesis by at least two foreign experts.
- Successful defense of research work/thesis.

Operation & Supply Chain Management		
Course Title	Cr. Hours	
1 Logistic Management	3	
2 Operations Management and Risks	3	
3 Integrated Management Systems	3	
4 Procurement and Inventory Control	3	
5 Operations Management in Services	3	

Human Resource Management		
Course Title	Cr. Hours	
1 Strategic Human Resource Management	3	
2 Human Resource Training and Development	3	
3 Integrated Management Systems	3	
4 Human Resource Planning and Staffing	3	
5 Compensation Design and Management	3	

Fee structure	
Admission Fee (one time)	Rs. 10,000
Registration Fee	Rs. 10,000
Additional Charges (per semester)	Rs. 10,000
Tuition Fee (per credit hour)	Rs. 5,000
If enrolled in 5 courses totaling 15 Credit Hours, the total tuition fee for the semester will be:	Rs. 75,000
Total Fee	Rs. 3,90,000

Course Load

- Normal work load per semester is 6 courses.
- A student taking normal course load can complete the program in 4 semesters (2 years).
- The maximum time allowed to complete a MBA degree is four academic years.



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Program Objectives

The objectives of MBA Executive program are:

- To develop professional skills with global strategic thinking among the professionals.
- To develop intellectual ability to capitalize managerial skills through providing excellent blend of education, training and coaching.
- To develop entrepreneurial skills among the professionals.

Eligibility Criteria

The eligibility criteria for Executive MBA (EMBA) program is 16 years of education, recognized by HEC universities/institutions along with 3 years' professional experience.

Program Duration

The candidate shall have to complete his/her MBA program within the two years as per HEC requirements.

Degree Requirements

CGPA of 2.5 is required to qualify for the degree.

Core Courses

- Finance 6 credit hours
- Marketing 6 credit hours
- Accounting 6 credit hours
- Management 6 credit hours
- Quantitative Techniques 6 credit hours
- Economics 6 credit hours

Specialization

- Finance
- Marketing
- Management
- Human Resource Management
- Operations and Supply Chain Management

MBA Program of Studies

60 credit hours of course work along with thesis of 6 credit hours

Road Map

No	Semester 1	Credit hours
1	Financial Accounting	3
2	Business Mathematics	3
3	Business Statistics	3
4	Business Economics	3
5	Principles of Management	3
6	Principles of Marketing	3

No	Semester 2	Credit hours
1	Cost Accounting	3
2	Business Finance	3
3	Human Resource Management	3
4	Marketing Management	3
5	Total Quality Management	3
6	Business Communication	3

No	Semester 3	Credit hours
1	Advance Research Methodology	3
2	Financial Management	3
3	Organizational Behavior	3
4	Project Management	3
5	Managerial Economics	3

No	Semester 4	Credit hours
1	Entrepreneurship	3
2	Elective-I	3
3	Elective-II	3
4	Thesis	6

Elective Courses

Management		
Course Title	Cr. Hours	
1 Integrated Management Systems	3	
2 Corporate Governance	3	
3 Research Seminars in Management	3	
4 Leadership Theory and Management	3	
5 Change Management	3	

Marketing		
Course Title	Cr. Hours	
1 Research Seminars in Marketing	3	
2 Integrated Management Systems	3	
3 Global Marketing	3	
4 Digital and Social Media Marketing	3	
5 Customer Relationship Management	3	

Finance		
Course Title	Cr. Hours	
1 Corporate Finance	3	
2 International Finance	3	
3 Financial Forecasting and Modeling	3	
4 Risk Management in Finance	3	
5 Managerial Finance	3	

Marketing		
Course Title		Cr. Hours
1. Research Seminars in Marketing		3
2. Integrated Management Systems		3
3. Global Marketing		3
4. Digital and Social Media Marketing		3
5. Customer Relationship Management		3

Human Resource Management		
Course Title		Cr. Hours
1. Strategic Human Resource Management		3
2. Human Resource Training and Development		3
3. Integrated Management Systems		3
4. Human Resource Planning and Staffing		3
5. Compensation Design and Management		3



Fee structure	
Admission Fee (one time)	Rs. 10,000
Registration Fee	Rs. 10,000
Additional Charges (per semester)	Rs. 10,000
Tuition Fee (per credit hour)	Rs. 5,500
If enrolled in 5 courses totaling 15 Credit Hours, the total tuition fee for the semester will be:	Rs. 82,500
Total Fee	Rs. 4,23,000

Course Load

- Normal work load per semester is 6 courses.
- A student taking normal course load can complete the program in 4 semesters (2 years).
- The maximum time allowed to complete a MBA degree is four academic years.



