



## Virtual University of Pakistan

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 / VirtualUniversityOfPakistan |  / VUPakistan

Price  
Rs. 500/-

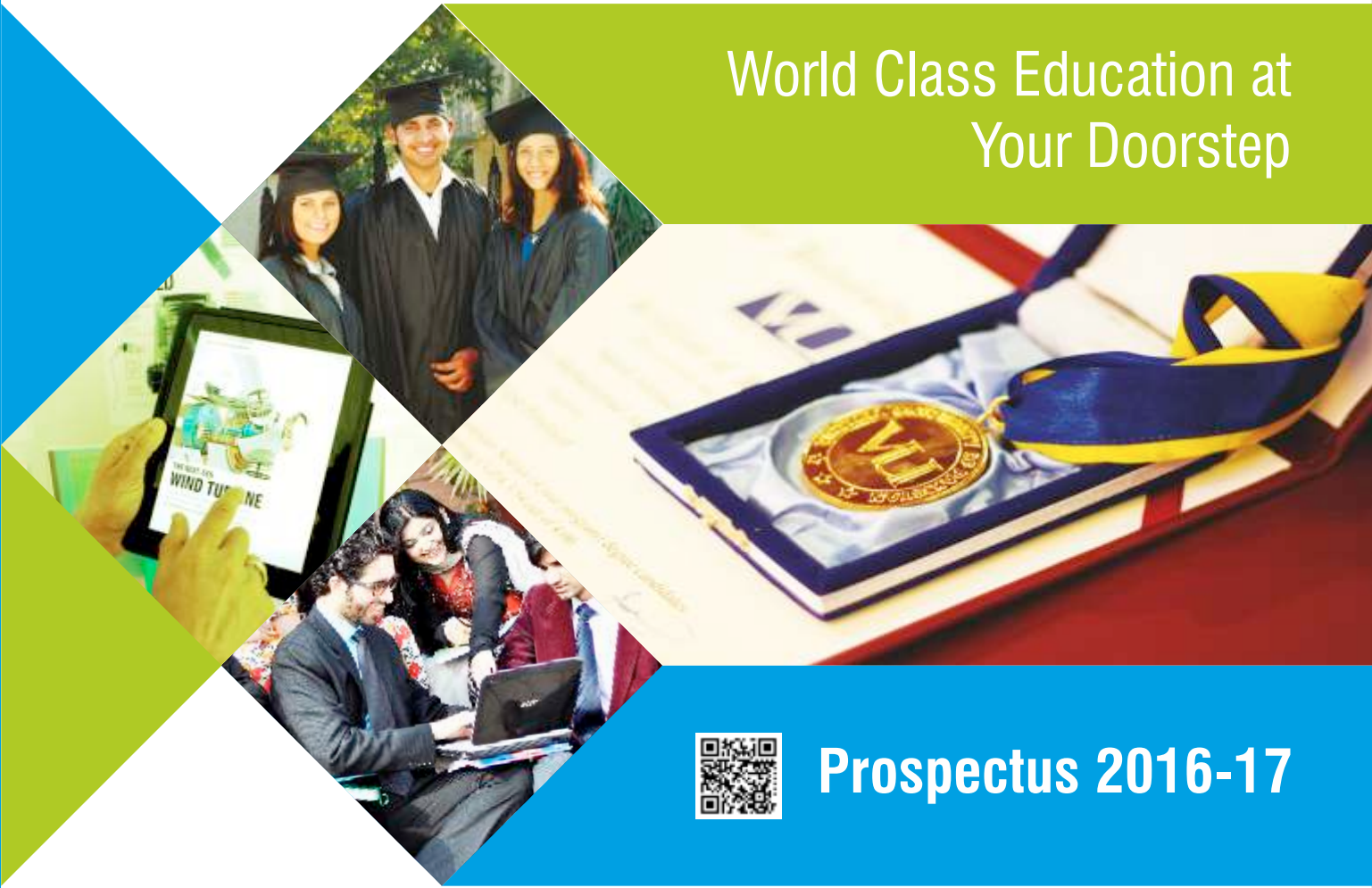


Virtual University of Pakistan - Prospectus 2016-17



# VIRTUAL UNIVERSITY

O F P A K I S T A N



World Class Education at  
Your Doorstep



Prospectus 2016-17

[www.vu.edu.pk](http://www.vu.edu.pk)

## Mission Statement

**“to provide flexible & affordable world-class education to everyone at doorsteps”**

The information provided in this prospectus is relevant to academic year 2016-17 and meant for the guidance of prospective students of Virtual University of Pakistan and shall not be deemed to constitute a contract between the University or any third party. While compiling the information, every effort has been made to ensure its accuracy, correctness and completeness.



However, it shall not imply any legal binding or liability on part of the University or its employees in any way.

The University reserves the right to change the provisions of this prospectus at any time, including, but not limited to, admission eligibility criteria, degree requirements, course offerings and fees schedule etc. as necessitated by University or legislative action.

**WELCOME  
TO**



**VIRTUAL UNIVERSITY  
OF PAKISTAN**

**w w w . v u . e d u . p k**

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## Chancellor's Message



Development of Higher Education is a primary condition for the socio-economic development and societal transformation. It builds the critical human capital necessary for research, innovation, growth and development across all sectors of economy. Inclusive access to higher education can thus transform our strong demographic advantage into a peaceful, modern and prosperous society. To fully benefit from the prevailing demographic reality, we need to educate our people in the shortest possible time. However, supply of qualified faculty vis-à-vis demand is the single largest challenge in accomplishing the task without compromising the quality of education. A practical solution to the problem is the use of modern Information and Communication Technology (ICT) tools to deliver education while maintaining high and internationally compatible standards of education.

Virtual University of Pakistan is the pioneer university to leverage the use of ICT in imparting the best possible education to its students all over the country including the remote areas as well as the Pakistani diaspora overseas.

With its extremely flexible mode, Virtual University enables the students to manage their studies at their convenience and offers every opportunity to discover hidden talents.

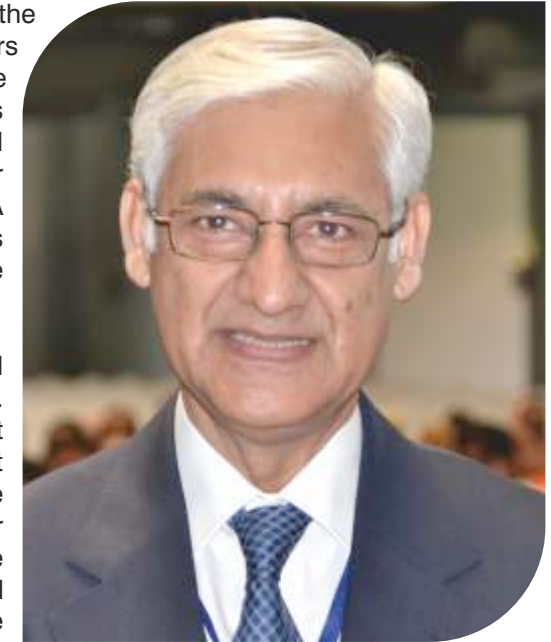
I feel proud that the Virtual University of Pakistan is playing its due role in the socio-economic uplift of the country and contributing towards building an educated nation. I hope that the University will continue to ensure quality of education and teaching and play an increasingly important role in improving access to Higher Education in the country.

Pakistan Paindabad!

**Mamnoon Hussain**

President, Islamic Republic of Pakistan

## Rector's Message



Welcome to the fastest growing academic community in the Country – the Virtual University of Pakistan. In just a few years this Federal Government University has become one of the largest higher education institutions of the country. Its graduates are gainfully employed by prominent industrial and business concerns and many have established their own enterprises and are providing employment to others. A large number of VU graduates are continuing their studies at other top tier universities both within and outside Pakistan.

You must be aware that VU is the pioneer in Information and Communications Technology based education in Pakistan. It employs a unique pedagogy involving video content delivered through multiple modes including broadcast television, the World Wide Web and DVDs. Comprehensive student-teacher interaction and support is provided over the Internet and supplemented using mobile devices. The University has developed world-class courses for you and in order to fully benefit from them, you should become completely familiar with the University's Learning Management System (VULMS). You will be provided a detailed orientation in order to help you get started with your studies at VU.

The Virtual University of Pakistan maintains high academic standards and you will have to work regularly and consistently to get a degree from Virtual University, but let me assure you: the Virtual University's degree is well worth the effort.

If ever you have any problems, questions or suggestions, please do not hesitate to write to me. Your suggestions are very valuable and will help us further improve the programs of the Virtual University.

Once again, welcome, and let us march together towards an educated Pakistan and into a new and prosperous era for our nation.

**Dr. Naveed A Malik**

*(Sitara-e-Imtiaz)*

rector@vu.edu.pk

## Organizational Structure

- The President of the Islamic Republic of Pakistan is the Chancellor of the University.
- The Rector is the Chief Executive and Chief Academic Officer of the University.
- Other Officers of the University include:
  - Registrar
  - Deans
  - Chairpersons or Heads of the Teaching Departments
  - Director Finance
  - Controller of Examinations
  - Director Information & Communication Technologies (ICT)
- The Board of Governors is the apex body of the University, responsible for the general supervision and control of administrative, academic and financial affairs, to lay down the policies and statutes.
- Other Authorities of the University include:
  - Executive Council
  - Academic Council
  - Boards of Study
  - Advanced Studies and Research Board
  - Selection Board
  - Finance and Planning Council
  - Affiliation Committee

## Board of Governors

The constitution of the Board of Governors as defined in the Virtual University Ordinance 2002 is as follows:

Sr. #	Name/Designation	Status/Position
1	Secretary, Ministry of Information Technology & Telecom, Government of Pakistan, Islamabad	Chairman
2	Rector, Virtual University of Pakistan	Member
3	Secretary , Ministry of Education, Islamabad or his nominee not below the rank of Joint Secretary	Member
4	Secretary , Ministry of Information & Media Development, Government of Pakistan, Islamabad	Member
5	Chairperson, Higher Education Commission or his nominee not below the rank of an officer of BPS 20	Member
6	Chairman, National Telecommunications Corporations or his nominee not below the rank of an officer of BPS 20	Member
7	Registrar, Virtual University of Pakistan	Secretary
8	One Retired Judge of the Supreme Court of Pakistan.	Member
9	One Serving or Retired Rector or Vice Chancellor of a Public Sector University	Member
10-12	Three Eminent Educationists or Scientists not being Employees of the University	Member
13	One Expert from Financial Sector	Member
14	One Dean of the University	Member

## Milestones

Important Milestones	Month-Year
Federal charter granted by Government of Pakistan	Sep-02
Virtual University launches 2 free to air Educational Broadcast Television Channels (VUTV 1 & VUTV 2)	Mar-04
University adds 2 more channels to its Television Network (VUTV 3 & VUTV 4)	Aug-06
VU goes global - All video lecture placed on YouTube	Jun-08
Launch of a unique VU e-Examination System	Oct-08
Enrollment exceeds 50,000 students	Sep-09
Launch of VU Open Courseware website	Oct-11
VU Open Courseware website declared best website of the year	Apr-12
Deployment of VU Examination Software to NUST for conduct of Entry Test	Jun-12
Student enrollment crosses 100,000 mark	Oct-12
VU offers its educational resources to other universities free of cost	Nov-12
VU partners with University of the Punjab and Technical University Kaiserslautern, Germany to launch B.Ed. in Technical Education	Sep-14
Deployment of VU Learning Management System (VULMS) to Concordia Colleges	Sep-14
University starts Degree Programs in Life Sciences	Sep-14
Launch of VU Journal	Sep-14
Launch of Global Languages website	Nov-14
Initiation of Ph.D. Programs	Sep-15

## Memoranda of Understanding

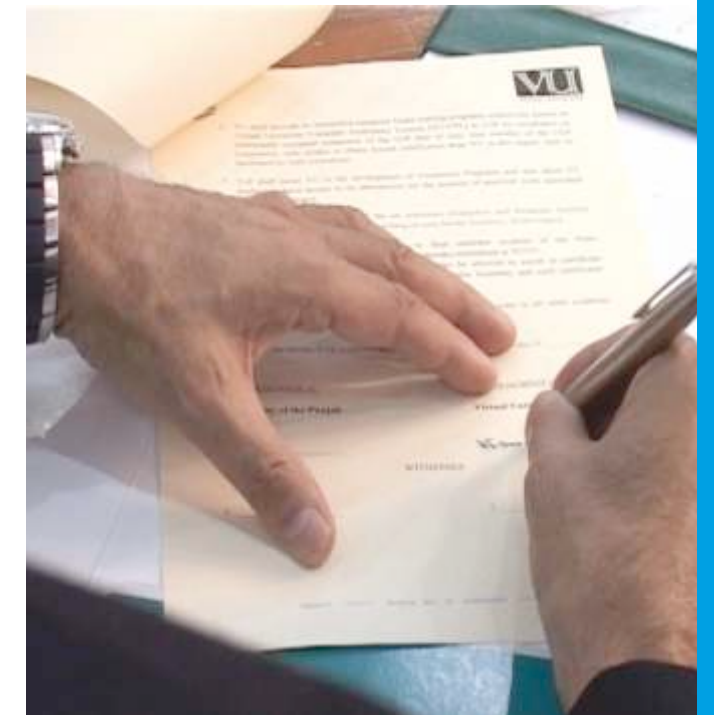
The Virtual University of Pakistan has signed a number of memoranda with renowned organizations mainly focusing on the following areas:

- Development of educational contents
- Exchange of resources
- Joint Degree Programs
- Research & Development
- Staff/Teachers Training
- Strengthening of IT infrastructure

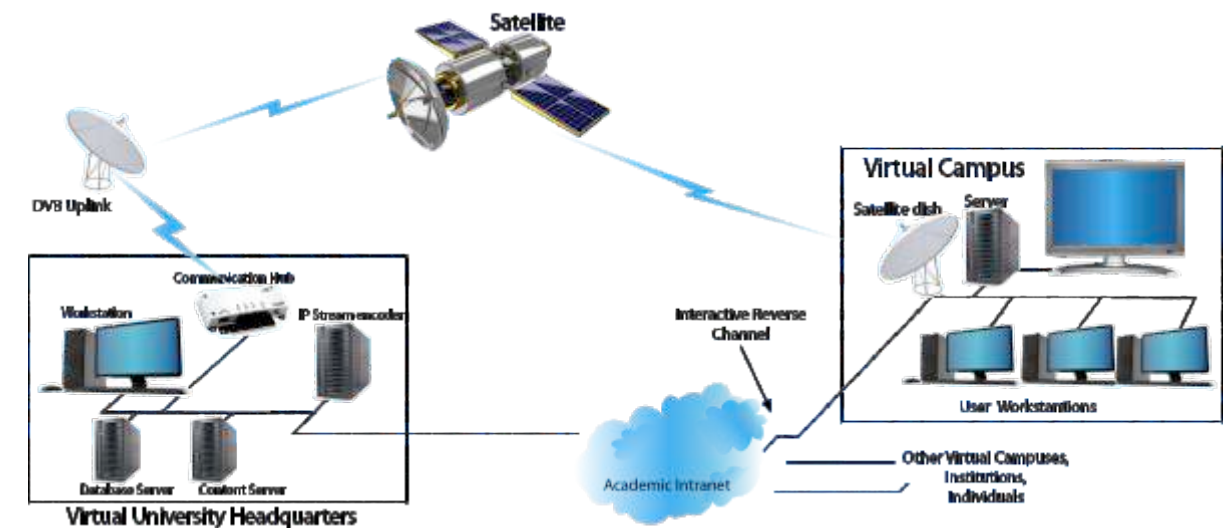
A few prominent Higher Education Institutions/ Organization which have signed MoUs with the Virtual University of Pakistan are listed below:

1. National University of Science and Technology (NUST)
2. IBA-Karachi
3. Government College University, Faisalabad
4. University of Gujrat
5. University of Sargodha
6. University of the Punjab
7. FC College University, Lahore

8. Pakistan Institute of Management
9. Shaheed Benazir Bhutto University, KPK
10. Diamond Group of Industries
11. Gujranwala Chamber of Commerce and Industry (GCCl)
12. Small & Medium Enterprise Development Authority (SMEDA)
13. Abudawood Trading Company Pakistan
14. J & U International, Pakistan-Dubai-Canada



## Mode of Education



The Virtual University uses a combination of video lectures, reading material, audio/video tutorials and on-line interaction (e-class rooms) for imparting knowledge. However, it follows a very formal assessment and evaluation system in the same fashion as used in any conventional higher education institution (HEI). Although, the University observes the semester system with true spirit but its students have complete flexibility to study at their own convenience, pace and place.

More than 160 campuses of the University across Pakistan provide its students a great opportunity to participate in academic activities without any extra burden on their pockets as compared with those studying at home. The wide spread of virtual campuses and complete flexibility to study at home jointly support the unique idea of “World Class Education at Your Doorstep” and in a true sense makes it unnecessary for students to relocate or travel to larger cities for higher education.

The University's video lectures are developed by highly qualified faculty members or field experts in a complete digital environment and handcrafted at its own fully equipped recording studios. These lectures are then delivered through University's Learning Management System and its four free to air Television Channels (VTV1 ~ 4). Lectures are also made available over the Internet on YouTube, Dailymotion and the Virtual University's Open-Courseware site (<http://ocw.vu.edu.pk>). Although, the students can watch these video lectures at their own convenience, however the University suggests a “Time Plan” for guidance and better time management for studies during the semester. Students may also obtain the video lectures on DVDs from the University's online bookshop.

Complete student-teacher interaction and support is provided through the VULMS while semester examinations are conducted in a formal, proctored environment at designated examination centers throughout the country.

The Virtual University of Pakistan started its operations as public sector institution in year 2002. It was the first Information & Communication Technologies (ICT) based university established by the Government of Pakistan with a mission to provide affordable world-class education across the Country and abroad. Since its inception, the University is continuously striving to improve access to higher education for all knowledge seekers. The University strongly believes in providing life-long learning opportunities while keeping its focus on flexibility, convenience and affordability but certainly without compromising on the quality of education. The immense power of ICT, coupled with courses developed by highly qualified experts lead to its unique mode of imparting education and makes it stand out amongst other universities of the Country.

**VU**  
Virtual University

# Admissions



Virtual University of Pakistan offers admission twice in an academic year namely Fall and Spring sessions. Admission opening announcements are published in leading print, electronic and social media.

Applicants fall into the following broad categories:

## Indigenous/Local

The Virtual University offers admissions to all Pakistani nationals regardless of their religion, race, class, creed, color, sex, domicile or location, who are academically qualified for admission towards its offered study programs.

## Overseas Pakistanis

The University also offers opportunity to overseas Pakistanis to seek admission towards its study programs. Admission requirements, rules and regulations remain the same for overseas students as for students residing within Pakistan.

## Foreign Nationals

The University offers admission to candidates holding foreign/ dual nationality residing abroad provided they can understand Pakistan's National Language i.e. 'Urdu'. In such cases, the candidates are required to submit a declaration that he /she will not demand any letter from the University for the Issuance of Pakistani visa to enter the Country.