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MBA

2 Years Program



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Program Objectives

The objectives of MBA program are to:

- Develop best practices to solve managerial issues
- Integrate theories and practice to perform strategic analysis
- Demonstrate effective written forms of communication and oral business presentations
- Implement leadership skills to work effectively within diverse teams
- Identify and analyze ethical responsibilities of businesses
- Apply decision-making techniques, both quantitative and qualitative analysis, to management issues

Eligibility Criteria

The program is designed for graduates with 16 years of education from HEC recognized universities/institutions.

Program Duration

The candidate shall have to complete his/her MBA program within the two years as per HEC requirements.

Degree Requirements

CGPA of 2.5 is required to qualify for the degree.

Core Courses

- Finance 6 credit hours
- Marketing 6 credit hours
- Accounting 6 credit hours
- Management 6 credit hours
- Quantitative Techniques 6 credit hours
- Economics 6 credit hours

Specialization

- Finance
- Marketing
- Management
- Human Resource Management
- Operations and Supply Chain Management

MBA Program of Studies

60 credit hours of course work along with thesis of 6 credit hours

Road Map

No	Semester 1	Credit hours
1	Financial Accounting	3
2	Business Mathematics and Statistics	3
3	Business Finance	3
4	Business Economics	3
5	Principles of Management	3
6	Principles of Marketing	3

No	Semester 2	Credit hours
1	Cost Accounting	3
2	Data Analytics	3
3	Human Resource Management	3
4	Marketing Management	3
5	Financial Management	3
6	Business Communication	3

No	Semester 3	Credit hours
1	Advance Research Methodology	3
2	Strategic Management	3
3	Strategic Finance	3
4	Strategic Marketing	3
5	Managerial Economics	3

No	Semester 4	Credit hours
1	Entrepreneurship	3
2	Elective-I	3
3	Elective-II	3
4	Thesis	6

Elective Courses:

Management		
Course Title		Cr. Hours
1. Integrated Management Systems		3
2. Corporate Governance		3
3. Research Seminars in Management		3
4. Leadership Theory and Management		3
5. Change Management		3

Finance		
Course Title		Cr. Hours
1. Corporate Finance		3
2. International Finance		3
3. Financial Forecasting and Modeling		3
4. Risk Management in Finance		3
5. Managerial Finance		3

Operation & Supply Chain Management		
Course Title		Cr. Hours
1. Logistic Management		3
2. Operations Management and Risks		3
3. Integrated Management Systems		3
4. Procurement and Inventory Control		3
5. Operations Management in Services		3



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Electives

1	Corporate reporting Frameworks	3
2	Accounting Software	3
3	Advanced Auditing	3
4	Contemporary Issues in Finance	3
5	International Finance	3
6	Financial Risk Management	3
7	Islamic Banking & Finance	3

Deficiency Courses

1	Freshman English I	3
2	Business Management	3
3	Introduction to Economics	3
4	Principles of Accounting	3
5	Financial Accounting	3
6	Cost Accounting	3

Fee structure	
Admission Fee (one time)	Rs. 10,000
Registration Fee	Rs. 10,000
Additional Charges (per semester)	Rs. 10,000
Tuition Fee (per credit hour)	Rs. 4,800
If enrolled in 5 courses totaling 15 Credit Hours, the total tuition fee for the semester will be:	Rs. 72,000
Total Fee	Rs. 4,05,600

Course Load

- Normal work load per semester is 6 courses.
- A student taking normal course load can complete the program in 4 semesters (2 years).
- The maximum time allowed to complete a BS degree is four academic years.



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Program Objectives

The objectives of the BS program are to:

- Develop analytical skills applying business analysis, accounting data management and diagnostic problem-solving skills in order to support management decision making.
- Enable students to understand accounting concepts, terms and theories to prepare students for jobs in the fields of accounting & finance.
- Enable students to apply appropriate quantitative and qualitative methodologies to analyze problems in a competitive financial market.
- Prepare students to conduct themselves as responsible citizen with the awareness of ethical and social issues.

Eligibility Criteria

Graduation in Commerce (14 years of education) or equivalent with minimum 45% marks from HEC recognized universities; institutes can apply for admission. Graduate of Arts will have to study deficiency courses.

Program Duration

Total 72 Credit Hours. Duration minimum 2 years, 4 semesters.