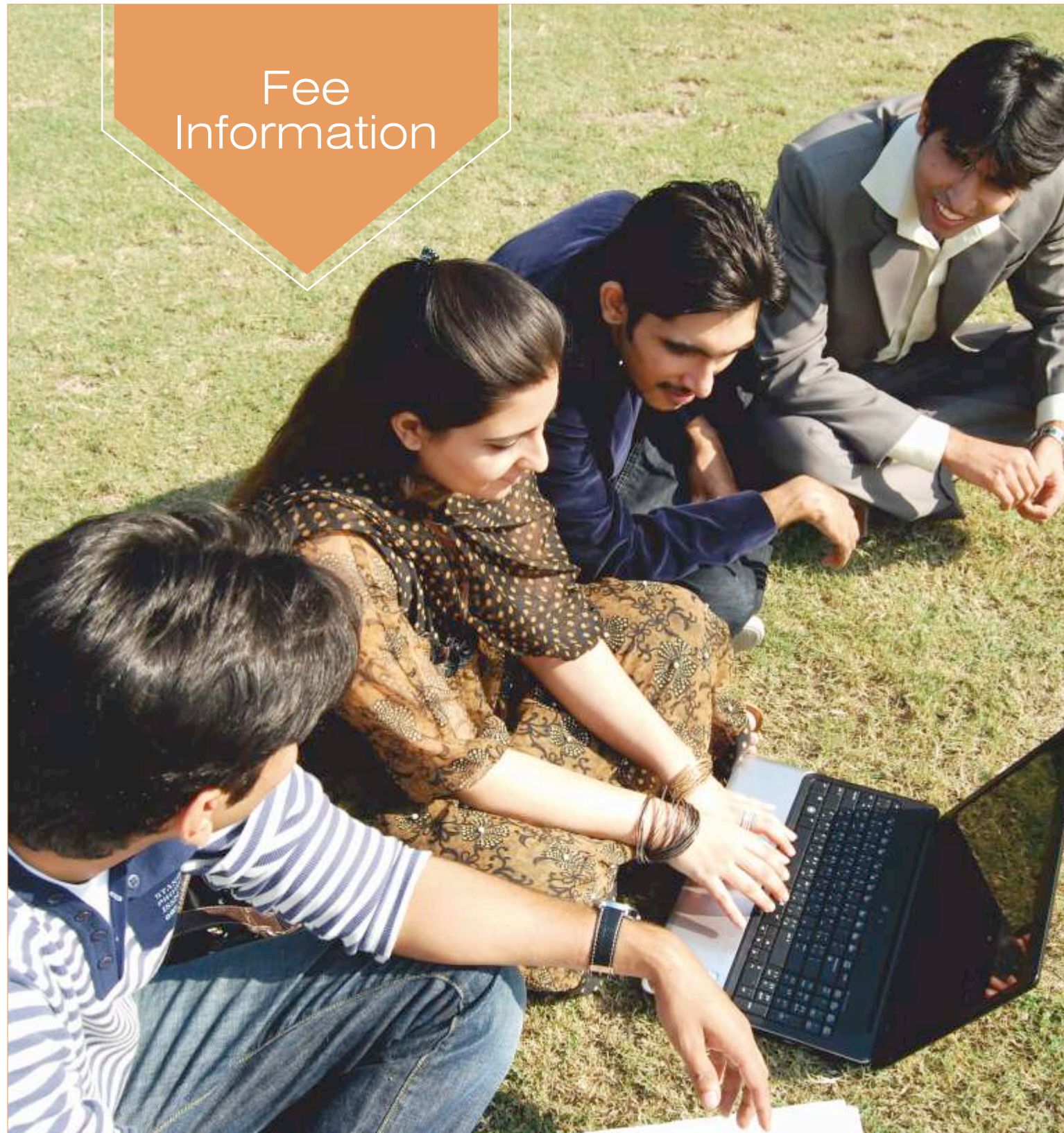
## Confirmation of Admission

The University informs successful applicants using the following means:

- The list of admitted candidates is published on the VU website, and updated on daily basis during the admission session.
- Successful candidates are informed via e-mail and by post.
- Students are provided with their unique Student Identification Number (VU ID) and password to access the VULMS.



# Fee Information



## Fee for Local Students (in Pak Rupees)

Degree Program	Admission Fee (one time)	Registration Fee (one time)	Security Fee (one time, refundable)	Admission Processing Fee (Including prospectus)	Enrollment Fee Per Semester	Tuition Fee per Cr. Hr.	Convocation Fee (one time mandatory)
MBA Top-up	7,000	-	-	500	3,000	2,000	-
Associate Degree Programs	3,000	2,500	2,000	500	1,000	700	2,000
Bachelors	3,000	2,500	2,000	500	1,000	700	2,000
BS	3,000	2,500	2,000	500	1,000	700	2,000
Masters	5,000	2,500	5,000	500	1,000	1,100	2,000
MS	7,000	2,500	10,000	500	3,000	2,000	2,000
Ph.D.	7,000	2,500	10,000	500	3,000	2,000	2,000
Deficiency Semester(s)	3,000	-	-	500	1,000	1,100	-
Diploma	3,000	2,500	2,000	500	1,000	1,100	-
Specialization Certificate	3,000	2,500	-	500	3,000	1,100	-
Zero Semester *	3,000	-	-	500	-	* 7,500	-
Zero Semester for MS Programs *	3,000	-	-	500	-	* 12,500	-
Short Courses *	500	500	-	500	-	* 3,500	-

The revised fee structure is applicable to all students w.e.f. Fall 2016.

**Notes:**

- Admission fee includes degree verification fee from the previous institution.
- Entry Test (where applicable) will be charged @ Rs. 1,000/- and will be non-refundable.
- Tuition fee @ Rs. 1,100/- per credit hour will be charged from MS students enrolled in deficiency course(s).
- Lab fee for practical(s) will be charged (where applicable) at following rates:
  - BS @Rs. 2,000/- per credit hour
  - MS @Rs. 5,000/- per credit hour
- Thesis fee will be charged at following rates (in addition to per credit hour tuition fee):
  - MS @ Rs. 15,000/-
  - Ph.D @ Rs. 25,000/-
- Research fee will be charged at following rates:
  - MS in Bioinformatics, Biotechnology, Genetics, Zoology and Molecular Biology @ Rs. 15,000/-
  - Ph.D @ Rs. 50,000/-

Research fee will be charged at the time of enrolment of research work and will be in addition to the Thesis fee.
- Convocation fee @ Rs. 2,000/- will be charged in the final semester of the respective batch; the payment is mandatory to get transcript, degree and other certificates from the University.
- Endowment fund contribution will be charged @ Rs. 1,000/- one time during entire degree program.
- Fee collection charges @Rs. 100/- per semester.

\* Tuition fee will be charged for the full semester instead of per credit hour.

**Disclaimer:** The University reserves the right to change fee structure from time to time.

**Contact information for queries related to fee:**

Study Program		 042-111880880 (Ext.)	 0304 111 0880 (Ext.)
Associate Degree, BA, BS & PGD programs	bs_fee@vu.edu.pk	433	4330
Masters program	masters_fee@vu.edu.pk	431	3390
MS & Ph.D programs	ms_fee@vu.edu.pk	433	4330



## Fee for Overseas Students (in US \$)

Degree Program	Admission Fee (one time)	Registration Fee (one time)	Enrollment Fee Per Semester	Tuition Fee per Cr. Hr.	Convocation Fee (one time mandatory)
MBA Top-up	150	-	25	50	-
Associate Degree Programs	100	50	15	35	50
Bachelors	100	50	15	35	50
BS	100	50	15	35	50
Masters	100	50	15	45	50
MS	150	50	25	50	50
Deficiency Semester(s)	100	-	15	45	-
Diploma	100	50	15	45	-
Specialization Certificate	100	50	50	45	-
Zero Semester *	100	-	-	* 330	-
Zero Semester for MS Programs *	100	-	-	* 550	-
Short Courses *	25	25	-	* 190	-

The revised fee structure is applicable to all students w.e.f. Fall 2016.

### Notes:

- Admission fee includes degree verification fee from the previous institution.
- Entry Test (where applicable) will be charged @ USD 50/- and will be non-refundable.
- Tuition fee @ \$45/- per credit hour will be charged from MS students enrolled in deficiency course(s).
- On the enrollment of research /thesis work in MS programs, thesis fee @ \$200/- will be charged in addition to per credit hour tuition fee.
- Convocation fee @ \$50/- will be charged in the final semester of the respective batch; the payment is mandatory to get transcript, degree and other certificates from the University.
- Endowment fund contribution will be charged @\$10/- one time during entire degree program.

\* Tuition fee will be charged for the full semester instead of per credit hour.

**Disclaimer:** The University reserves the right to change fee structure from time to time.

### Contact information for queries related to fee:

Mode of Study			
Overseas	overseas_fee@vu.edu.pk	+92 42 111880880 (Ext.) 335	+92 304 111 0880 (Ext.) 3390



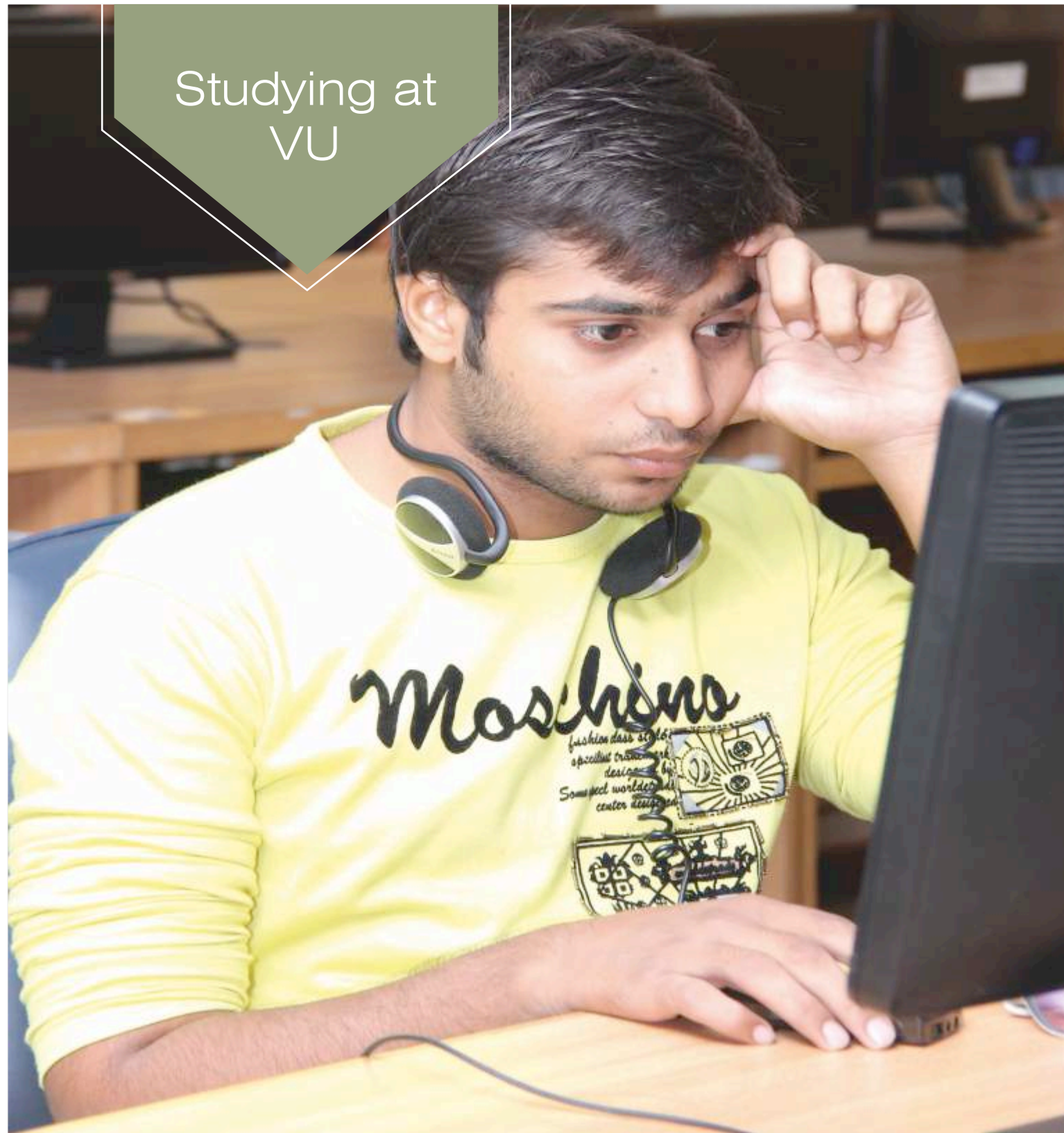
## Schedule of Other Charges

Sr #	Fee Type	Local (Pak Rs.)	Overseas (US\$)
<b>Registrar's Office</b>			
1.	ID Card (Duplicate)	500	20
2.	No Objection Certificate (NOC) / Migration Certificate	500	20
3.	Bonafide Certificate (Student/CGPA/ Statements about English /Project Completion)	500	20
4.	Correction in Student's Profile	500	20
5.	Course Exemption / Transfer of Credit	1,000	25
6.	Issuance of Course Contents	1,000	25
7.	Readmission	2,000	50
8.	Semester Freeze	2,000	50
9.	Conversion/Change of Degree Program	2,000	50
10.	Study Program Change (Bachelors)	2,000	50
11.	Study Program Change (Masters)	4,000	100
<b>Examination</b>			
12.	Rechecking	500	20
13.	Certificate Fee (for each qualified course)	500	20
14.	Verification Fee for Documents/ Degree	500	20
15.	Transcript Fee (Partial / Duplicate)	500	20
16.	Degree Fee (Urgent / Duplicate)	2,000	50
17.	Correction & Reissuance of Transcript & Set of Certificates -Before Issuance of Degree	1,000	25
18.	Correction & Reissuance of Degree, Transcript & Set of Certificates - After Issuance of Degree	3,000	75
19.	Date Sheet- Late Fee	500	20
20.	Date Sheet- Double Late Fee	1,000	25
21.	Rescheduling Fee (for each paper)	2,000	25
<b>Rector's Office</b>			
22.	Appeal Against Decision of Committee of Unfair Means/ Discipline Advisory Committee	1,000	25
23.	Review Appeal Against the Decision of the Rector	2,000	50
<b>Academics</b>			
24.	CS619-Late submission fee for Last deliverable of Final Year Project (within 15 days after due date)	1,500	50
25.	CS619-Late submission fee for Last deliverable of Final Year Project (for next 15 days after extended date)	3,000	75


The revised fee structure is applicable to all students w.e.f. Fall 2016.

**Disclaimer:** The University reserves the right to change fee structure from time to time.


## Studying at VU




### Orientation Program

 The University regularly arranges an orientation program for newly admitted students before the commencement of classes each semester. The orientation program includes familiarization with computers, their operating system and especially the VU Learning Management System (VULMS). The program is conducted at all virtual campuses of the University nationwide. For students who wish to study from home, an orientation video and comprehensive guidelines are available on university's website and VULMS.


### Student Handbook

 The Virtual University has developed and published a student handbook for providing complete understanding and hands on training about the study system at the University. The handbook explains in detail how a student can plan his/her study program and who to contact, in case of any difficulty observed during the studies. The handbook also includes the rules and regulations relevant to student activities. The handbook is an e-publication and available to all students through their VULMS accounts.


### Academic Calendar

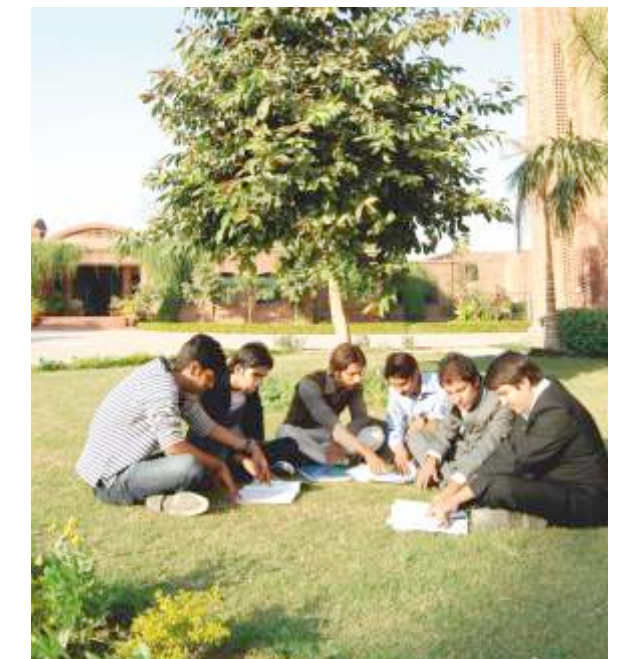
 An academic year comprises of Fall and Spring semesters, each having at least 18 weeks duration. The Fall and Spring semesters commence in October and April of the following year respectively. Semester duration includes actual teaching time & conduct of examinations etc. The Academic calendar is published on VU website before the commencement of each semester.

### Lecture Schedule

 The University observes a formal semester system. Therefore, time-table for lectures is published at the start of each semester on the VU website and updated every week. The video lectures are broadcasted according to this time-table on VU TV channels. Students are expected to follow the schedule by attending lectures through any of the various modes available, on the specified date. However the unique flexibility offered by VU allows students to choose the time of lecture viewing at their own convenience.

### On-line Bookshop

 Video lectures of all courses on multimedia DVDs and lecture handouts/notes in printed form are available at nominal cost from the VU online Book Shop. Lecture DVDs and Course Notes may be ordered on-line by visiting the VU Bookshop web site.



## Learning Management System



The Learning Management System (VULMS) plays a critical role in the Virtual University's mode of study. Students are expected to master the VULMS as soon as possible after confirmation of their admission. Comprehensive details about the VULMS are provided in the orientation sessions and its associated videos.

The VULMS provides the following facilities to the students:

- Maintain and update their personal profile
- Receive all sorts of notifications/ announcements from the University
- View lecture schedule
- Maintain diary (to-do-list) and notes
- Watch lecture videos and attend audio/video tutorials
- Download reading material
- Receive/ submit assignments
- Attempt quizzes
- Interact with teachers/ peers using Moderated Discussion Boards (MDBs)
- Participate in Graded Discussion Boards (GDBs)
- View grade book/ progress report
- View fee account details and obtain fee vouchers



- Submit requests for various student services such as duplicate ID card, semester freeze/unfreeze, change of campus, issuance of transcript etc.

The VULMS can be accessed from the following link:

<http://vulms.vu.edu.pk>

## Assessment and Evaluation

Students' evaluation is based on continuous assessment throughout the semester by combining their performance in assignments, quizzes, Graded Discussion Boards (GDBs), mid and final semester examinations. The mid and final term examinations are conducted at designated centers in a proctored environment and usually count for 80 to 85% of the total marks for a course.

## Examination System

The Virtual University has developed computer based e-Examination system which allows its students to prepare their personalized date-sheet by giving them complete liberty to choose City, Exam Center, Day, Session and even the subject in which they intend to be examined during the mid & final term examinations. Both the examinations are conducted in span of 10 to 12 days. The system also facilitates the students to appear from overseas, in case of traveling abroad or vice versa. In other words, this unique and most flexible system is not less than a blessing especially for working students.

## Scholarships & Financial Assistance

The Virtual University of Pakistan offers the following scholarships and financial assistance programs:

- Merit Scholarships
- Need-Based Scholarships
- Pakistan Bait-ul-Maal Stipends
- Syeda Mubarik Begum Scholarships
- Punjab Workers Welfare Board Scholarships

## Medals and Merit Certificates

The Virtual University of Pakistan awards gold medals to its graduates holding first position in selected study programs of their respective batch and grants merit certificates to those who achieve top three positions. In addition to this, the University also recognizes the efforts of those who secure highest grade in each faculty.



# Faculties and Academic Programs

The Virtual University of Pakistan consists of following faculties:

**Faculty of Arts**

**Faculty of Computer Science and Information Technology**

**Faculty of Education**

**Faculty of Management**

**Faculty of Science & Technology**



## Faculty of Arts

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▪ M.Sc. Organizational Psychology	25
• <b>Bachelor of Science (4-Year) Program</b>	
▪ BS (Psychology)	27
• <b>Bachelor (2-Year) Program</b>	
▪ BA Psychology	29
• <b>Post Graduate Diploma (1-Year) Program</b>	
▪ PGD in Applied Psychology	31

### Department of Mass Communication

• <b>Master (2-Year) Program</b>	
▪ M.Sc. Mass Communication	33
• <b>Bachelor of Science (4-Year) Program</b>	
▪ BS (Mass Communication)	35
• <b>Bachelor (2-Year) Program</b>	
▪ BA Mass Communication (BA)	37
• <b>Post Graduate Diploma (1-Year) Program</b>	
▪ PGD in Television Production	39

### Joint / Multi Discipline

• <b>Bachelor (2-Year) Program</b>	
▪ Bachelor of Arts (BA)	41
• <b>Zero Semester</b>	173
• <b>Certificate Courses</b>	174

### NOTE

The Virtual University of Pakistan may add new course(s)/ subject(s) or replace existing ones at any time as a result of continuous review of scheme of studies of the programs in order to bring them at par with the courses being taught at top notch foreign universities. While reviewing the courses, needs of local industry and job markets are also given full consideration.



## M.Sc. APPLIED PSYCHOLOGY

Now-a-days, the field of Psychology is gaining a lot of attention and demand in the professional market, owing to the changing economic as well as cultural circumstances throughout the world. The psychologists are becoming an essential part of all the major spheres of market and industry globally. Every organization, no matter which domain it belongs to, is hiring psychologists to ensure the mental health of its valuable human resource. The same trend is becoming increasingly functional in Pakistan as well. In this regard, the demand for higher educational qualification in this field is also increasing. The M.Sc. (Applied Psychology) Program offers students with an excellent opportunity to gain in-depth knowledge for professional purposes. The program prepares graduates to enter or further continue their careers as professional psychologists in educational institutes, NGOs, armed forces and government as well as private sector etc.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final-term exams. The mid/final - term exams are conducted at VU's designated exam centers and usually count 80% to 85% of the total marks of a course. The students are also required to submit a Final Project and give presentation which will be evaluated on "Pass/Fail" basis.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	19	57
Elective Courses	2	6
Internship / Project	1	3
<b>Total</b>	<b>22</b>	<b>66</b>

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in an organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree (14-year education) with 'Psychology' as an elective/major subject (or any other relevant equivalent qualification) from a recognized University/ Institute with a minimum of 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates holding Bachelor (2-year) or equivalent degree in disciplines, other than those mentioned above, may enter after earning Post Graduate Diploma (PGD) in Applied Psychology from VU. Common qualified courses will be exempted to such candidates.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- Candidates holding 2-year Bachelor's Degree from VU will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
PSY101	Introduction to Psychology	3	MGT501	Human Resource Management ( <i>Elective</i> )	
PSY404	Abnormal Psychology	3	PSY407	Sport Psychology ( <i>Elective</i> )	3
PSY405	Personality Psychology	3	<i>(Option to select one)</i>		
PSY502	History & Systems of Psychology	3	PSY408	Health Psychology	3
STA630	Research Methods	3	PSY409	Positive Psychology	3
<b>Semester No 2</b>			PSY505	Developmental Psychology	3
PSY402	Experimental Psychology	3	PSY512	Gender Issues in Psychology	3
PSY403	Social Psychology	3	PSY515	Cross Cultural Psychology	3
PSY504	Cognitive Psychology	3	<b>Semester No 4</b>		
PSY610	Neurological Bases of Behavior	3	PSY401	Clinical Psychology	3
PSY631	Psychological Testing & Measurements	3	PSY406	Educational Psychology ( <i>Elective</i> )	
PSY632	Theory & Practice of Counseling	3	PSY513	Forensic Psychology ( <i>Elective</i> )	3
			<i>(Option to select one)</i>		
			PSY510	Organizational Psychology	3
			PSY514	Consumer Psychology	3
			PSY619	Final Project-Psychology ( <i>Elective</i> )	
			PSY1619	Internship Report-Psychology ( <i>Elective</i> )	3
			<i>(Option to select one)</i>		

### AWARD OF DEGREE

To be eligible for the award of M.Sc. Applied Psychology degree, the students are required to qualify the prescribed courses amounting to at least Sixty Six (66) credit hours with a Minimum Cumulative Grade Point Average (CGPA) of 2.00.

## M.Sc. ORGANIZATIONAL PSYCHOLOGY

Within the realm of organization and work environment, the importance of human resources can never be overlooked. Amalgamating psychology in this domain has resulted in enrichment of manpower of organizations/industries on the global level. The healthier the human resources of an organization are mentally, the richer the chances are for economic progress of that organization as well as the entire country. The need for such a collaboration is also increasing in our country and now many organizations are including professional psychologists in various areas of organizations i.e. recruitment, screening, evaluation, morale building, etc. The M.Sc. (Organizational Psychology) Program offers a vast area for the students to understand the peculiarities of organizational domain by viewing them from the lens of a psychologist.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final-term exams. The mid/final - term exams are conducted at VU's designated exam centers and usually count 80% to 85% of the total marks of a course. The students are also required to submit a Final Project and give presentation which will be evaluated on "Pass/Fail" basis.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	63
Internship / Project	1	3
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To be eligible for the award of M.Sc. Organizational Psychology degree, the students are required to qualify the prescribed courses amounting to at least Sixty Six (66) credit hours with a Minimum CGPA of 2.00.

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in an organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree (14-year education) with 'Psychology' as an elective subject, BBA (or any other relevant equivalent qualification) from a recognized University/ Institute with a minimum of 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates holding bachelor's degree in any other disciplines other than mentioned above may enter through Post Graduate Diploma in Applied Psychology (PGD) from VU route.
- Candidates holding PGD in Applied Psychology from VU will be given course(s) exemptions accordingly upon continuation towards M.Sc. Organizational Psychology program.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- Candidates holding 2-year Bachelor's Degree from VU will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program .

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
MGT503	Principles of Management	3	MGT501	Human Resource Management	3
PSY101	Introduction to Psychology	3	MGT502	Organizational Behaviour	3
PSY504	Cognitive Psychology	3	MGT504	Organization Theory & Design	3
STA301	Statistics and Probability	3	PSY409	Positive Psychology	3
STA630	Research Methods	3	PSY512	Gender Issues in Psychology	3
			PSY632	Theory & Practice of Counseling	3
<b>Semester No 2</b>			<b>Semester No 4</b>		
MCM301	Communication skills	3	MGMT611	Human Relations	3
PSY402	Experimental Psychology	3	MGMT623	Leadership & Team Management	3
PSY403	Social Psychology	3	PSY510	Organizational Psychology	3
PSY405	Personality Psychology	3	PSY514	Consumer Psychology	3
PSY511	Environmental Psychology	3	PSY619	Final Project-Psychology ( <i>Elective</i> )	
PSY631	Psychological Testing & Measurements	3	PSYI619	Internship Report-Psychology ( <i>Elective</i> )	3
			<i>(Option to select one)</i>		





## BS PSYCHOLOGY

Psychology is the science of behavior and mind. In the BS program, the study of psychology provides an understanding of basic processes of sensation, perception, learning, cognition, development, and personality along with principles of social psychology, clinical psychology, and behavioral neuroscience. Knowledge of psychological principles and of scientific methods for evaluating theories and research in the social sciences is essential in our rapidly changing society. The basic goal of the BS program is to integrate the scientific foundation of psychology with a strong humanities background along with basic science to prepare better students for advanced training in psychology, medicine, cognitive science, neuroscience, and other related disciplines. The program explicitly helps prepare students for advanced graduate studies in the sciences and science-based professions.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship / Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
PSY101	Introduction to Psychology	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	1
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		
<b>Semester No 2</b>		
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
PSY404	Abnormal Psychology	3
PSY502	History & Systems of Psychology	3
SOC101	Introduction to Sociology	3

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. ([www.ibcc.edu.pk](http://www.ibcc.edu.pk))
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS (Psychology) Degree, a student is required to earn prescribed number of credit hours with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
MCM301	Communication skills	3	MGMT623	Leadership & Team Management	3
MGMT611	Human Relations	3	MGT101	Financial Accounting	3
PSY403	Social Psychology	3	MGT502	Organizational Behaviour	3
PSY405	Personality Psychology	3	PSY401	Clinical Psychology	3
STA630	Research Methods	3	PSY505	Developmental Psychology	3
			PSY512	Gender Issues in Psychology	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
MCM401	Fundamentals of Public Relations	3	MGT501	Human Resource Management	3
MGT503	Principles of Management	3	PSY406	Educational Psychology	3
PSY402	Experimental Psychology	3	PSY510	Organizational Psychology	3
PSY610	Neurological Bases of Behavior	3	PSY511	Environmental Psychology	3
SOC401	Cultural Anthropology	3	PSY513	Forensic Psychology	3
			PSY632	Theory & Practice of Counseling	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
MGT111	Introduction to Public Administration	3	MCM511	Theories of Communication	3
MGT301	Principles of Marketing	3	PSY407	Sport Psychology	3
PSY409	Positive Psychology	3	PSY408	Health Psychology	3
PSY504	Cognitive Psychology	3	PSY514	Consumer Psychology	3
PSY631	Psychological Testing & Measurements	3	PSY515	Cross Cultural Psychology	3
STA301	Statistics and Probability	3	XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Student taking Internship course are required to complete 6 to 8 weeks internship in an organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## BA PSYCHOLOGY

The Bachelor of Arts in Psychology program is a regular 2-year degree program which has been designed to equip the students with requisite knowledge and skills to help them take an early start of their professional career so that they can earn their living and support their families too.

**Note:** Candidates holding 2-year Bachelor's Degree will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program at a later stage in life.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	60
<b>Total</b>	<b>21</b>	<b>60</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
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#### Semester No 1

CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
PSY101	Introduction to Psychology	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1

(Option to select one)

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. ([www.ibcc.edu.pk](http://www.ibcc.edu.pk))
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To be eligible for the award of BA in Psychology Degree, a student is required to earn prescribed number of credit hours with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
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#### Semester No 2

ECO401	Economics	3
ENG201	Business and Technical English Writing	3
PSY404	Abnormal Psychology	3
PSY502	History & Systems of Psychology	3
SOC101	Introduction to Sociology	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
MCM301	Communication skills	3	MCM401	Fundamentals of Public Relations	3
MGMT611	Human Relations	3	MGT503	Principles of Management	3
PSY403	Social Psychology	3	PSY402	Experimental Psychology	3
PSY405	Personality Psychology	3	PSY610	Neurological Bases of Behavior	3
STA630	Research Methods	3	SOC401	Cultural Anthropology	3



## PGD IN APPLIED PSYCHOLOGY

Post Graduate Diploma in Applied Psychology has been designed with a core purpose of developing skilled individuals for the field of psychology. This study program will help tackling with rising mental health problems by producing skilled competent professionals for the field. The program is especially helpful for all psychology graduates, non-psychology graduates, doctors, nurses, social workers and other specialists serving in public/private sector organizations like NGOs or those intend to pursue their higher studies in the field of Psychology but have no previous subject knowledge. Students seeking their career in Applied Psychology can also be the wonderful beneficiaries of this program.

### Note:

- Upon successful completion of PGD in Applied Psychology the students will be eligible to seek admission towards M.Sc. Psychology program and will be given exemptions in already qualified common courses.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 2</b>			<b>Semester No 2</b>		
PSY101	Introduction to Psychology	3	PSY402	Experimental Psychology	3
PSY404	Abnormal Psychology	3	PSY403	Social Psychology	3
PSY502	History & Systems of Psychology	3	PSY405	Personality Psychology	3
STA630	Research Methods	3	PSY632	Theory & Practice of Counseling	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4.

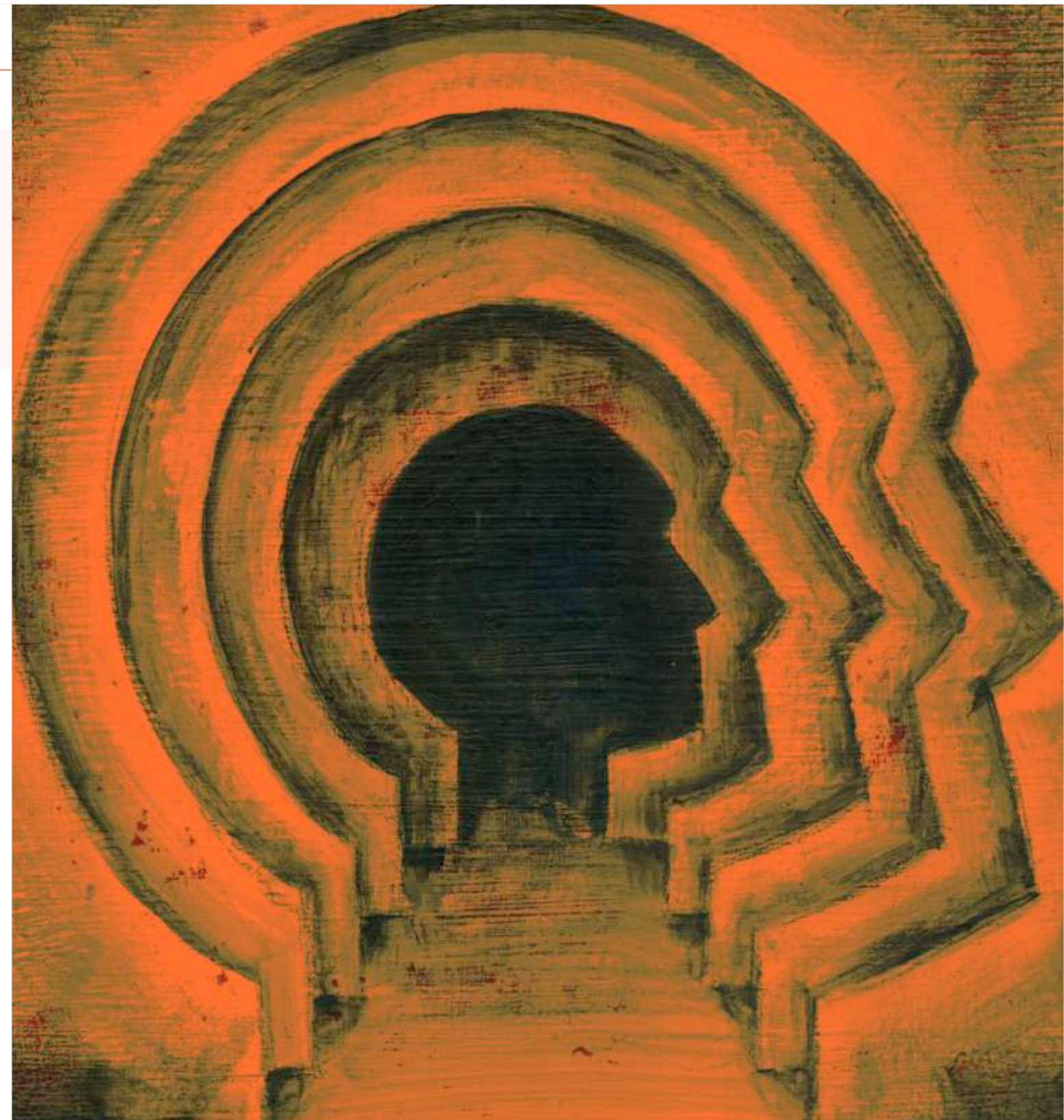
### Note:

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 1 year / 2 Semesters

### AWARD OF DIPLOMA

To be eligible for the award of Post Graduate Diploma in Applied Psychology, students are required to complete course work program (minimum two semesters) of at least 24 credit hours course work with minimum CGPA 2.00.



## M.Sc. MASS COMMUNICATION

Master's program in Mass Communication aims to provide learners a sound theoretical knowledge in the field of mass media. Whether it is the mushroom growth of TV channels in the country or increasing trend of online journalism along with all-time reliable print media, mass communication is expanding on a fast pace in its all dimensions. Thus it is expected to be a golden opportunity for those who are aspiring to work as broadcast journalists, reporters and producers in Television, Radio or Newspapers. Professionals, already associated to this field can also opt for this program in order to enhance their qualification. This study program will equip the students with reporting techniques, stages of news production, media laws and behind the camera operations in order to achieve professional competence demanded by the industry.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	18	54
Elective Courses	3	9
Internship / Project	1	3
<b>Total</b>	<b>22</b>	<b>66</b>
Specialization Courses		
Electronic Media	3/3	9
Print Media	3/3	9

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Student taking Internship course are required to complete 6 to 8 weeks internship in an organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree equivalent to 14-year education from a recognized University/Institute with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- Candidates holding 2-year Bachelor's Degree from VU will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program at a later stage in life.

### DURATION: 2 years / 4 Semesters

### AWARD OF DEGREE

To be eligible for the award of M.Sc. Mass Communication degree, the students are required to qualify the prescribed courses amounting to at least Sixty Six (66) credit hours with a Minimum Cumulative Grade Point Average (CGPA) of 2.00.

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
MCM101	Introduction to Mass Communication	3	MCM431	Development Communication	3
MCM301	Communication skills	3	MCM501	Advertising for Print and Electronic Media	3
MCM304	Mass Media in Pakistan	3	MCM511	Theories of Communication	3
MCM311	Reporting and Sub-Editing	3	MCM604	International Communication	3
MCM531	Community Journalism	3	PSY403	Social Psychology	3
PSC201	International Relations	3	STA630	Research Methods	3
<b>Semester No 2</b>			<b>Semester No 4</b>		
MCM401	Fundamentals of Public Relations	3	MCM310	Journalistic Writing	3
MCM411	Introduction to Broadcasting	3	MCM532	Magazine Journalism	3
MCM514	Feature & Column Writing	3	MCM601	Media Management	3
MCM520	Contemporary Mass Media	3	<i>(Print Media Specialization Courses)</i>		
MCM610	Mass Communication Law & Ethics	3	MCM515	Radio News Reporting & Production	3
SOC101	Introduction to Sociology	3	MCM516	TV News Reporting & Production	3
			MCM517	Online Journalism	3
			<i>(Electronic Media Specialization Courses)</i>		
			MCM619	Final Project-Mass Communication	
			MCM1619	Internship Report-Mass Communication	3
			<i>(Option to select one)</i>		

### AREAS OF SPECIALIZATION

The students are required to select an area of specialization from the options given below in their last semester.

- Print Media
- Electronic Media

## BS MASS COMMUNICATION

The BS Mass Communication Program strives to provide students with a creative, diverse, and challenging academic environment that encourages risk-taking and promotes an examination of human values, cultural differences, and social questions and to prepare students for areas in the print and telecommunications media sectors.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship / Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MCM101	Introduction to Mass Communication	3
MCM401	Fundamentals of Public Relations	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. ([www.ibcc.edu.pk](http://www.ibcc.edu.pk))
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS Mass Communication Degree, a student is required to earn prescribed number of credit hours with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MCM411	Introduction to Broadcasting	3
MGT211	Introduction to Business	3
SOC101	Introduction to Sociology	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
MCM301	Communication skills	3	MCM514	Feature & Column Writing	3
MCM311	Reporting and Sub-Editing	3	MCM532	Magazine Journalism	3
MCM511	Theories of Communication	3	MGT502	Organizational Behaviour	3
MCM515	Radio News Reporting & Production	3	PSC401	Public International Law	3
MGT301	Principles of Marketing	3	STA301	Statistics and Probability	3
			STA630	Research Methods	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
MCM304	Mass Media in Pakistan	3	IT430	E-Commerce	3
MCM310	Journalistic Writing	3	MCM520	Contemporary Mass Media	3
MCM431	Development Communication	3	MCM531	Community Journalism	3
MCM501	Advertising for Print and Electronic Media	3	MCM604	International Communication	3
MCM516	TV News Reporting & Production	3	MGMT611	Human Relations	3
			MGT501	Human Resource Management	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
MGT101	Financial Accounting	3	MCM517	Online Journalism	3
MGT111	Introduction to Public Administration	3	MCM601	Media Management	3
MGT201	Financial Management	3	MCM610	Mass Communication Law & Ethics	3
MGT503	Principles of Management	3	PSC201	International Relations	3
MTH302	Business Mathematics & Statistics	3	SOC401	Cultural Anthropology	3
PSY101	Introduction to Psychology	3	XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Student taking Internship course are required to complete 6 to 8 weeks internship in an organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## BA MASS COMMUNICATION

The Bachelor of Arts in Mass Communication program is a regular 2-year degree program which has been designed to equip the students with requisite knowledge and skills which would help them take an early start of their professional career so that they can earn their living and support their families too.

**Note:** Candidates holding 2-year Bachelor's Degree will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	60
<b>Total</b>	<b>21</b>	<b>60</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MCM101	Introduction to Mass Communication	3
MCM401	Fundamentals of Public Relations	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

**Note:**

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. ([www.ibcc.edu.pk](http://www.ibcc.edu.pk))
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To be eligible for the award of BA in Mass Communication Degree, a student is required to earn prescribed number of credit hours with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MCM411	Introduction to Broadcasting	3
MGT211	Introduction to Business	3
SOC101	Introduction to Sociology	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
MCM301	Communication skills	3	MCM304	Mass Media in Pakistan	3
MCM311	Reporting and Sub-Editing	3	MCM310	Journalistic Writing	3
MCM511	Theories of Communication	3	MCM431	Development Communication	3
MCM515	Radio News Reporting & Production	3	MCM501	Advertising for Print and Electronic Media	3
MGT301	Principles of Marketing	3	MCM516	TV News Reporting & Production	3



## POST GRADUATE DIPLOMA IN TELEVISION PRODUCTION

The Department of Mass Communication in collaboration with Virtual University Television Network (VUTV) offers Post Graduate Diploma in TV production. The key features of the program are to bring top notch performers and technicians of Television industry in forefront for imparting theoretical knowledge strongly backed by their wide expertise of the field. The diploma program is expected to be a great area of interest in general for students of Mass Communication who aspire to have bright future in electronic media and in particular to working professionals who intend to improve their qualification within their tough work routine. Having a full-fledged & developed set-up of TV station for the hands on training of the students, Virtual University's diploma program would have an edge over other universities' programs with reference to providing a sound field exposure to its prospect students.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. At the end of the final semester students would be required to submit a documentary/short film (Project).