Summary of Courses

Fields	Credits	Total Courses
Core Courses	57	19
Additional Credits (Specialized/Elective)	09	03
Research Project	06	01
Total:	72	23

Year-Wise and Semester-Wise Plan of study

Semester 1	Cr. Hrs.
Business Mathematics	3
Computer Application in Business	3
Business Statistics	3
Principles of Business Finance	3
Business Ethics	3
Organizational Behavior	3

Semester 2	Cr. Hrs.
Business Communication	3
Management Accounting	3
Financial Management	3
Corporate Law	3
Research Methods & Report Writing	3
IT Management, Audit & Control	3

Semester 3	Cr. Hrs.
Financial Reporting	3
Consumer Behavior	3
Performance Management	3
Advanced Taxation	3
Strategic Financial Management	3
Elective I	3

Semester 4	Cr. Hrs.
Investment Analysis & Portfolio Management	3
Corporate Governance	3
Elective II	3
Elective III	3
Research Project (Part II)	3

Electives- Information Technology

1	CSC-471	Data Analytics	3
2	CSC-472	Business Intelligence	3
3	CSC-473	Data Sciences	3
4	CSC-474	Digital and Media Marketing	3

Electives- Management

1	MGT-471	Business Policy and Strategies	3
2	MGT-472	Comparative Study of Management Systems	3
3	MGT-473	Logistics Management	3
4	MGT-474	Change Management	3
5	MGT-475	Technology Management	3

Electives- Marketing

1	MKT-471	Sales and Retail Management	3
2	MKT-472	Marketing Research	3
3	MKT-473	Cyber & E-Marketing	3
4	MKT-474	Procurement & Material Management	3
5	MKT-475	Services and Industrial Marketing	3

Electives- Finance

1	FIN-471	Investment & Portfolio Management	3
2	FIN-472	Capital Budgeting & Management	3
3	FIN-473	Essentials of Corporate Finance	3
4	FIN-474	Financial Institution of Pakistan	3
5	FIN-475	Securities Analysis and Risk Management	3

Fee structure	
Admission Fee (one time)	Rs. 10,000
Registration Fee	Rs. 10,000
Additional Charges (per semester)	Rs. 10,000
Tuition Fee (per credit hour)	Rs. 4,800
If enrolled in 5 courses totaling 15 Credit Hours, the total tuition fee for the semester will be:	Rs. 72,000
Total Fee	Rs. 7,48,000

Course Load

- Normal work load per semester is 6 courses.
- A student taking normal course load can complete the program in 8 semesters (4 years).
- The maximum time allowed to complete BBA degree is six academic years.



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Pakistan Management Education
A four-phase organization of higher education

Program Objectives

The objectives of the BBA program are to:

- Provide education in business administration with a view to producing quality professional and subject specialist who can meet the national as well as international standards of business applications.
- Provide educational foundation in Management Sciences that prepare students for an effective contributory/leadership role along diverse career paths.
- Develop professional skills in students for immediate employment in business administration and allied fields.
- Prepare students to conduct themselves as responsible citizen with the awareness of ethical and social issues.

Eligibility Criteria

Intermediate or equivalent degree as determined by the HEC/IMS rules

Program Duration

Total credit hours are 135. The minimum duration is 4 years (8 semesters) and maximum duration is 6 years (12 semesters).

Degree requirements is CGPA 2.00

Summary of Courses:

S.No.	Nature of Courses	Number of Courses	Credit Hours
1	Core course	40	120
2	Concentration Courses	3	9
3	Project Report	--	6
	Total		135

4-Year Program (8 Regular Semesters of 18 weeks each)

Study Plan

Semester-I	
Course Title	Credit Hours
Business Mathematics	3
Computers & Applications	4
Freshman English-I	3
Microeconomics	3
Fundamentals of Accounting	3
Semester Credit Hours:	16

Semester-II	
Course Title	Credit Hours
Business Stats	4
Freshman English-II	3
Principles of Management	3
Macroeconomics	3
Financial Accounting	3
Pakistan studies	2
Semester Credit Hours:	18

Semester-III	
Course Title	Credit Hours
Principles of Marketing	3
Oral Communication in English	3
Organizational Behavior	3
Economy of Pakistan	3
Cost Accounting	3
Islamic Studies	2
Semester Credit Hours:	17

Semester-IV	
Course Title	Credit Hours
Marketing Management	3
Business Communication	3
Consumer Behavior	3
Business Finance	3
Human Resource Management	3
International Relations	3
Semester Credit Hours:	18

Semester-V	
Course Title	Credit Hours
Financial Management	3
Business Law & Ethics	3
Research Methods & Report writing	3
Information Technology	3
Human Psychology	3
International Business Management	3
Semester Credit Hours:	18