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
Final Project	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
MCD401	Camera basics, principles and practices	3	MCD403	Music Production	3
MCD402	Lighting for TV Production	3	MCD404	Audio-Visual Editing	3
MCD501	TV Direction	3	MCD503	TV News and Current Affairs	3
MCD502	Script Writing	3	MCD620	Final Project	6
MCD504	Acting and Performance	3			

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4.

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To be eligible for the award of PGD in TV Production, students are required to complete course work program of at least 30 credit hours with a minimum CGPA of 2.00.

### FINAL PROJECT

Final project will either be a documentary or a short telefilm produced by students. For this purpose, students will be engaged in idea conception, scriptwriting, shooting videos and finally going through post production stages before submitting their finalized product. It would be a group activity and two to three students may join together to make a group. A panel comprising professionals of VUTV and members from academic staff would evaluate the final projects of the students



## BACHELOR OF ARTS

The Bachelor of Arts (BA) program is a regular 2-year degree program in which students are offered with a combination of any two of areas from the available electives/ Majors: Business, Journalism, Psychology, Computer Science and Education. After successful completion of two-year BA, students have an option to continue 4-Year BS Commerce/ BS Psychology/ BS Mass Communication or BS Computer Science by taking remaining credit hours in at least 4-semesters.

**Note:** Candidates holding 2-year Bachelor's Degree will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program at a later stage in life.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams. The mid-term and final term exams are conducted at VU's designated centers and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	13	36
Elective/ Major 1	4	12
Elective/ Major 2	4	12
<b>Total</b>	<b>22</b>	<b>60</b>

### ELECTIVES/ MAJORS

The students are required to select two elective/ major areas from the following, where each area comprises four courses:

- Business
- Journalism
- Psychology
- Computer Science
- Education

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

**Note:**

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. ([www.ibcc.edu.pk](http://www.ibcc.edu.pk))
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To be eligible for the award of Bachelor of Arts Degree, a student is required to earn prescribed number of credit hours with a minimum Cumulative Grade Point Average (CGPA) of 2.00.

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS001	VU-Computer Proficiency License	3	PSY502	History & Systems of Psychology	3
ENG101	English Comprehension	3	<i>(Psychology Elective/ Major Courses)</i>		
MGT211	Introduction to Business	3	CS201	Introduction to Programming	3
SOC101	Introduction to Sociology	3	CS304	Object Oriented Programming	3
PAK301	Pakistan Studies	2	<i>(Computer Science Elective/ Major Courses)</i>		
ETH201	Ethics (for Non-Muslims)	1	EDU201	Learning Theories	3
ISL201	Islamic Studies	1	EDU301	General Methods of Teaching	3
<i>(Option to select one)</i>			<i>(Education Elective/ Major Courses)</i>		
<b>Semester No 2</b>			<b>Semester No 4</b>		
CS101	Introduction to Computing	3	ENG401	Intro. to Literature: Short Story and Poetry	3
ECO401	Economics	3	MGT503	Principles of Management	3
ENG201	Business and Technical English Writing	3	MTH302	Business Mathematics & Statistics	3
MGT111	Introduction to Public Administration	3	<i>(Business Elective/ Major Courses)</i>		
PSY101	Introduction to Psychology	3	MCM311	Reporting and Sub-Editing	3
<b>Semester No 3</b>			MCM401	Fundamentals of Public Relations	3
ENG301	Business Communication	3	<i>(Journalism Elective/ Major Courses)</i>		
MGT101	Financial Accounting	3	PSY401	Clinical Psychology	3
MGT301	Principles of Marketing	3	PSY512	Gender Issues in Psychology	3
<i>(Business Elective/ Major Courses)</i>			<i>(Psychology Elective/ Major Courses)</i>		
MCM101	Introduction to Mass Communication	3	CS403	Database Management Systems	3
MCM310	Journalistic Writing	3	CS507	Information Systems	3
<i>(Journalism Elective/ Major Courses)</i>			<i>(Computer Science Elective/ Major Courses)</i>		
PSY403	Social Psychology	3	EDU305	Classroom Management	3
<b>Semester No 4</b>			EDU405	Classroom Assessment	3
			<i>(Education Elective/ Major Courses)</i>		





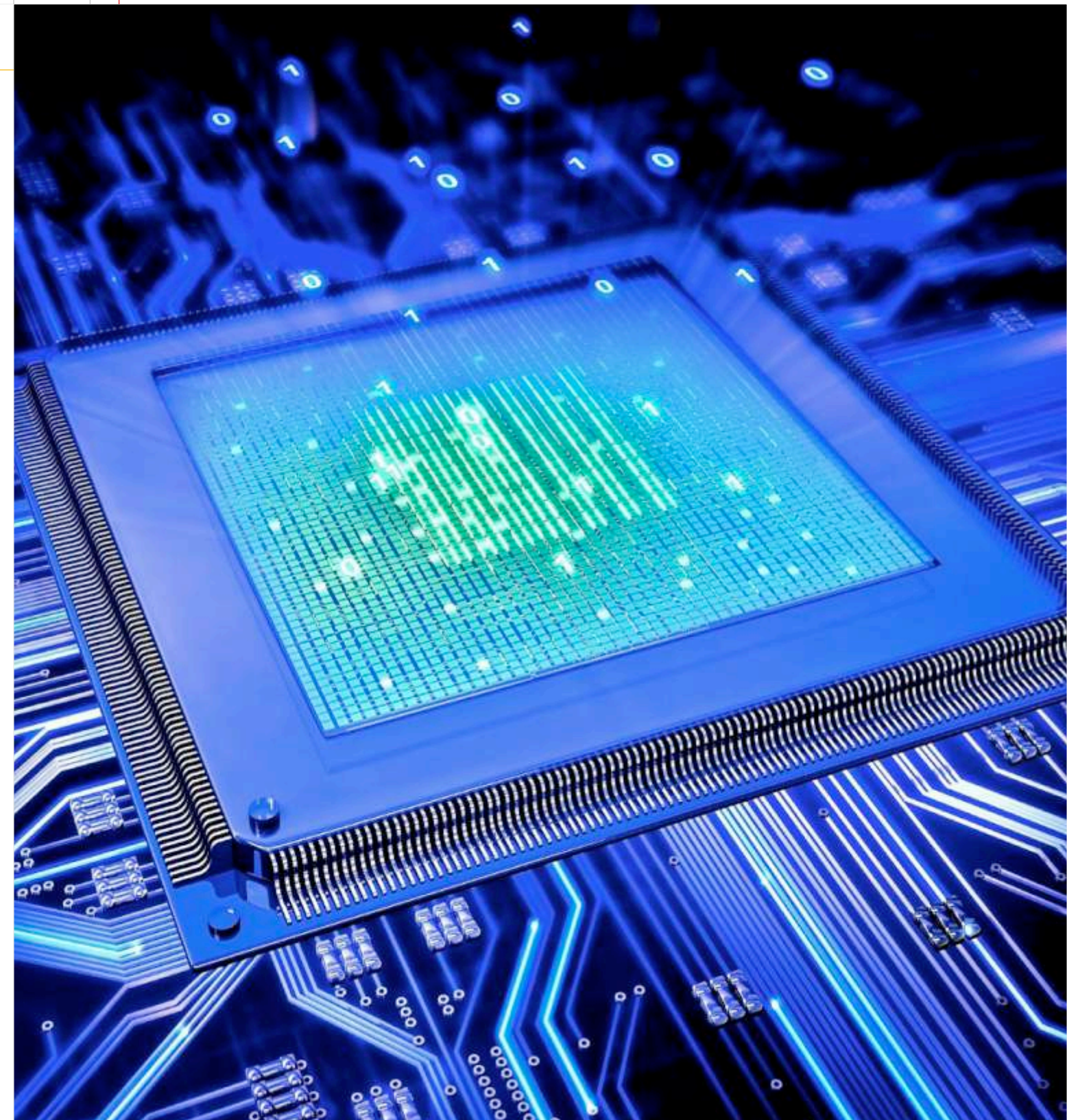
## Faculty of Computer Science and Information Technology

### Department of Computer Science and Information Technology

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### NOTE

The Virtual University of Pakistan may add new course(s)/ subject(s) or replace existing ones at any time as a result of continuous review of scheme of studies of the programs in order to bring them at par with the courses being taught at top notch foreign universities. While reviewing the courses, needs of local industry and job markets are also given full consideration.



## MASTER OF SCIENCE IN COMPUTER SCIENCE [With Thesis OR Course Work]

Master of Science in Computer Science (MSCS) is being offered by the Department of Computer Science and Information Technology within and outside Pakistan. The program is designed to produce academicians and professionals of high quality. The designed course work provides depth and breath-based knowledge of core computer science areas. Moreover specialization courses enable students to develop advanced expertise in their chosen area of specialization. Currently, three specializations are being offered:

- Computer Networks
- Databases
- Software Engineering

**Note:** Upon completion of at least 18-credit hours of course work in MSCS degree program, limited number of seats will be available to students on merit for Thesis/ Research Work. Other students can complete their degree program by choosing course work track option.

### ASSESSMENT OF STUDY PROGRESS:

Students' study progress is evaluated continuously throughout the semester using the assessment tools as described below. The mid-term and final-term exams are conducted at VU's designated exam centers.

ASSESSMENT TOOL	MARKS
Assignments	20
Academic Paper	15
Seminar/ Presentation	05
Mid-Term Exam	30
Final-Term Exam	30
<b>TOTAL</b>	<b>100</b>

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	2	6
Elective Courses	6	18
Thesis OR Courses	1 / 2	6
<b>Total</b>		<b>30</b>
Specialization Courses		
Computer Networks *	3 / 6	9
Databases **	3 / 3	9
Software Engineering ***	3 / 5	9

### ADMISSION ELIGIBILITY CRITERIA

16-year of education, i.e., BS in Computer Science/ BS in Information Technology/ Bachelor of Computer Science (Hons)/ Master of Computer Science/ Master of Information Technology/ M.Sc. (Computer Science) from a recognized institution with first division or CGPA of 2.5 out of 4.

**Note:**

- Candidates having Computer Engineering / Bachelor of Science in Software Engineering / Bachelor of Engineering in Information Technology / Bachelor of Engineering (Computer & Information System) / B.Sc. Computer System Engineering (16-year education) from a recognized institution are also eligible but have to qualify **deficiency course(s)**.
- Each candidate is required to pass the University's Entry Test (with minimum 50% marks).
- Candidates having less than 1st division or CGPA below 2.50 out of 4 will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS701	Theory of Computation	3	CS718	Wireless Networks *	3
CS702	Advanced Algorithms Analysis and Design	3	CS723	Probability and Stochastic Processes *	3
CS710	Mobile and Pervasive Computing *	3	CS713	Object Oriented DBMS **	3
CS712	Distributed DBMS **	3	CS709	Formal Methods for Software Engineering ***	3
CS706	Software Quality Assurance ***	3	CS720	Thesis	6
<b>Semester No 2</b>			<b>Semester No 4</b>		
CS703	Advanced Operating Systems	3	CS707	Network Security *	3
CS704	Advanced Computer Architecture-II	3	CS721	Network Performance Evaluation *	3
CS726	Information Retrieval Techniques **	3	CS711	Software Design ***	3
CS716	Advanced Computer Networks *	3	CS724	Software Process Improvement ***	3
CS708	Software Requirement Engineering ***	3			

### GUIDELINES FOR THESIS ENROLLMENT:

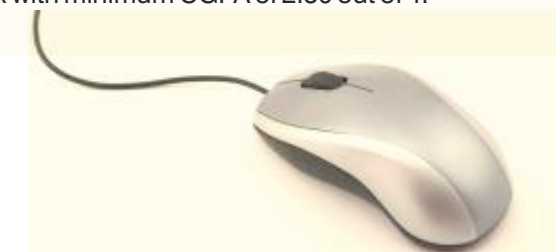
- A merit list will be calculated before the start of course selection in each semester for the students. The basic criteria for the merit will be the completion of minimum 18 MS level credit hours with CGPA  $\geq 2.75$ . Limited number of seats on merit will be offered to enroll thesis research. In case, a student, eligible for the thesis, opts to take the course work-only then the next student in the merit list will be offered the choice to enroll thesis research.
- After enrolling Thesis Research, a student may decide at any stage switch to the course work-only option.

### AWARD OF DEGREE

**Thesis Track:** To become eligible for the award of MSCS degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hour Thesis Research with minimum CGPA of 2.50 out of 4.

**OR**

**Course Work Track:** To become eligible for the award of MSCS degree, a student is required to complete at least 30-credit hour prescribed course work with minimum CGPA of 2.50 out of 4.



## MASTER OF COMPUTER SCIENCE (MCS)

The Department of Computer Science and Information Technology offers a two-year MCS program which has been designed specially for those who wish to enter this highly exciting and challenging field to meet the growing need of computer science experts in the rapidly evolving 21st century job market. The program provides a strong technological base that will enable the graduates to capitalize on the increasing career opportunities in this sector. This specialization provides a highly demanded expertise, great mobility, flexibility, and an impressive range of possible career choices in the industry.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	22	66
Project	1	6
<b>Total</b>	<b>23</b>	<b>72</b>

### AWARD OF DEGREE

To become eligible for the award of MCS degree, students are required to qualify prescribed courses amounting to at least 72 credit hours with a minimum CGPA of 2.00.

### PROJECT

Students are required to complete a project of 6 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor / supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.

### ADMISSION ELIGIBILITY CRITERIA

Bachelor degree from a recognized university/institute in any of the following subject: Mathematics, Physics, Computer Science, Commerce, Statistics, Economics, Engineering wherein two courses must be from the same department in a semester system or at least 150 marks weightage under annual system. Candidate must have at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidate holding PGD in Computer & Information Technology, PGD in Business Administration dually issued by the recognized Institute / University are eligible for admission towards MCS Program.
- Candidates who have not studied any one of the required above-mentioned subjects in their graduation are eligible for admission provided they first qualify "Deficiency Semester for MCS/MIT".
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester". Whereas those who have not studied above mentioned required subjects must qualify the "Deficiency Semester for MCS/ MIT" as well.
- Candidates holding 2-year Bachelor's Degree from VU will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS201	Introduction to Programming	3	CS501	Advance Computer Architecture	3
CS402	Theory of Automata	3	CS502	Fundamentals of Algorithms	3
CS601	Data Communication	3	CS504	Software Engineering - I	3
ENG201	Business and Technical English Writing	3	CS610	Computer Network	3
MTH202	Discrete Mathematics	3	CS614	Data Warehousing	3
STA301	Statistics and Probability	3	CS619	Final Project	3
<b>Semester No 2</b>			<b>Semester No 4</b>		
CS301	Data Structures	3	CS506	Web Design and Development	3
CS302	Digital Logic Design	3	CS604	Operating Systems	3
CS304	Object Oriented Programming	3	CS605	Software Engineering - II	3
CS401	Comp. Arch. & Assembly Language Prog.	3	CS607	Artificial Intelligence	3
CS403	Database Management Systems	3	CS609	System Programming	3
MTH603	Numerical Analysis	3	CS619	Final Project	3



## MASTER OF INFORMATION TECHNOLOGY (MIT)

The Department of Computer Science and Information Technology offers MIT with main objectives to provide broad technical understanding of latest and emerging technologies in the field of information technology. Due to rapid worldwide dependency on software application, the requirement for trained and experienced IT specialist is in great demand. The program offered provides a unique edge in the current complex marketplace.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	22	66
Project	1	6
<b>Total</b>	<b>23</b>	<b>72</b>

### AWARD OF DEGREE

To become eligible for the award of MIT degree, students are required to qualify prescribed courses amounting to at least 72 credit hours with a minimum CGPA of 2.00.

### PROJECT

Students are required to complete a project of 6 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor / supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.

### ADMISSION ELIGIBILITY CRITERIA

Bachelor degree from a recognized university/institute in any of the following subject: Mathematics, Physics, Computer Science, Commerce, Statistics, Economics, Business Administration or Engineering wherein two courses must be from the same department in a semester system or at least 150 marks weightage under annual system. Candidate must have at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidate holding PGD in Computer & Information Technology, PGD in Business Administration dually issued by the recognized Institute / University are eligible for admission towards MCS Program.
- Candidates who have not studied any one of the required above-mentioned subjects in their graduation are eligible for admission provided they first qualify "Deficiency Semester for MCS/MIT".
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester". Whereas those who have not studied above mentioned required subjects must qualify the "Deficiency Semester for MCS/ MIT" as well.
- Candidates holding 2-year Bachelor's Degree from VU will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS201	Introduction to Programming	3	CS502	Fundamentals of Algorithms	3
CS601	Data Communication	3	CS506	Web Design and Development	3
ENG201	Business and Technical English Writing	3	CS614	Data Warehousing	3
MGT101	Financial Accounting	3	CS615	Software Project Management	3
MGT301	Principles of Marketing	3	MGT602	Entrepreneurship	3
MGT503	Principles of Management	3	CS619	Final Project	3
<b>Semester No 2</b>			<b>Semester No 4</b>		
CS301	Data Structures	3	CS408	Human Computer Interaction	3
CS304	Object Oriented Programming	3	CS411	Visual Programming	3
CS401	Comp. Arch. & Assembly Language Prog.	3	CS604	Operating Systems	3
CS403	Database Management Systems	3	CS610	Computer Network	3
CS504	Software Engineering - I	3	MGT501	Human Resource Management	3
MGT502	Organizational Behaviour	3	CS619	Final Project	3



## BS COMPUTER SCIENCE

The Department of Computer Science and Information Technology offers a four year BS degree program in computer science. The program has been designed to meet the growing need for computer science experts in the rapidly evolving 21st century job market. Its mission is to provide graduates with a strong computer science base that will enable them to capitalize on the increasing career opportunities in the software industry and to expand the limits of their knowledge by pursuing further studies. The specialized degree provides highly demanded expertise, a great mobility, flexibility, and an impressive range of possible career choices.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	42	123
Elective	1	3
Internship/ Project	1	6
<b>Total</b>	<b>44</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH101	Calculus And Analytical Geometry	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS(CS) degree, candidates are required to complete prescribed number of credit hours with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
CS201	Introduction to Programming	3
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MTH202	Discrete Mathematics	3
MTH301	Calculus II	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
CS301	Data Structures	3	CS602	Computer Graphics	3
CS302	Digital Logic Design	3	CS604	Operating Systems	3
CS304	Object Oriented Programming	3	CS605	Software Engineering - II	3
CS601	Data Communication	3	CS606	Compiler Construction	3
PHY101	Physics	3	MGT501	Human Resource Management	3
PHY301	Circuit Theory	3	MTH501	Linear Algebra	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
CS401	Comp. Arch. & Assembly Language Prog.	3	CS408	Human Computer Interaction	3
CS403	Database Management Systems	3	CS411	Visual Programming	3
CS504	Software Engineering - I	3	CS506	Web Design and Development	3
CS610	Computer Network	3	CS508	Modern Programming Languages	3
MGT301	Principles of Marketing	3	MTH601	Operations Research	3
			CS619	Final Project - CS619	6
<b>Semester No 5</b>			<b>Semester No 8</b>		
CS402	Theory of Automata	3	CS607	Artificial Intelligence	3
CS501	Advance Computer Architecture	3	CS609	System Programming	3
CS502	Fundamentals of Algorithms	3	CS614	Data Warehousing	3
MCM301	Communication skills	3	MGT201	Financial Management	3
MTH401	Differential Equations	3	MTH603	Numerical Analysis	3
STA301	Statistics and Probability	3			

### PROJECT

Students are required to complete a project of 6 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor / supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.

## BS INFORMATION TECHNOLOGY

The Department of Computer Science and Information Technology offers a four year BS degree program in Information Technology. The program has been designed to meet the growing need for IT experts in the rapidly evolving 21st century job market. Its mission is to provide graduates with a strong IT base that will enable them to capitalize on the increasing career opportunities in the IT industry and to expand the limits of their knowledge by pursuing further studies. The specialized degree provides highly demanded expertise, a great mobility, flexibility, and an impressive range of possible career choices.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	42	123
Elective	1	3
Internship/ Project	1	6
<b>Total</b>	<b>44</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH101	Calculus And Analytical Geometry	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS(IT) degree, candidates are required to complete prescribed number of credit hours with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
CS201	Introduction to Programming	3
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MTH202	Discrete Mathematics	3
MTH301	Calculus II	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
CS301	Data Structures	3	CS602	Computer Graphics	3
CS302	Digital Logic Design	3	CS604	Operating Systems	3
CS304	Object Oriented Programming	3	CS605	Software Engineering - II	3
CS601	Data Communication	3	MGT501	Human Resource Management	3
PHY101	Physics	3	MGT502	Organizational Behaviour	3
PHY301	Circuit Theory	3	MTH501	Linear Algebra	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
CS401	Comp. Arch. & Assembly Language Prog.	3	CS408	Human Computer Interaction	3
CS403	Database Management Systems	3	CS411	Visual Programming	3
CS504	Software Engineering - I	3	CS506	Web Design and Development	3
CS610	Computer Network	3	CS508	Modern Programming Languages	3
MGT301	Principles of Marketing	3	MTH601	Operations Research	3
			CS619	Final Project - CS619	6
<b>Semester No 5</b>			<b>Semester No 8</b>		
CS402	Theory of Automata	3	CS507	Information Systems	3
CS501	Advance Computer Architecture	3	CS615	Software Project Management	3
CS502	Fundamentals of Algorithms	3	MGT201	Financial Management	3
MCM301	Communication skills	3	MGT503	Principles of Management	3
MTH401	Differential Equations	3	MGT602	Entrepreneurship	3
STA301	Statistics and Probability	3			

### PROJECT

Students are required to complete a project of 6 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor / supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.

## BS SOFTWARE ENGINEERING

The Departments of Computer Science & Information Technology offers 4-year BS in Software Engineering program to fulfill the needs of rapidly growing market of software development in the country. The BS in Software Engineering degree will equip students with technical knowledge of the fundamentals of computer systems, programming languages, and the mathematical foundations of algorithms and data structures that are required to establish reliability and safety in software. The program emphasizes the development of professional skills in the technical area of software engineering, that is, the systematic application of analysis, design, and construction techniques for computer systems and applications.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	42	123
Elective	1	3
Internship/ Project	1	6
<b>Total</b>	<b>44</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
CS201	Introduction to Programming	3
MTH101	Calculus And Analytical Geometry	3
ENG101	English Comprehension	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS(Software Engineering) degree, candidates are required to complete prescribed number of credit hours with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
CS304	Object Oriented Programming	3
MGT101	Financial Accounting	3
ENG201	Business and Technical English Writing	3
MTH202	Discrete Mathematics	3
MTH301	Calculus II	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
CS301	Data Structures	3	CS508	Modern Programming Languages	3
CS302	Digital Logic Design	3	CS608	Software Verification and Validation	3
MTH501	Linear Algebra	3	CS603	Software Architecture and Design	3
CS502	Fundamentals of Algorithms	3	MCM301	Communication Skills	3
CS601	Data Communication	3	MGT503	Principal of Management	3
PHY101	Physics	3	CS607	Artificial Intelligence	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
CS403	Database Management Systems	3	CS615	Software Project Management	3
CS504	Software Engineering - I	3	CS611	Software Quality Engineering	3
CS610	Computer Network	3	CS621	Professional Practices	3
CS604	Operating System	3	PSY101	Introduction to Psychology	3
ECO401	Economics	3	LAN---	Foreign Language	3
MTH603	Numerical Analysis	3	CS619	Final Project – I	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
CS509	Software Requirement and Specifications	3	CS402	Theory of Automata	3
STA301	Statistics and Probability	3	CS614	Data Warehousing	3
CS408	Human Computer Interaction	3	CS---	Aspect Oriented Software Design	3
CS605	Software Engineering - II	3	CS619	Final Project – II	3
CS506	Web Design and Development	3			
MTH601	Operations Research	3			
<b>PROJECT</b>					
Students are required to complete a project of 6 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor / supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.					

## B.Sc. COMPUTER SCIENCE

The B.Sc. Computer Science program is a regular 2-year degree program which has been designed to equip the students with requisite knowledge and skills which would help them take an early start of their professional career so that they can earn their living and support their families too.

**Note:** Candidates holding 2-year Bachelor's Degree will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program at a later stage in life.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	19	54
Elective Courses	2	6
<b>Total</b>	<b>21</b>	<b>60</b>

### AWARD OF DEGREE

To become eligible for the award of B.Sc. in Computer Science degree, students are required to qualify prescribed courses amounting to at least 60 credit hours with a minimum CGPA 2.00.

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

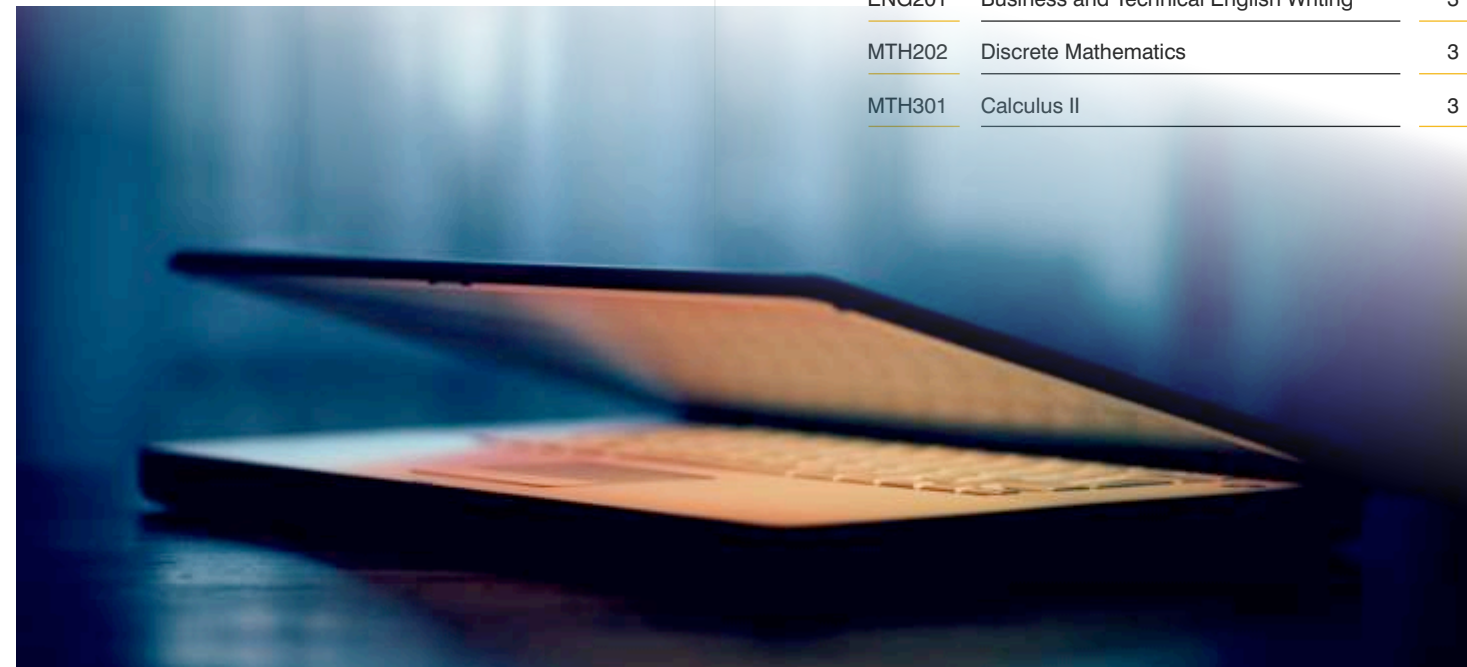
#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS101	Introduction to Computing	3	CS301	Data Structures	3
ENG101	English Comprehension	3	CS302	Digital Logic Design	3
MGT101	Financial Accounting	3	CS304	Object Oriented Programming	3
MTH101	Calculus And Analytical Geometry	3	CS601	Data Communication	3
PAK301	Pakistan Studies	2	MTH401	Differential Equations	
ETH201	Ethics (for Non-Muslims)		PHY101	Physics	
ISL201	Islamic Studies	1	PHY301	Circuit Theory	
<i>(Option to select one)</i>			STA301	Statistics and Probability	3
			<i>(Option to select one from above group)</i>		
<b>Semester No 2</b>			<b>Semester No 4</b>		
CS201	Introduction to Programming	3	CS401	Comp. Arch. and Assembly Language Prog.	3
ECO401	Economics	3	CS403	Database Management Systems	3
ENG201	Business and Technical English Writing	3	CS504	Software Engineering - I	3
MTH202	Discrete Mathematics	3	CS610	Computer Network	3
MTH301	Calculus II	3	MGT301	Principles of Marketing	
			MTH501	Linear Algebra	3
			<i>(Option to select one from above group)</i>		





## ASSOCIATE DEGREE PROGRAM IN COMPUTER NETWORKING

The program will provide knowledge and practice of networking technologies that are being used in today's market in order to equip the students with necessary skills to design, install and administer any organization's computer networks, including local-area networks (LAN), wide-area networks (WAN), as well as wireless networks. The program will enable the students:

- To be equipped with basic networking skills to meet market needs.
- To develop the necessary knowledge and skills to seek a career in the networking field.
- To analyze network performance and take corrective actions.
- To install, configure, secure, administer and troubleshoot network systems.
- To compete for various jobs including Assistant Network engineer, Assistant Network Administrator, Network Systems Support, Network Technician, or similar positions.

**Note:** The Associate Degree Program is equivalent to Bachelor degree (2-Year). The students after obtaining the degree, may take admission in 5th Semester of BS Computer Science (4 – Year) Program.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	22	63
Final Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Associate Degree in Computer Networking, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average (CGPA) of 2.00.

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**



## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS101	Introduction to Computing	3	CS205	Information Security	3
CS201	Introduction to Programming	3	CS314	Introduction to Cellular Networks	3
CS601	Data Communication	3	CS407	Routing and Switching	3
ENG101	English Comprehension	3	CS431	Wireless Communication	3
MTH202	Discrete Mathematics	3	CS435	Cloud Computing	3
PAK301	Pakistan Studies	2	CS604	Operating Systems	3
ETH201	Ethics (for Non-Muslims)		<b>Semester No 4</b>		
ISL201	Islamic Studies	1	CS204	Cyber Law	3
<i>(Option to select one)</i>			CS315	Network Security	3
<b>Semester No 2</b>			CS432	Network Modeling and Simulation	3
CS206	Introduction to Network Design & Analysis	3	CS519	Final Project	3
CS301	Data Structures	3	<b>PROJECT</b>		
CS610	Computer Network	3	Students are required to complete a project of 3 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor/ supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.		
ENG201	Business and Technical English Writing	3			
MTH101	Calculus And Analytical Geometry	3			
STA301	Statistics and Probability	3			



## ASSOCIATE DEGREE PROGRAM IN DATABASE MANAGEMENT SYSTEM

The Program is designed to help students to develop basic knowledge and skills required to pursue various positions in database administration, design and development. It provides a balance between theory and practice wherein students will learn how to develop, test, deploy and maintain databases in various organizations. The program will enable the students:

- To learn basic concepts like data and information processing.
- To understand the role of a database management system in an organization and learn basic and advanced database concepts, including the structure and operation of the relational data model and designs.
- To have technical and hands-on experience on database development, maintenance, administration and information security.
- To have hands-on experience of web based database development including front end development, design and database connectivity.
- To develop foundation and high level concepts of system development process including different modules and techniques.

**Note:** The Associate Degree Program is equivalent to Bachelor degree (2-Year). The students after obtaining the degree, may take admission in 5th Semester of BS Computer Science (4 – Year) Program.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	22	63
Final Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Associate Degree in Database Management System, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average (CGPA) of 2.00.

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS101	Introduction to Computing	3	CS405	Database Programming using Oracle 11i	3
CS201	Introduction to Programming	3	CS406	Web Based Database Applications	3
ENG101	English Comprehension	3	CS409	Introduction to Database Administration	3
MGT101	Financial Accounting	3	CS411	Visual Programming	3
MTH302	Business Mathematics & Statistics	3	CS504	Software Engineering - I	3
PAK301	Pakistan Studies	2	CS604	Operating Systems	3
ETH201	Ethics (for Non-Muslims)		<b>Semester No 4</b>		
ISL201	Islamic Studies	1	CS205	Information Security	3
<i>(Option to select one)</i>			CS430	E-commerce	3
<b>Semester No 2</b>			CS441	Big Data Concepts	3
CS301	Data Structures	3	CS519	Final Project	3
CS312	Database Modeling and Design	3	<b>PROJECT</b>		
CS403	Database Management Systems	3	Students are required to complete a project of 3 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor/ supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.		
CS506	Web Design and Development	3			
CS507	Information Systems	3			
ENG201	Business and Technical English Writing	3			



## ASSOCIATE DEGREE PROGRAM IN WEB DESIGN AND DEVELOPMENT

The program is designed to help students develop knowledge and skills required for entry-level positions in the field of web designing and development. The program provides a good balance between theory and practice, with greater emphasis on practical knowledge of web based development, programming techniques and problem-solving skills. The program will enable the students:

- To design, develop and maintain web applications.
- To practice the cyber laws in order to earn and maintain their integrity in market.
- To work on upcoming tools and trends in web development.
- To learn latest tools to deal with web based applications for smart devices.

**Note:** The Associate Degree Program is equivalent to Bachelor degree (2-Year). The students after obtaining the degree, may take admission in 5th Semester of BS Computer Science (4 – Year) Program.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	22	63
Final Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Associate Degree in Web Design and Development, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average (CGPA) of 2.00.

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
CS101	Introduction to Computing	3	CS310	Open Source Web Application Development	3
CS201	Introduction to Programming	3	CS311	Introduction to Web Services Development	3
CS202	Fundamentals of Front End Development	3	CS430	E-commerce	3
ENG101	English Comprehension	3	CS506	Web Design and Development	3
MTH202	Discrete Mathematics	3	CS507	Information Systems	3
PAK301	Pakistan Studies	2	CS604	Operating Systems	3
ETH201	Ethics (for Non-Muslims)		<b>Semester No 4</b>		
ISL201	Islamic Studies	1	CS204	Cyber Law	3
<i>(Option to select one)</i>			CS408	Human Computer Interaction	3
<b>Semester No 2</b>			CS420	Web Development for Portable Devices	3
CS301	Data Structures	3	CS504	Software Engineering - I	3
CS304	Object Oriented Programming	3	CS519	Final Project	3
CS403	Database Management Systems	3			
CS601	Data Communication	3			
ENG201	Business and Technical English Writing	3			

### PROJECT

Students are required to complete a project of 3 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor/ supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.

## POST GRADUATE DIPLOMA IN COMPUTER SCIENCE

Post Graduate Diploma in Computer Science has been designed for those who are willing to adopt Computer Science as an area for their higher education. It is designed to give students a complete walk through the field and to provide an enduring foundation for future professional growth. PGD in Computer Science prepares students with ability to undertake technical assignments in their organizations.

**Note:** Upon successful completion of PGD in Computer Science, the students are allowed to seek admission towards respective Master programs.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
CS101	Introduction to Computing	3	CS301	Data Structures	3
CS201	Introduction to Programming	3	CS302	Digital Logic Design	3
ENG101	English Comprehension	3	CS304	Object Oriented Programming	3
MTH101	Calculus and Analytical Geometry	3	CS403	Database Management Systems	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4.

**Note:**

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of Post Graduate Diploma in Computer Science, students are required to qualify prescribed courses amounting to at least 24 credit hours with a minimum CGPA of 2.00.

## POST GRADUATE DIPLOMA IN INFORMATION TECHNOLOGY

Post Graduate Diploma in Information Technology has been designed to equip students with an integrated set of skills that will allow them to develop their professional careers in the field of Information Technology. The diploma holder are expected to undertake entry level technical position in all the field of industry.

**Note:** Upon successful completion of PGD in Computer Science, the students are allowed to seek admission towards respective Master programs.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
CS101	Introduction to Computing	3	CS403	Database Management Systems	3
CS201	Introduction to Programming	3	CS504	Software Engineering - I	3
ENG101	English Comprehension	3	CS601	Data Communication	3
MGT211	Introduction To Business	3	IT430	E-Commerce	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4.

**Note:**

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of Post Graduate Diploma in IT, students are required to qualify prescribed courses amounting to at least 24 credit hours with a minimum CGPA of 2.00.

## DEFICIENCY SEMESTER(S) FOR ADMISSION TOWARDS MS(CS)

The deficiency semester(s) for Master of Science in Computer Science (MSCS) program has been introduced to facilitate the candidates having 16-year Science/Engineering education background in order to overcome deficiency in the required subjects/courses of computer science filed.

**Note:** Upon successful completion of Deficiency Semester(s), students will be eligible to apply for admission towards MSCS program.

### ASSESSMENT OF STUDY PROGRESS:

The evaluation of students' study progress for deficiency courses is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards, mid-term and final-term examinations. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

### COURSE EXEMPTION

The number of courses required to be studied by a candidate are determined by admission committee on case to case basis. Already qualified courses are exempted from the scheme of studies given below. In such cases, the students can complete their remaining courses in minimum 18 weeks/ one semester.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
CS201	Introduction to Programming	3	CS502	Fundamentals of Algorithms	3
CS301	Data Structures	3	CS504	Software Engineering - I	3
CS401	Comp. Arch. & Assembly Language Prog.	3	CS604	Operating Systems	3
CS402	Theory of Automata	3	CS610	Computer Network	3
CS403	Database Management Systems	3	MTH202	Discrete Mathematics	3

### ADMISSION ELIGIBILITY CRITERIA

Candidates having 16-year Science/Engineering education [BE, BS, M.Sc., and other relevant equivalent qualifications from a recognized university/institution] with at least Cumulative Grade Point Average (CGPA) 2.50 out of 4/ 1st division, wherein GPA system is not implemented, are eligible to apply.

**DURATION: 1 year / 2 Semesters**

### COMPLETION REQUIREMENTS

To qualify Deficiency Semester(s), students are required to complete program's course work with minimum CGPA of 2.00.

## DEFICIENCY SEMESTER FOR ADMISSION TOWARDS MCS/MIT

The University encourages the candidates who intend to pursue their career in the field of Computer Science or Information Technology but have not studied required prescribed subject in their Bachelor/equivalent degree. The details are available under MCS and MIT programs.

**Note:** Upon successful completion of Deficiency Semester, students will be eligible to apply for admission towards MCS/MIT program.

### ASSESSMENT OF STUDY PROGRESS:

The evaluation of students' study progress for deficiency courses is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards, mid-term and final-term examinations. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MTH101	Calculus And Analytical Geometry	3
MTH302	Business Mathematics & Statistics	3

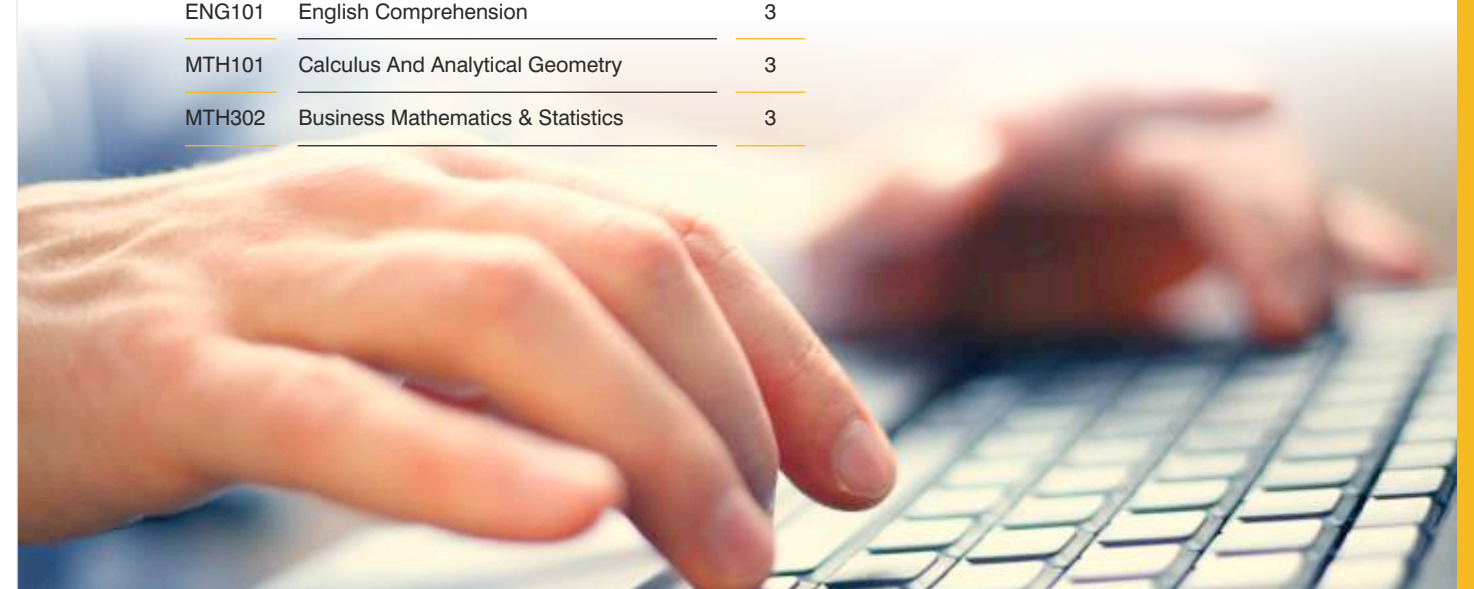
### ADMISSION ELIGIBILITY CRITERIA

Candidates who have at least 45 % marks in their graduation or CGPA 2.00 out of 4 but have not studied any one of the required subjects during the Bachelor/equivalent Degree i.e. Mathematics, Physics, Computer Science, Statistics, Economics or Engineering.