Semester-VI	
Course Title	Credit Hours
Money and Banking	3
Environment Sciences	3
Econometrics	3
DBMS	4
Foreign Language	3
Semester Credit Hours:	16

Semester-VII	
Course Title	Credit Hours
Sociology	3
Production & Operations Management	3
Innovation & Leadership	3
Concentration-I	3
Concentration-II	3
Total Quality Management	3
Semester Credit Hours:	18

Semester-VIII	
Course Title	Credit Hours
Entrepreneurship	3
Project Management	3
Concentration-III	3
Research Project	6
Semester Credit Hours:	15

Electives- Information Technology

1	CSC-471	Data Analytics	3
2	CSC-472	Business Intelligence	3
3	CSC-473	Data Sciences	3
4	CSC-474	Digital and Media Marketing	3

Electives- Management

1	MGT-471	Business Policy and Strategies	3
2	MGT-472	Comparative Study of Management Systems	3
3	MGT-473	Logistics Management	3
4	MGT-474	Change Management	3
5	MGT-475	Technology Management	3

Electives- Marketing

1	MKT-471	Sales and Retail Management	3
2	MKT-472	Marketing Research	3
3	MKT-473	Cyber & E-Marketing	3
4	MKT-474	Procurement & Material Management	3
5	MKT-475	Services and Industrial Marketing	3

Electives-Finance

1	FIN-471	Investment & Portfolio Management	3
2	FIN-472	Capital Budgeting & Management	3
3	FIN-473	Essentials of Corporate Finance	3
4	FIN-474	Financial Institution of Pakistan	3
5	FIN-475	Securities Analysis and Risk Management	3

Fee structure	
Admission Fee (one time)	Rs. 10,000
Registration Fee	Rs. 10,000
Additional Charges (per semester)	Rs. 10,000
Tuition Fee (per credit hour)	Rs. 4,800
If enrolled in 5 courses totaling 15 Credit Hours, the total tuition fee for the semester will be:	Rs. 72,000
Total Fee	Rs. 4,05,600

Course Load

- Normal work load per semester is 5 to 6 courses.
- A student taking normal course load (5 to 6 courses per semester) can complete the program in 4 semesters (2 years).
- The maximum time allowed to complete a BBA degree is four academic years.



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BBA

2 Years Program



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Program Objectives

The objectives of the BBA program are to

- Develop analytical skills applying business analysis, data management and diagnostic problem-solving skills in order to support management decision making.
- Develop student ability to understand business concepts terms and theories to prepare students for jobs in the fields of management, marketing, human resources international business and finance.
- Enable to apply appropriate quantitative and qualitative methodologies to analyzed problems in a business context.
- Prepare students to conduct themselves as responsible citizen with the awareness of ethical and social issues.

Eligibility Criteria

Graduation (14 years of education) or equivalent with minimum 45% marks from HEC recognized universities; institute can apply for admission.

Program Duration

Total credit hours are 72. A minimum duration is 2 years (4 semesters).

Summary of Courses

Fields	Credits	Total Courses
Core Courses	57	19
Additional Credits (Specialized/Elective)	09	03
Research Project	06	01
Total:	72	23

Semester-Wise Plan of study

Semester 1	Cr. Hrs.
Financial Accounting	3
Principles of Management	3
Principles of Marketing	3
Business Economics	3
Business Mathematics	3
Management Information System	3

Semester 2	Cr. Hrs.
Cost Accounting	3
Marketing Management	3
Human Resource Management	3
Business Communication	3
Business Statistics	3
Foreign Language	3

Semester 3	Cr. Hrs.
Financial Management	3
Business Research Method	3
Organizational Behavior & Leadership	3
Consumer Behavior	3
Elective I	3
Research Project (I)	3

Semester 4	Cr. Hrs.
Production and Operations Management	3
Total Quality Management	3
Entrepreneurship	3
Elective II	3
Elective III	3
Research Project(II)	3



Department of Theatre, Film & TV
Cordially Invites you
at
Thesis Screening 2015

Date

Friday January 8, 2016

Timings

1 pm - 7 pm

Venue Address

Human Rights Commission of Pakistan
107-Tipu Block, New Garden Town, Lahore

Screening will start at 1pm.

Tea for Guests 6pm.

RSVP

Syed Urooj Samdani 0300-8476749

Qazi Akhyar Ahmad 0334-4066901

Nasir Ali Mazari 0300-9670155

Ahsan Ayub 0313-4222081

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1 Card is valid for 2 persons