**DURATION: 18 Weeks / 1 Semester**

### COMPLETION REQUIREMENTS

To qualify Deficiency Semester, students are required to qualify each course with at least 50% marks.





## Faculty of Education

### Department of Education

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#### NOTE

The Virtual University of Pakistan may add new course(s)/ subject(s) or replace existing ones at any time as a result of continuous review of scheme of studies of the programs in order to bring them at par with the courses being taught at top notch foreign universities. While reviewing the courses, needs of local industry and job markets are also given full consideration.

## M.PHIL IN EDUCATION [EDUCATIONAL LEADERSHIP & MANAGEMENT]

M. Phil in Education [Educational Leadership & Management] is specially geared for teachers who are either teaching or serving as administrators at all levels in private and public sector institutions but have interest in research and would like to advance their educational career. The program aims at preparing education leaders for the educational institutions in public and private sector who will be fully equipped with modern teaching-learning process. This research oriented program will enable its students to conduct research and develop new techniques/padagogies of the teaching-learning process.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism will be based on continuous assessment throughout the semester by giving assignments, on-line quizzes; graded discussion boards (GDBs), presentations, mid-term and final term examinations. However, thesis evaluation will be done as per HEC prescribed criteria.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
EDU702	Advanced Educational Leadership	3
MGMT623	Leadership & Team Management	3
MGMT625	Change Management	3
STA630	Research Methods	3
<b>Semester No 2</b>		
STAT730	Advanced Research Methods	3
EDU---	Educational Governance: Policy & Practice	3
EDU---	Financial Management in Education	3

### ADMISSION ELIGIBILITY CRITERIA

BS Education/ MA Education / M.Ed. or relevant degree (equivalent to 16-year of education) with at least CGPA 2.50 out of 4 or 1st division.

Candidates are required to pass the VU Entry Test with at least 50% marks.

**DURATION: 2 years / 4 Semesters**

### THESIS

The students are required to conduct Research and present a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the teacher.

### AWARD OF DEGREE:

To be eligible for the award of M. Phil in Education [ELM] degree, the student is required to complete at least 30 credit hours with Minimum CGPA of 2.50.

Code	Title	Cr. Hrs.
<b>Semester No 3</b>		
EDU---	Writing for Research	2
EDU---	Research Seminar	1
EDU720	Thesis	3
<b>Semester No 4</b>		
EDU720	Thesis	3

## BACHELOR OF EDUCATION (HONS.) ELEMENTARY

Education is a growing sector which requires dealing and educating students with different learning capabilities, and offers an exciting career with its own challenges and rewards. Elementary education is the first phase of education usually preceded by nursery or primary school education. The Department of Education offers Bachelor's Degree in Education (elementary) 4-Year program to equip its students with basic teaching tools and in-depth knowledge about tomorrow's educational challenges. The Virtual University aims at developing dynamic and skilled elementary school teachers fluent in the use of the latest technologies and well-versed with the latest advancements in the techniques, knowledge and methods of teaching.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	42	123
Teaching Practice	2	3
Project	1	6
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS001	Computer Proficiency Licence	3
ENG101	English Comprehension	3
PSY101	Introduction to Psychology	3
PAK301	Pakistan Studies	2
URD101	Urdu	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of B.Ed. (Hons) Elementary degree, the students are required to complete at least 132 credit hours with minimum GGPA of 2.00 & Teaching Practice.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	English-II (Communication Skills)	3
CS101	Introduction to Computers	3
EDU305	Classroom Management	3
MTH100	General Mathematics	3
EDU101	Foundations of Education	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
MCM301	Communication Skills	3	EDU513	Teaching of History	3
EDU403	Art, Crafts and Calligraphy	3	CEDU511	Teaching of Mathematics 2	3
EDU301	General Methods of Teaching	3	EDU515	Teaching of Geography	3
EDU401	Contemporary Issues and Trends in Education	3	EDU---	Comparative Education	3
EDU402	Curriculum Development	3	EDU516	Teaching of English	3
EDU405	Classroom Assessment	3	EDU---	Introduction to Guidance and Counseling	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
EDU430	ICT in Education	3	EDU602	Education Leadership and Management	3
EDU410	Teaching of Literacy Skills	3	EDU---	Seminar in Education	2
EDU406	Critical Thinking & Reflective Practice in Edu.	3	EDU654	Pedagogy & Technology (Problems)	3
EDU501	School, Community and Teacher	3	EDU519	Teaching Practice - I	1
EDU411	Teaching of Urdu	3	EDU601	Philosophy of Education	3
			EDU603	Advance Academic Reading and Writing	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
EDU502	Education Development in Pakistan	3	MGT201	Financial Management in Education	3
EDU510	Teaching of Mathematics 1	3	MGMT625	Change Management	3
EDU302	Test Development and Evaluation	3	EDU519	Teaching Practice - II	3
GSC201	Teaching of General Science	3	STA630	Research Methods in Education	3
EDU503	Early Childhood Education	3	EDU619	Project	6
EDU512	Teaching of Islamic Studies	3			

### PROJECT

Students are required to complete a project of 3 credit hours in the final year of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor / supervisor is compulsory. Students have to submit a detailed write-up of the project and may be required to give a presentation.

## ASSOCIATE DEGREE PROGRAM IN EDUCATION

The Associate Degree Program in Education (ADE) has been designed to help in-service teachers at elementary grades in public and private sector schools by providing them an opportunity to enhance their academic qualification and polish their teaching skills by learning latest techniques used for classroom management, assessment and evaluation. The program is equally good for perspective teachers to make their teaching a good learning experience for the students.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), presentations (wherein applicable), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	19	57
Elective Courses	2	6
Internship / Project	1	3
<b>Total</b>	<b>22</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
EDU201	Learning Theories	3
EDU303	Child Development	3
ENG101	English Comprehension	3
GSC101	General Science	3
URD101	Urdu	3
ETH201	Ethics (for Non-Muslims) (Elective)	
ISL201	Islamic Studies (Elective)	1
<i>(Option to select one)</i>		
<i>Note: Courses of semester no. 3 and 4 will be announced later</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

**Note:**

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To be eligible for the award of Associate Degree in Education, the students are required to complete at least 66 credit hours with (CGPA) of at least 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
EDU301	General Methods of Teaching	3
EDU305	Classroom Management	3
ENG201	Business and Technical English Writing	3
MTH100	General Mathematics	3
PAK302	Pakistan Studies	2

## POST GRADUATE DIPLOMA IN EDUCATION

Post Graduate Diploma in Education has been designed with a core purpose of training and developing teachers who either intend to join or already serving mainly the schools in private sector. The teachers already serving at schools in public/government sector can also be join the program to polish their skills further. The program overall aims to equip its students with modern teaching techniques, classroom management & latest assessment techniques with an option to select an area of specialization from 'General Science', 'Urdu', 'Mathematics' and 'English'. The students after successful completion can also join B.Ed. one year program.

### ASSESSMENT OF STUDY PROGRESS:

The students' study progress evaluation mechanism is based on continuous assessment throughout semester by giving assignments, on-line quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	6	18
Specialization Courses	2	6
<b>Total</b>	<b>8</b>	<b>24</b>

### Fields of Specialization

Teaching of General Sc.	2 / 2	6
Teaching of Urdu	2 / 2	6
Teaching of Mathematics	2 / 2	6
Teaching of English	2 / 2	6

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
ENG201	Business & Technical English Writing	3	EDU405	Classroom Assessment	3
EDU101	Foundations of Educations	3	EDU403	IT for Education	3
EDU201	Learning Theories	3	XYZ---	Elective - I of Selected Specialization	3
EDU301	General Methods of Teaching	3	XYZ---	Elective - II of Selected Specialization	3

*Note: List of Elective Courses in each Specialization is available on University's website.*

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/ institute in any discipline with at least 45% marks or CGPA 2.00 out of 4.

**Note:**

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of Post Graduate Diploma in Education, students are required to qualify prescribed courses amounting to at least 24 credit hours with a minimum CGPA of 2.00.





## Faculty of Management

### Department of Management Sciences

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#### NOTE

The Virtual University of Pakistan may add new course(s)/ subject(s) or replace existing ones at any time as a result of continuous review of scheme of studies of the programs in order to bring them at par with the courses being taught at top notch foreign universities. While reviewing the courses, needs of local industry and job markets are also given full consideration.

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## MS IN BUSINESS ADMINISTRATION [THESIS TRACK]

The MSBA (2-year / 4-semesters) program has been designed for candidates who intend to pursue their professional career as teaching faculty member in an educational institution or serve the industry at senior management position. The program provides opportunities to learn special business techniques required to excel in the challenging and rapidly changing world.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	4	12
Elective Courses	4	12
Research Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>
Specialization Courses		
Banking	4 / 4	12
Finance	4 / 4	12
HRM	4 / 4	12
Management	4 / 4	12
Marketing	4 / 4	12

### AREAS OF SPECIALIZATION

The students will have to select any one of the following specializations:

- Banking
- Finance
- Human Resource Management
- Management
- Marketing

### ADMISSION ELIGIBILITY CRITERIA

Candidates having 16-year education [BS in Business Administration, BS in Commerce, BBA (Accounting & Finance), BBA (Banking & Finance), BS (Accounting & Finance), BS (Banking & Finance), BBA(IT/MIS), BS (Management), BS (Marketing), MBA (Accounting & Finance), MBA (Banking & Finance), MBA (IT/MIS), Old MBA, MBS, M.Com, ACMA, ACA, and VU graduates holding BS (Public Administration), Master of Accounting, Master of Finance, Master of Accounting & Finance, Master of Banking & Finance and MBA-Executive (72-Cr. Hrs.)] degrees and other relevant equivalent qualification with at least Cumulative Grade Point Average (CGPA) 2.50 out of 4 / 1st division, wherein GPA system is not implemented, are eligible to apply. However, the candidates will also be required to qualify VU Entry Test (with minimum 50% marks).

#### Note:

- Candidate holding MPA, BBA(ITM), BBIT, MBA(ITM) etc. may be considered for admission through Deficiency Semesters, as prescribed by the University. However, candidates having studied common deficiency course(s) will be considered for course exemptions on case to case basis. In case of other relevant qualification, candidates may be required to provide equivalence letter/certificate from Higher Education Commission.
- Candidates having less than 1st division or CGPA below 2.50 out of 4 will be eligible for admission after successful completion of "Zero Semester".
- The candidates with 16-year non-business education [BE, MBBS, MA, M.Sc., and other equivalent qualifications from a recognized university/institution] will be required to qualify at least 36-credit hours of Deficiency Semesters business courses before they become eligible for admission towards MS in Business Administration program.

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
FIN722	Corporate Finance	3	BNK704	Management of Financial Institutions	3
MGT703	Strategic Management	3	BNK725	Credit & Risk Management	3
STAT730	Advanced Research Methods	3	<i>(Banking Specialization Courses)</i>		
<b>Semester No 2</b>			FIN704	Managerial Accounting	3
BNK701	Banking Laws & Practices	3	FIN725	Credit & Risk Management	3
BNK703	Consumer Banking	3	<i>(Finance Specialization Courses)</i>		
<i>(Banking Specialization Courses)</i>			HRM713	Performance Management	3
FIN723	Taxation Management	3	MGT711	Business & Labor Law	3
FIN730	Investment Analysis & Portfolio Management	3	<i>(HRM Specialization Courses)</i>		
<i>(Finance Specialization Courses)</i>			MGMT730	Knowledge Management	3
HRM724	Conflict Management	3	MGMT729	Crisis Management	3
HRM727	Human Resource Development	3	<i>(Management Specialization Courses)</i>		
<i>(HRM Specialization Courses)</i>			MKT724	Brand Management	3
MGMT725	Change Management	3	MKT731	Consumer Behaviour	3
MGMT728	Organizational Development	3	<i>(Marketing Specialization Courses)</i>		
<i>(Management Specialization Courses)</i>			<b>Semester No 4</b>		
MKT725	Services Marketing	3	RTS720	Research Thesis	6
MKT730	International Marketing	3	<b>AWARD OF DEGREE</b>		
<i>(Marketing Specialization Courses)</i>			To become eligible for the award of MS in Business Administration degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hours Thesis/Research with minimum CGPA of 2.50.		
MKT703	Strategic Marketing Management	3	<b>RESEARCH THESIS</b>		

### RESEARCH THESIS

In order to enroll for research thesis for MSBA degree, students must have achieved at least CGPA 3.25 out of 4 upon completion of prescribed course work.

## MBA (EQUIVALENT TO MS) [COURSE WORK TRACK]

MBA (2-year/ 4-semesters) program is equivalent to MS in Business Administration which has been designed for candidates who intend to enhance their education to serve the industry at senior management positions. The program provides opportunities to learn special business techniques required to excel in the challenging and rapidly changing world.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	6	18
Elective Courses	4	12
<b>Total</b>	<b>10</b>	<b>30</b>
Specialization Courses		
Banking	4 / 4	12
Finance	4 / 4	12
HRM	4 / 4	12
Management	4 / 4	12
Marketing	4 / 4	12

### AREAS OF SPECIALIZATION

The students will have to select any one of the following specializations:

- Banking
- Finance
- Human Resource Management
- Management
- Marketing

### ADMISSION ELIGIBILITY CRITERIA

Candidates having 16-year education [BS in Business Administration, BS in Commerce, BBA (Accounting & Finance), BBA (Banking & Finance), BS (Accounting & Finance), BS (Banking & Finance), BBA(IT/MIS), BS (Management), BS (Marketing), MBA (Accounting & Finance), MBA (Banking & Finance), MBA (IT/MIS), Old MBA, MBS, M.Com, ACMA, ACA, and VU graduates holding BS (Public Administration), Master of Accounting, Master of Finance, Master of Accounting & Finance, Master of Banking & Finance and MBA-Executive (72-Cr. Hrs.)] degrees and other relevant equivalent qualification with at least Cumulative Grade Point Average (CGPA) 2.50 out of 4 / 1st division, wherein GPA system is not implemented, are eligible to apply. However, the candidates will also be required to qualify VU Entry Test (with minimum 50% marks).

#### Note:

- Candidate holding MPA, BBA(ITM), BBIT, MBA(ITM) etc. may be considered for admission through Deficiency Semesters, as prescribed by the University. However, candidates having studied common deficiency course(s) will be considered for course exemptions on case to case basis. In case of other relevant qualification, candidates may be required to provide equivalence letter/certificate from Higher Education Commission.
- Candidates having less than 1st division or CGPA below 2.50 out of 4 will be eligible for admission after successful completion of "Zero Semester".
- The candidates with 16-year non-business education [BE, MBBS, MA, M.Sc., and other equivalent qualifications from a recognized university/institution] will be required to qualify at least 36-credit hours of Deficiency Semesters business courses before they become eligible for admission towards MS in Business Administration program.

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
FIN722	Corporate Finance	3	BNK704	Management of Financial Institutions	3
MGT703	Strategic Management	3	BNK725	Credit & Risk Management	3
STAT730	Advanced Research Methods	3	<i>(Banking Specialization Courses)</i>		
<b>Semester No 2</b>			FIN704	Managerial Accounting	3
BNK701	Banking Laws & Practices	3	FIN725	Credit & Risk Management	3
BNK703	Consumer Banking	3	<i>(Finance Specialization Courses)</i>		
<i>(Banking Specialization Courses)</i>			HRM713	Performance Management	3
FIN723	Taxation Management	3	MGT711	Business & Labor Law	3
FIN730	Investment Analysis & Portfolio Management	3	<i>(HRM Specialization Courses)</i>		
<i>(Finance Specialization Courses)</i>			MGMT730	Knowledge Management	3
HRM724	Conflict Management	3	MGMT729	Crisis Management	3
HRM727	Human Resource Development	3	<i>(Management Specialization Courses)</i>		
<i>(HRM Specialization Courses)</i>			MKT724	Brand Management	3
MGMT725	Change Management	3	MKT731	Consumer Behaviour	3
MGMT728	Organizational Development	3	<i>(Marketing Specialization Courses)</i>		
<i>(Management Specialization Courses)</i>			<b>Semester No 4</b>		
MKT725	Services Marketing	3	MGMT727	Project Management	3
MKT730	International Marketing	3	MGMT730	Knowledge Management	3
<i>(Marketing Specialization Courses)</i>			<b>AWARD OF DEGREE</b>		
MKT703	Strategic Marketing Management	3	To become eligible for the award of Master of Business Administration degree, a student is required to complete at least 30-credit hour prescribed course work with minimum CGPA of 2.50.		

## MASTER OF ACCOUNTING

There is a growing demand for highly trained accountants who can guide their organizations through unpredictable economic environment that exists globally today. The Master of Accounting program offers students high-quality and rigorous instructions focused on thorough understanding of accounting functions in the workplace. It offers an opportunity to pursue specialized and in depth knowledge of the accounting discipline. The program prepares graduates to enter or further enhance their career as a professional accountant in financial institutions, industry, NGOs, private and public sector.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	66
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Accounting degree, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
Semester No 1		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG301	Business Communication	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree (14-year education) in [B.Com, BBA (2-year) and other relevant equivalent qualification] with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD in Accounting/ Finance/ Accounting & Finance/ Banking & Finance/ Business Administration/Public Administration/Marketing Management/ Entrepreneurship & SME Management or Human Resource Management) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

**DURATION: 2 years / 4 Semesters**

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 2			Semester No 4		
ACC501	Business Finance	3	FIN611	Advanced Financial Accounting	3
IT430	E-Commerce	3	MGT404	Managerial Accounting	3
MGT401	Financial Accounting II	3	MGT411	Money & Banking	3
MGT402	Cost & Management Accounting	3	MGT601	SME Management	3
MTH302	Business Mathematics & Statistics	3	MGT705	Advanced Cost and Management Accounting	3
Semester No 3			STA630	Research Methods	3
ACC311	Fundamentals of Auditing	3			
CS507	Information Systems	3			
FIN621	Financial Statement Analysis	3			
FIN623	Taxation Management	3			
MGT602	Entrepreneurship	3			
MGT611	Business & Labor Law	3			

## MASTER OF ACCOUNTING & FINANCE

The program is designed to provide a unique blend of two disciplines and practices. It will enable the students to build the knowledge and learn those analytical skills that are needed to design and implement the management system that is used to plan and control a firm's performance. Students completing the program will be well-prepared to pursue careers in financial management or accounting. This program will also help the candidates who are already serving organizations / institutions at different levels and intend to enhance their knowledge and career.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	66
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Accounting and Finance degree, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG301	Business Communication	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree (14-year education) in [B.Com, BBA (2-year) and other relevant equivalent qualification] with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD in Accounting/ Finance/ Accounting & Finance/ Banking & Finance/ Business Admin./ Public Administration/ Marketing Management/ Entrepreneurship & SME Management or Human Resource Management) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

**DURATION: 2 years / 4 Semesters**

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
IT430	E-Commerce	3
MGT201	Financial Management	3
MGT401	Financial Accounting II	3
MGT402	Cost & Management Accounting	3
MTH302	Business Mathematics & Statistics	3

#### Semester No 3

CS507	Information Systems	3
FIN611	Advanced Financial Accounting	3
FIN621	Financial Statement Analysis	3
FIN623	Taxation Management	3
MGT602	Entrepreneurship	3
MGT611	Business & Labor Law	3

#### Semester No 4

ACC311	Fundamentals of Auditing	3
FIN622	Corporate Finance	3
FIN624	Islamic Mode of Financing	3
FIN630	Investment Analysis & Portfolio Management	3
MGT601	SME Management	3
MGT705	Advanced Cost and Management Accounting	3

**I Chose  
VU  
to GIVE BOOST  
TO MY CAREER**



“Learning is a never ending phenomenon. Though is my career is stable, I want to get out of my comfort zone to seek more. Virtual University's online learning facility and evolving curriculum is an upside for anyone like me who would want to acquire international-standard education. I see myself making smart career moves.”

**Ijaz Ahmad**

Regional Chief,  
Bank of Punjab

## MASTER OF BANKING & FINANCE

This program is designed to produce highly skilled, analytical and forward-thinking graduates who are ready to slot into a specialized role in the rapidly growing banking industry, finance and financial consultancy sectors. The program will also be suitable for existing employees of these organizations to provide in depth understanding of the financial markets and their institutions as well as a clear comprehension of the financial instruments at their disposal.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	66
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Banking and Finance degree, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG301	Business Communication	3
MGT101	Financial Accounting	3
MGT301	Principles of Marketing	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree (14-year education) in [B.Com, BBA (2-year) and other relevant equivalent qualification] with at least 45% marks or CGPA of at least 2.00 out of 4.

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

**DURATION: 2 years / 4 Semesters**

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ACC501	Business Finance	3
IT430	E-Commerce	3
MGT404	Managerial Accounting	3
MGT411	Money & Banking	3
MTH302	Business Mathematics & Statistics	3

#### Semester No 3

BNK601	Banking Laws & Practices	3
CS507	Information Systems	3
FIN621	Financial Statement Analysis	3
FIN622	Corporate Finance	3
FIN623	Taxation Management	3
MGT604	Management of Financial Institutions	3

#### Semester No 4

BNK603	Consumer Banking	3
FIN624	Islamic Mode of Financing	3
FIN625	Credit & Risk Management	3
FIN630	Investment Analysis & Portfolio Management	3
MGT601	SME Management	3
MKT610	Customer Relationship Management	3

**I Chose VU  
for an  
Experience WORTH  
CHERISHING**



“VU has helped me realize my true potential. Today I have a highly rewarding career as a leading professional and this would not have been possible without VU's investment in my future. No other institution helps you acquire advanced knowledge with flexible timings.”

**Muhammad Naeem**

Director General,  
Frequency Allocation Board,  
Government of Pakistan

## MASTER OF BUSINESS ADMINISTRATION (MBA-EXECUTIVE)

The MBA (Executive) program is designed for candidates having 14-year of education with 4-year job experience at managerial cadre who want to adopt business as career and like to enhance their professional business skills. The program provides opportunities to learn special business techniques required to excel in the challenging and rapidly changing world.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	19	57
Elective Courses	4	12
Internship/ Project	1	3
<b>Total</b>	<b>24</b>	<b>72</b>
Specialization Courses		
Banking	4 / 4	12
Finance	4 / 4	12
HRM	4 / 4	12
IT	4 / 4	12
Management	4 / 4	12
Marketing	4 / 4	12

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
ACC501	Business Finance	3	ENG301	Business Communication	3
CS101	Introduction to Computing	3	MGT201	Financial Management	3
MGT101	Financial Accounting	3	MGT301	Principles of Marketing	3
MGT211	Introduction To Business	3	MGT402	Cost & Management Accounting	3
MGT503	Principles of Management	3	MGT502	Organizational Behaviour	3
MTH302	Business Mathematics & Statistics	3	STA630	Research Methods	3

### ADMISSION ELIGIBILITY CRITERIA

Candidate must have minimum 14-year education with 4-year experience / 16-year education with 2-year experience with followings:

- At least 2nd division (minimum 45 % marks).
- Experience must be at managerial position in a public or private sector organization.

#### Note:

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

### DURATION: 2 years / 4 Semesters

### AWARD OF DEGREE

To become eligible for the award of MBA (Executive) degree, a student is required to complete prescribed course work with minimum CGPA of 2.00.

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
BNK601	Banking Laws & Practices	3	FIN625	Credit & Risk Management	3
BNK603	Consumer Banking	3	MGT604	Management of Financial Institutions	3
<i>(Banking Specialization Courses)</i>			<i>(Banking Specialization Courses)</i>		
CS201	Introduction to Programming	3	CS610	Computer Network	3
CS403	Database Management Systems	3	CS615	Software Project Management	3
<i>(Information Technology Specialization Courses)</i>			<i>(Information Technology Specialization Courses)</i>		
FIN621	Financial Statement Analysis	3	FIN623	Taxation Management	3
FIN622	Corporate Finance	3	FIN630	Investment Analysis & Portfolio Management	3
<i>(Finance Specialization Courses)</i>			<i>(Finance Specialization Courses)</i>		
HRM624	Conflict Management	3	HRM627	Human Resource Development	3
MGMT611	Human Relations	3	MGMT628	Organizational Development	3
<i>(HRM Specialization Courses)</i>			<i>(HRM Specialization Courses)</i>		
MGMT623	Leadership & Team Management	3	MGMT625	Change Management	3
MGT510	Total Quality Management	3	MGMT630	Knowledge Management	3
<i>(Management Specialization Courses)</i>			<i>(Management Specialization Courses)</i>		
MKT610	Customer Relationship Management	3	MKT624	Brand Management	3
MKT621	Advertising & Promotion	3	MKT630	International Marketing	3
<i>(Marketing Specialization Courses)</i>			<i>(Marketing Specialization Courses)</i>		
CS507	Information Systems	3	ECO404	Managerial Economics	3
ECO401	Economics	3	MGT602	Entrepreneurship	3
MGT501	Human Resource Management	3	MGT603	Strategic Management	3
MKT501	Marketing Management	3	XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of their MBA (Executive) program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## MASTER OF BUSINESS ECONOMICS (MB Econ)

The Master of Business Economics provides broad understanding of latest and emerging trends in the field of business and economics. It emphasises on the studies of impact on private and public sector organizations due to Government policies and continuously changing global business environment. The program equips the students to face these challenges and prove themselves as future business managers or policy consultants due to their great analytical and problem solving skills.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussions Boards (GDBs), mid-term and final-term exams. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	23	69
Internship/ Project	1	3
<b>Total</b>	<b>24</b>	<b>72</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Business Economics degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO402	Microeconomics	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3
MGT503	Principles of Management	3
MTH302	Business Mathematics & Statistics	3

### ADMISSION ELIGIBILITY CRITERIA

At least 45% marks or CGPA of 2.00 out of 4 in B.Com, BBA (2- years) or B.Sc. (Math, Stat & Economics courses) from a recognized

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD in Accounting/ Finance/ Accounting & Finance/ Banking & Finance/ Business Administration/ Public Administration/ Marketing Management/ Entrepreneurship & SME Management or Human Resource Management) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

### DURATION: 2 years / 4 Semesters

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of their MB Econ program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
CS507	Information Systems	3
ECO403	Macroeconomics	3
MGT201	Financial Management	3
MGT301	Principles of Marketing	3
MGT411	Money & Banking	3
MGT501	Human Resource Management	3

#### Semester No 3

ECO404	Managerial Economics	3
FIN622	Corporate Finance	3
FIN630	Investment Analysis & Portfolio Management	3
MGMT629	Crisis Management	3
MGT404	Managerial Accounting	3
STA630	Research Methods	3

#### Semester No 4

ECO406	Mathematical Economics	3
ECO501	Development Economics	3
ECO601	Business Econometrics	3
ECO602	Forecasting & Budgeting	3
ECO603	International Economics	3
ECO619	Final Project - Economics	3
ECOI619	Internship Report - Economics	3

(Option to select one)

**I Chose  
VU  
for a Guaranteed  
BRIGHT FUTURE**



“Studying at Virtual University of Pakistan has been an incredible experience, one that I will value for life. At VU I was able to earn a degree while simultaneously pursuing a career in my field. This has given a great boost to my future success.”

**Muhammad Khalid**

Deputy Secretary,  
Economic Affairs to US,  
Financial Adviser



## MASTER OF BUSINESS STUDIES (MBS)

The MBS program offered by the Department of Management Sciences is in-line with the roadmap for business studies approved by National Business Education Accreditation Council (NBEAC) and curriculum revised by Higher Education Commission of Pakistan. After successful completion of the program, candidates can become eligible for taking admission to MBA (Eq. to MS)/ MSBA program. The program bridges the gap for the candidates who have not taken business courses during their 2-year Bachelor's degree (14-year education) or equivalent degree from a recognized university/ institution and now intend to pursue education in the area of business studies. The program is equivalent to BBS and old MBA (16-year education).

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	24	72
<b>Total</b>	<b>24</b>	<b>72</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO402	Microeconomics	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3

### ADMISSION ELIGIBILITY CRITERIA

At least 45% marks or CGPA 2.00 out of 4 in Bachelor (2- year) from a recognized university/ institute.

#### Note:

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of Master of Business Studies (MBS) degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ACC501	Business Finance	3
ECO403	Macroeconomics	3
ENG301	Business Communication	3
MGT501	Human Resource Management	3
MKT501	Marketing Management	3
MTH302	Business Mathematics & Statistics	3

### Semester No 3

CS507	Information Systems	3
MGT401	Financial Accounting II	3
MGT402	Cost & Management Accounting	3
MGT502	Organizational Behaviour	3
MGT611	Business & Labor Law	3
STA630	Research Methods	3

### Semester No 4

ECO404	Managerial Economics	3
MGT201	Financial Management	3
MGT504	Organization Theory & Design	3
MGT602	Entrepreneurship	3
MGT610	Business Ethics	3
MKT530	Consumer Behaviour	3

**I Chose VU  
to Open Doors  
for the WORLD of  
OPPORTUNITIES**



“Time and money, these two things are quite valuable in today's fast-paced world. I could benefit from VU's affordable fee structure sitting at home – a win-win for any working professional aspiring to further his degree with time constraint. I attribute my professional success to VU.”

**Sultan Muhammad**

Head of Branch Operations,  
U-Fone Banking,  
Head Office

## MASTER OF COMMERCE (M.Com)

The Master of Commerce (M.Com) degree program concentrates on commerce, management and economics related subjects. The program covers core competencies in accounting, finance, information system and e-commerce. This innovative program is designed for candidates who intend to pursue their career in the fields of accounts / finance and are either at the beginning or mid of their professional career.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	19	57
Elective Courses	4	12
Internship/ Project	1	3
<b>Total</b>	<b>24</b>	<b>72</b>
Specialization Courses		
Accounting	4 / 4	12
Banking	4 / 4	12
Finance	4 / 4	12
HRM	4 / 4	12
Management	4 / 4	12
Marketing	4 / 4	12

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
ENG301	Business Communication	3	CS507	Information Systems	3
MGT201	Financial Management	3	MGT101	Financial Accounting	3
MGT301	Principles of Marketing	3	MGT402	Cost & Management Accounting	3
MGT601	SME Management	3	MGT503	Principles of Management	3
SOC101	Introduction to Sociology	3	MGT602	Entrepreneurship	3
STA301	Statistics and Probability	3	MGT610	Business Ethics	3

### ADMISSION ELIGIBILITY CRITERIA

At least 45% marks or CGPA of 2.00 out of 4 in B.Com, BBA (2- year) from a recognized University/Institute.

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

### DURATION: 2 years / 4 Semesters

### AWARD OF DEGREE

To become eligible for the award of M.Com degree, a student is required to complete prescribed course work with minimum CGPA of 2.00.

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
MGT404	Managerial Accounting	3	FIN611	Advanced Financial Accounting	3
MGT611	Business & Labor Law	3	FIN623	Taxation Management	3
<i>(Accounting Specialization Courses)</i>			<i>(Accounting Specialization Courses)</i>		
BNK601	Banking Laws & Practices	3	BNK603	Consumer Banking	3
MGT411	Money & Banking	3	FIN624	Islamic Mode of Financing	3
<i>(Banking Specialization Courses)</i>			<i>(Banking Specialization Courses)</i>		
FIN621	Financial Statement Analysis	3	FIN625	Credit & Risk Management	3
FIN624	Islamic Mode of Financing	3	FIN630	Investment Analysis & Portfolio Management	3
<i>(Finance Specialization Courses)</i>			<i>(Finance Specialization Courses)</i>		
HRM613	Performance Management	3	HRM617	Training and Development	3
MGT611	Business & Labor Law	3	MGMT623	Leadership & Team Management	3
<i>(HRM Specialization Courses)</i>			<i>(HRM Specialization Courses)</i>		
MGMT611	Human Relations	3	MGMT622	Management Skills	3
MGT504	Organization Theory & Design	3	MGMT625	Change Management	3
<i>(Management Specialization Courses)</i>			<i>(Management Specialization Courses)</i>		
MKT501	Marketing Management	3	MKT621	Advertising & Promotion	3
MKT610	Customer Relationship Management	3	MKT624	Brand Management	3
<i>(Marketing Specialization Courses)</i>			<i>(Marketing Specialization Courses)</i>		
MGT401	Financial Accounting II	3	MGT510	Total Quality Management	3
MGT501	Human Resource Management	3	MGT603	Strategic Management	3
MGT502	Organizational Behaviour	3	MGT613	Production / Operations Management	3
STA630	Research Methods	3	XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of their M.Com program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## MASTER OF FINANCE

The program provides a well-integrated knowledge of financial accounting, finance & investment, and management accounting, together with the ability to relate this to the wider issues of management and corporate strategy. It prepares graduates for a wide range of careers in corporate finance, investment management, financial analysis and personal financial planning.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	66
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Finance degree, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
Semester No 1		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG301	Business Communication	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree (14-year education) in [B.Com, BBA (2-year) and other relevant equivalent qualification] with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

**DURATION: 2 years / 4 Semesters**



Code	Title	Cr. Hrs.
Semester No 2		
ECO404	Managerial Economics	3
IT430	E-Commerce	3
MGT201	Financial Management	3
MGT411	Money & Banking	3
MTH302	Business Mathematics & Statistics	3

### Semester No 3

CS507	Information Systems	3
FIN621	Financial Statement Analysis	3
FIN622	Corporate Finance	3
FIN623	Taxation Management	3
MGT602	Entrepreneurship	3
MGT611	Business & Labor Law	3

### Semester No 4

FIN624	Islamic Mode of Financing	3
FIN625	Credit & Risk Management	3
FIN630	Investment Analysis & Portfolio Management	3
MGT510	Total Quality Management	3
MGT601	SME Management	3
STA630	Research Methods	3

## MASTER OF HUMAN RESOURCE MANAGEMENT

The Masters of Human Resource Management (MHRM) has been designed for those who want to excel their career in human resource management. This program is ideal for current and aspiring HR professionals who are in the quest of sharpening their HRM skills and effectively dealing contemporary issues related to the management of human resource. The courses offered under this program will enable the graduates to manage and develop human resources, performance management, labor laws and industrial relations and leadership. This program will also give an opportunity to learn from highly competent and experienced faculty.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	63
Internship/ Project	1	3
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Human Resource Management degree, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG301	Business Communication	3
MGT503	Principles of Management	3
PSY101	Introduction to Psychology	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree equivalent to 14-year education from a recognized University/Institute with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates holding B.A/B.Sc. or Bachelor degree in disciplines other than those mentioned above may enter through Post Graduate Diploma (PGD) route.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

### DURATION: 2 years / 4 Semesters

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in an organization of repute and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## LIST OF ELECTIVE COURSES

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
MGT101	Financial Accounting	3
MGT301	Principles of Marketing	3
MGT501	Human Resource Management	3
MGT502	Organizational Behaviour	3
MTH302	Business Mathematics & Statistics	3
<b>Semester No 3</b>		
CS507	Information Systems	3
HRM617	Training and Development	3
MGT201	Financial Management	3
MGT611	Business & Labor Law	3
STA630	Research Methods	3
<b>Semester No 4</b>		
MGMT623	Leadership & Team Management	3
ABC---	Performance & Compensation Management	3
ABC---	Strategic Management/ HRM	3
ABC---	Elective - I	3
ABC---	Elective - II	3
XYZ619	Internship Report/ Final Project	3

Code	Title	Cr. Hrs.
MGT610	Business Ethics	3
MGT612	Corporate Law	3
MGMT611	Human Relations	3
MGMT622	Management Skills	3
MGMT625	Change Management	3
SOC401	Cultural Anthropology	3
MGMT627	Project Management	3
MGMT628	Organizational Development	3
MGMT629	Crisis Management	3
MGMT630	Knowledge Management	3
HRM624	Conflict Management	3
ABC---	International HRM	3



## MASTER OF OPERATIONS & SUPPLY CHAIN MANAGEMENT

Master of Operations & Supply Chain Management (MOSCM) is a comprehensive program that has been designed for those who want to excel their career in Operations and/or Supply Chain Management. This program is ideal for current and aspiring professionals who are in quest of sharpening their operations/procurement skills and effectively dealing contemporary issues related to the organizational operations. The courses offered under this program will enable the graduates to develop and manage organizational systems, plan & control production, business operations and supply chain to gain competitive advantage.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	63
Internship/ Project	1	3
<b>Total</b>	<b>22</b>	<b>66</b>

### AWARD OF DEGREE

To become eligible for the award of Master of Operations & Supply Chain Management(MOSCM) degree, students are required to qualify prescribed courses amounting to at least 66 credit hours with a minimum Cumulative Grade Point Average of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO402	Microeconomics	3
ENG301	Business Communication	3
MGT503	Principles of Management	3
MTH100	General Mathematics	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree equivalent to 14-year education from a recognized University/Institute with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

**DURATION: 2 years / 4 Semesters**

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of the program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in an organization of repute and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

### LIST OF ELECTIVE COURSES

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
MGT101	Financial Accounting	3
MGT301	Principles of Marketing	3
MGT501	Human Resource Management	3
MGT613	Production / Operations Management	3
MTH302	Business Mathematics & Statistics	3
<b>Semester No 3</b>		
CS507	Information Systems	3
MGMT614	Supply Chain Management	3
MGT201	Financial Management	3
MGT510	Total Quality Management	3
STA301	Statistics and Probability	3
STA630	Research Methods	3
<b>Semester No 4</b>		
ABC---	Strategic Management / O&SC	3
MTH601	Operations Research	3
ABC---	Production, Planning & Inventory Control	3
ABC---	Elective - I	3
ABC---	Elective - II	3
XYZ619	Internship Report/ Final Project	3

Code	Title	Cr. Hrs.
MGMT625	Change Management	3
MGMT627	Project Management	3
ABC---	Transportation & Logistics Management	3
ABC---	Warehouse Management	3
ABC---	System Dynamics	3
ABC---	Industrial Hygiene & Safety	3
ABC---	International HRM	3

## MASTER OF PUBLIC ADMINISTRATION (MPA)

Master of Public Administration (MPA) program has been designed to prepare the individuals who intend to serve as managers in the executive arm of local, provincial, federal governments, non-government, and nonprofit organizations etc. It mainly focuses on the roles, development, principles of public administration, public policy management and its implementation. It is an interdisciplinary study program drawing from fields such as anthropology, economics, law, political science, sociology and regional planning in order to equip MPA graduates with relevant skills and knowledge.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, graded discussions boards (GDBs), mid and final term examinations. The mid and final term examinations are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	23	69
Internship/ Project	1	3
<b>Total</b>	<b>24</b>	<b>72</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
MCM301	Communication skills	3
MGT111	Introduction to Public Administration	3
MGT503	Principles of Management	3
SOC101	Introduction to Sociology	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree equivalent to 14-year education from a recognized University/ Institute with at least 45% marks or CGPA 2.00 out of 4.

#### Note:

- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- VU graduates holding 2-year Bachelor degree are allowed only to continue in their respective BS (4-year) study programs.

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of Master of Public Administration (MPA) degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ECO404	Managerial Economics	3
MGT101	Financial Accounting	3
MGT301	Principles of Marketing	3
MGT501	Human Resource Management	3
MTH302	Business Mathematics & Statistics	3
SOC401	Cultural Anthropology	3

### Semester No 3

MGMT611	Human Relations	3
MGT502	Organizational Behaviour	3
MGT510	Total Quality Management	3
MGT602	Entrepreneurship	3
MGT603	Strategic Management	3
STA630	Research Methods	3

### Semester No 4

ECO501	Development Economics	3
HRM613	Performance Management	3
HRM617	Training and Development	3
MGT522	Introduction to Public Policy	3
MGT621	Administrative Law and Accountability	3
XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of their M.Com program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

**I Chose  
VU  
to REALIZE  
MY DREAMS**



“VU has steered my career in the right direction. Very rarely you get the chance to live your dreams. For me it all materialized with VU's world-class education. This experience will stay with me for life.”

**Sapna Hayat**

Founder and President,  
Shoor for Change (NGO)

## BS ACCOUNTING & FINANCE

The BS program in Accounting and Finance prepares students for entry-level positions in accounting and financial management. The program is designed to develop knowledge, skills and abilities that will enable them to cope successfully with the challenges of a rapidly evolving, global business and financial environment. The degree provides a strong foundation for a successful career in accounting and finance, and prepares highly motivated students for future studies.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship/ Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims) <i>(Elective)</i>	
ISL201	Islamic Studies <i>(Elective)</i>	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS (Accounting & Finance) degree, candidates are required to complete at least 132 credit hours course work program by attending minimum 8-semester with at least Cumulative Grade Point Average of 2.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ACC501	Business Finance	3
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MGT211	Introduction To Business	3
MGT301	Principles of Marketing	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
CS201	Introduction to Programming	3	ACC311	Fundamentals of Auditing	3
ECO402	Microeconomics	3	IT430	E-Commerce	3
MCM301	Communication skills	3	MGT510	Total Quality Management	3
MGT201	Financial Management	3	MGT520	International Business	3
MGT401	Financial Accounting II	3	MGT610	Business Ethics	3
STA301	Statistics and Probability	3	PSY101	Introduction to Psychology	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
ECO403	Macroeconomics	3	FIN611	Advanced Financial Accounting	3
MGT402	Cost & Management Accounting	3	FIN621	Financial Statement Analysis	3
MGT411	Money & Banking	3	FIN622	Corporate Finance	3
MGT502	Organizational Behaviour	3	FIN623	Taxation Management	3
MGT503	Principles of Management	3	MGT613	Production / Operations Management	3
			STA630	Research Methods	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
ENG301	Business Communication	3	CS507	Information Systems	3
MGT601	SME Management	3	FIN624	Islamic Mode of Financing	3
MGT603	Strategic Management	3	FIN630	Investment Analysis & Portfolio Management	3
MGT604	Management of Financial Institutions	3	MGT602	Entrepreneurship	3
SOC101	Introduction to Sociology	3	MGT611	Business & Labor Law	3
			XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of their BS program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## BS BANKING & FINANCE

The Department of Management Sciences offers a 4-year 8 semester program which has been designed for candidates who want to adopt banking profession as career and enhance their banking skills. The program is expected to equip the students with latest banking & finance techniques being used in the banking world.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship/ Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims) <i>(Elective)</i>	
ISL201	Islamic Studies <i>(Elective)</i>	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the award of BS (Banking & Finance) degree, candidates are required to complete at least 132 credit hours course work program by attending minimum 8- semesters with at least Cumulative Grade Point Average of 2.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MGT211	Introduction To Business	3
MGT301	Principles of Marketing	3
MGT411	Money & Banking	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
ACC501	Business Finance	3	ACC311	Fundamentals of Auditing	3
BNK601	Banking Laws & Practices	3	CS507	Information Systems	3
CS201	Introduction to Programming	3	MGT510	Total Quality Management	3
ECO402	Microeconomics	3	MGT520	International Business	3
MCM301	Communication skills	3	PSY101	Introduction to Psychology	3
MGT503	Principles of Management	3	STA630	Research Methods	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
BNK603	Consumer Banking	3	FIN621	Financial Statement Analysis	3
ECO403	Macroeconomics	3	FIN622	Corporate Finance	3
MGT201	Financial Management	3	FIN623	Taxation Management	3
MGT502	Organizational Behaviour	3	FIN625	Credit & Risk Management	3
STA301	Statistics and Probability	3	MGT610	Business Ethics	3
			MGT613	Production / Operations Management	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
ENG301	Business Communication	3	FIN624	Islamic Mode of Financing	3
IT430	E-Commerce	3	FIN630	Investment Analysis & Portfolio Management	3
MGT601	SME Management	3	MGT602	Entrepreneurship	3
MGT604	Management of Financial Institutions	3	MGT603	Strategic Management	3
SOC101	Introduction to Sociology	3	MGT611	Business & Labor Law	3
			XYZ619	Internship Report/ Final Project	3

### PROJECT/INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 3-credit hours in the final semester of their BS in Banking & Finance program. The choice of the final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.



## BS BUSINESS ADMINISTRATION

The BS program in Business Administration offers the aspiring candidates a progressive curriculum to have appreciable command of business fundamentals and higher level leadership skills. The specialization helps students develop their managerial, interpersonal and professional skills required to excel in the career.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	38	113
Elective Courses	5	13
Internship/ Project	1	6
<b>Total</b>	<b>44</b>	<b>132</b>
Specialization Courses		
Banking *	4 / 4	12
Finance **	4 / 4	12
HRM ***	4 / 4	12
Management	4 / 4	12
MIS "	4 / 4	12
Marketing " "	4 / 4	12

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
CS101	Introduction to Computing	3	ENG201	Business and Technical English Writing	3
ENG101	English Comprehension	3	MGT211	Introduction to Business	3
MGT101	Financial Accounting	3	MGT301	Principles of Marketing	3
MTH302	Business Mathematics & Statistics	3	MGT503	Principles of Management	3
PAK301	Pakistan Studies	2	STA301	Statistics and Probability	3
ETH201	Ethics (for Non-Muslims)				
ISL201	Islamic Studies	1			

*(Option to select one)*

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the awards of BS (Business Administration) degree, candidates are required to complete at least 132 credit hours course work program by attending minimum 8 semesters with at least Cumulative Grade Point Average of 2.00.

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 7</b>		
ECO402	Microeconomics	3	MGT411	Money & Banking	3
MCM301	Communication skills	3	MGT610	Business Ethics	3
MGT111	Introduction to Public Administration	3	PSY101	Introduction to Psychology	3
MGT401	Financial Accounting II	3	<b>Semester No 7</b>		
MGT603	Strategic Management	3	BNK601	Banking Laws & Practices *	3
<b>Semester No 4</b>			MGT604	Management of Financial Institutions *	3
ACC501	Business Finance	3	FIN625	Credit & Risk Management *	3
ECO403	Macroeconomics	3	FIN621	Financial Statement Analysis **	3
IT430	E-Commerce	3	FIN622	Corporate Finance **	3
MGT501	Human Resource Management	3	FIN623	Taxation Management **	3
MGT502	Organizational Behaviour	3	HRM624	Conflict Management ***	3
<b>Semester No 5</b>			MGMT611	Human Relations ***	3
CS507	Information Systems	3	MGMT623	Leadership & Team Management ***	3
ENG301	Business Communication	3	MGMT623	Leadership & Team Management#	3
MGT201	Financial Management	3	MGMT625	Change Management "	3
MGT601	SME Management	3	MGMT628	Organizational Development "	3
MKT501	Marketing Management	3	CS201	Introduction to Programming " "	3
SOC101	Introduction to Sociology	3	CS403	Database Management Systems " "	3
<b>Semester No 6</b>			CS610	Computer Network " "	3
ECO401	Economics	3	MKT610	Customer Relationship Management " " "	3
MGMT627	Project Management	3	MKT621	Advertising & Promotion " " "	3
MGT402	Cost & Management Accounting	3	MKT624	Brand Management " " "	3
			MGT510	Total Quality Management	3
			MGT613	Production / Operations Management	3
			STA630	Research Methods	3

Code	Title	Cr. Hrs.
<b>Semester No 8</b>		
BNK603	Consumer Banking *	3
FIN630	Investment Analysis & Portfolio Mgmt. **	3
HRM627	Human Resource Development ***	3
MGMT630	Knowledge Management "	3
CS615	Software Project Management " "	3
MKT630	International Marketing " " "	3
MGT520	International Business	3
MGT602	Entrepreneurship	3
MGT611	Business & Labor Law	3
XYZ620	Internship Report/ Project	6

## PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report of 6-credit hours in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.



## BS COMMERCE

The BS in Commerce is a well-rounded program, challenging students to become critical thinkers for strong leadership in business. A focus on the "why" beyond the "how" in the curriculum helps students prepare for highly gratifying professional careers. Like business itself, management education is a living, breathing discipline. The curriculum prepares students to solve practical problems, while building basic skill sets.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship/ Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- Candidates already having 2-Year B.Com degree are allowed to join in fifth semester.

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the awards of BS (Commerce), candidates are required to complete at least 132 credit hours course work program by attending minimum 8 semesters with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ACC311	Fundamentals of Auditing	3
ACC501	Business Finance	3
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MGT211	Introduction to Business	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
ECO402	Microeconomics	3	IT430	E-Commerce	3
MCM301	Communication skills	3	MGT111	Introduction to Public Administration	3
MGT401	Financial Accounting II	3	MGT501	Human Resource Management	3
MGT402	Cost & Management Accounting	3	MGT603	Strategic Management	3
MGT411	Money & Banking	3	MGT610	Business Ethics	3
			PSY101	Introduction to Psychology	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
ECO403	Macroeconomics	3	CS507	Information Systems	3
FIN611	Advanced Financial Accounting	3	MGT502	Organizational Behaviour	3
FIN623	Taxation Management	3	MGT510	Total Quality Management	3
MGT503	Principles of Management	3	MGT520	International Business	3
MGT611	Business & Labor Law	3	MGT613	Production / Operations Management	3
			STA630	Research Methods	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
ENG301	Business Communication	3	FIN624	Islamic Mode of Financing	3
MGT201	Financial Management	3	FIN630	Investment Analysis & Portfolio Management	3
MGT301	Principles of Marketing	3	MGMT627	Project Management	3
MGT601	SME Management	3	MGT602	Entrepreneurship	3
SOC101	Introduction to Sociology	3	MGT604	Management of Financial Institutions	3
STA301	Statistics and Probability	3	COM619	Final Project-Commerce	
			COMI619	Internship Report-Commerce	3

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

*(Option to select one)*

## BS MANAGEMENT

The Department of Management Sciences offers a 4-year 8 semester program which has been designed for candidates who want to adopt business as career and like to enhance their management skills. The program is expected to provide opportunities to the students to learn latest management techniques being used in the business world.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship/ Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the awards of BS (Management), candidates are required to complete at least 132 credit hours course work program by attending minimum 8 semesters with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT211	Introduction to Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
STA301	Statistics and Probability	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
ECO402	Microeconomics	3	ECO401	Economics	3
MCM301	Communication skills	3	MGMT627	Project Management	3
MGT111	Introduction to Public Administration	3	MGT402	Cost & Management Accounting	3
MGT401	Financial Accounting II	3	MGT411	Money & Banking	3
PSY101	Introduction to Psychology	3	MGT611	Business & Labor Law	3
			STA630	Research Methods	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
ACC501	Business Finance	3	HRM624	Conflict Management	3
ECO403	Macroeconomics	3	MGMT625	Change Management	3
IT430	E-Commerce	3	MGT510	Total Quality Management	3
MGT501	Human Resource Management	3	MGT602	Entrepreneurship	3
MGT502	Organizational Behaviour	3	MGT603	Strategic Management	3
			MGT610	Business Ethics	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
CS507	Information Systems	3	MGMT623	Leadership & Team Management	3
ENG301	Business Communication	3	MGMT628	Organizational Development	3
MGT201	Financial Management	3	MGMT630	Knowledge Management	3
MGT601	SME Management	3	MGT520	International Business	3
MKT501	Marketing Management	3	MGT613	Production / Operations Management	3
SOC101	Introduction to Sociology	3	MGT619	Final Project-Management	
			MGTI619	Internship Report-Management	3
			<i>(Option to select one)</i>		

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## BS MARKETING

The Department of Management Sciences offers a 4-year 8 semester program which has been designed for candidates who want to adopt business as career and like to enhance their marketing skills. The program is expected to provide opportunities to the students to learn variety of marketing techniques being used in the challenging business world.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship/ Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the awards of BS (Marketing), candidates are required to complete at least 132 credit hours course work program by attending minimum 8 semesters with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT211	Introduction to Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
STA301	Statistics and Probability	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
ECO402	Microeconomics	3	ECO401	Economics	3
MCM301	Communication skills	3	MGT613	Production / Operations Management	3
MGT111	Introduction to Public Administration	3	MKT530	Consumer Behavior	3
MGT401	Financial Accounting II	3	MKT621	Advertising & Promotion	3
MGT610	Business Ethics	3	MGT402	Cost & Management Accounting	3
			STA630	Research Methods	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
ACC501	Business Finance	3	MGT411	Money & Banking	3
ECO403	Macroeconomics	3	MKT610	Customer Relationship Management	3
IT430	E-Commerce	3	MKT611	Marketing Research	3
MGT501	Human Resource Management	3	MGT510	Total Quality Management	3
MGT502	Organizational Behaviour	3	MKT624	Brand Management	3
			SOC101	Introduction to Sociology	3
<b>Semester No 5</b>			<b>Semester No 8</b>		
CS507	Information Systems	3	MGT602	Entrepreneurship	3
ENG301	Business Communication	3	MGT603	Strategic Management	3
MGT201	Financial Management	3	MKT630	International Marketing	3
MGT601	SME Management	3	MGT520	International Business	3
MKT501	Marketing Management	3	MKT---	Sales Management	3
PSY101	Introduction to Psychology	3	MKT619	Final Project-Marketing	
			MKT1619	Internship Report-Marketing	3
			<i>(Option to select one)</i>		

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## BS PUBLIC ADMINISTRATION

The Department of Management Science offers 4-year/ 8 semesters BS program in Public Administration which has been designed for the candidates seeking their career particularly in public sector or in non-Government Organizations (NGOs). The program develops good understanding of the political, social and economic aspects of public services and prepares the students to compete for the jobs available in the public sector organizations.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	129
Internship/ Project	1	3
<b>Total</b>	<b>45</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	1
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the awards of BS (Public Administration), candidates are required to complete at least 132 credit hours course work program by attending minimum 8 semesters with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ECO401	Economics	3
ENG201	Business and Technical English Writing	3
MGT111	Introduction to Public Administration	3
MGT211	Introduction to Business	3
STA301	Statistics and Probability	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
ECO402	Microeconomics	3	MGMT623	Leadership & Team Management	3
MCM301	Communication skills	3	MGMT625	Change Management	3
MGT401	Financial Accounting II	3	MGT402	Cost & Management Accounting	3
MGT502	Organizational Behaviour	3	MGT411	Money & Banking	3
MGT503	Principles of Management	3	MGT610	Business Ethics	3
<b>Semester No 4</b>			SOC101	Introduction to Sociology	3
ACC501	Business Finance	3	<b>Semester No 7</b>		
ECO403	Macroeconomics	3	MGMT628	Organizational Development	3
IT430	E-Commerce	3	MGMT630	Knowledge Management	3
MGT501	Human Resource Management	3	MGT510	Total Quality Management	3
MGT603	Strategic Management	3	MGT613	Production / Operations Management	3
<b>Semester No 5</b>			PSY101	Introduction to Psychology	3
ENG301	Business Communication	3	STA630	Research Methods	3
MCM401	Fundamentals of Public Relations	3	<b>Semester No 8</b>		
MGMT611	Human Relations	3	HRM624	Conflict Management	3
MGT201	Financial Management	3	HRM627	Human Resource Development	3
MGT301	Principles of Marketing	3	MGT520	International Business	3
MGT601	SME Management	3	MGT602	Entrepreneurship	3
<b>PROJECT / INTERNSHIP REPORT</b>			MGT611	Business & Labor Law	3
Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation. Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.			PAD619	Final Project-Public Administration	
			PADI619	Internship Report-Public Administration	3
			<i>(Option to select one)</i>		

## BACHELOR OF BUSINESS & INFORMATION TECHNOLOGY (BBIT)

Bachelor of Business & Information Technology (BBIT) is a 4-year 8 semester program. Students are offered courses in Business and Information Technology which blend into a coherent and professional degree program. The Bachelor of Business Information Technology (BBIT) is designed to provide students with expertise in the development and use of computer systems for solving business problems and making managerial decisions.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	43	126
Project	1	6
<b>Total</b>	<b>44</b>	<b>132</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
SOC101	Introduction to Sociology	3
MTH302	Business Mathematics and Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	1
ISL201	Islamic Studies	1

*(Option to select one)*

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### AWARD OF DEGREE

To be eligible for the awards of BBIT, candidates are required to complete at least 132 credit hours course work program by attending minimum 8 semesters with at least CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
CS201	Introduction to Programming	3
MGT211	Introduction to Business	3
ENG201	Business and Technical English Writing	3
MGT503	Principles of Management	3
PSY101	Introduction to Psychology	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 6</b>		
CS302	Digital Logic Design	3	CS507	Information Systems	3
CS304	Object Oriented Programming	3	CS605	Software EngineeringII	3
ECO402	Microeconomics	3	CS610	Computer Network	3
MGT101	Financial Accounting	3	CS615	Software Project Management	3
PSC201	International Relations	3	MGT502	Organizational Behaviour	3
			MGT504	Organization Theory & Design	3
<b>Semester No 4</b>			<b>Semester No 7</b>		
ACC501	Business Finance	3	CS408	Human Computer Interaction	3
CS403	Database Management Systems	3	MGMT627	Project Management	3
ECO403	Macroeconomics	3	MGT510	Total Quality Management	3
ENG301	Business Communication	3	MGT601	SME Management	3
MGT301	Principles of Marketing	3	MGT602	Entrepreneurship	3
STA301	Statistics and Probability	3			
<b>Semester No 5</b>			<b>Semester No 8</b>		
CS504	Software Engineering - I	3	CS614	Data Warehousing	3
CS506	Web Design and Development	3	MGT610	Business Ethics	3
CS601	Data Communication	3	MGT611	Business & Labor Law	3
IT430	E-Commerce	3	MGT613	Production / Operations Management	3
MGT402	Cost & Management Accounting	3	IT620	Final Project - BBIT	6
MGT501	Human Resource Management	3			

### PROJECT

Students are required to complete a Project in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

## BA BUSINESS ADMINISTRATION

The Bachelor of Arts in Business Administration program is a regular 2-year degree program which has been designed to equip the students with adequate knowledge and skills that would help them take an early start of their professional career so that they can earn their living and support their families too.

**Note:** Candidates holding 2-year BA in Business Administration will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	60
<b>Total</b>	<b>21</b>	<b>60</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

**Note:**

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of Bachelor of Arts in Business Administration degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT211	Introduction to Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
STA301	Statistics and Probability	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ECO402	Microeconomics	3	ACC501	Business Finance	3
MCM301	Communication skills	3	ECO403	Macroeconomics	3
MGT111	Introduction to Public Administration	3	IT430	E-Commerce	3
MGT401	Financial Accounting II	3	MGT501	Human Resource Management	3
MGT603	Strategic Management	3	MGT502	Organizational Behaviour	3





## BACHELOR OF COMMERCE (B.Com)

The Bachelor of Commerce (B.Com) program is a well-renowned 2-year degree program which has been designed to equip the students with adequate knowledge and skills which would help them take an early start of their professional career so that they can earn their living and support their families too.

**Note:** Candidates holding 2-year B.Com degree will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	21	60
<b>Total</b>	<b>21</b>	<b>60</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ENG101	English Comprehension	3
MGT101	Financial Accounting	3
MTH302	Business Mathematics & Statistics	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

**Note:**

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of Bachelor of Commerce degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ACC311	Fundamentals of Auditing	3
ACC501	Business Finance	3
ENG201	Business and Technical English Writing	3
MGT211	Introduction to Business	3
STA301	Statistics and Probability	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ECO402	Microeconomics	3	ECO403	Macroeconomics	3
MCM301	Communication skills	3	FIN611	Advanced Financial Accounting	3
MGT401	Financial Accounting II	3	FIN623	Taxation Management	3
MGT402	Cost & Management Accounting	3	MGT503	Principles of Management	3
MGT411	Money & Banking	3	MGT611	Business & Labor Law	3



## B.Sc. (MATHEMATICS, STATISTICS & ECONOMICS)

The B.Sc. (Mathematics, Statistics & Economics) program is a well-renowned combination in 2-year B.Sc. degree program which has been designed to equip the students with adequate knowledge and skills which would help them take an early start of their professional career so that they can earn their living and support their families too.

**Note:** VU Graduates holding 2-year B.Sc. degree in Mathematics, Statistics & Economics will only be allowed to continue seamlessly towards their respective 4-year BS Degree Program.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	60
<b>Total</b>	<b>22</b>	<b>60</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
Semester No 1		
CS101	Introduction to Computing	3
ECO406	Mathematical Economics	3
ENG101	English Comprehension	3
MTH101	Calculus and Analytical Geometry	3
PAK301	Pakistan Studies	2
ETH201	Ethics (for Non-Muslims)	1
ISL201	Islamic Studies	1

*(Option to select one)*

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

**Note:**

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

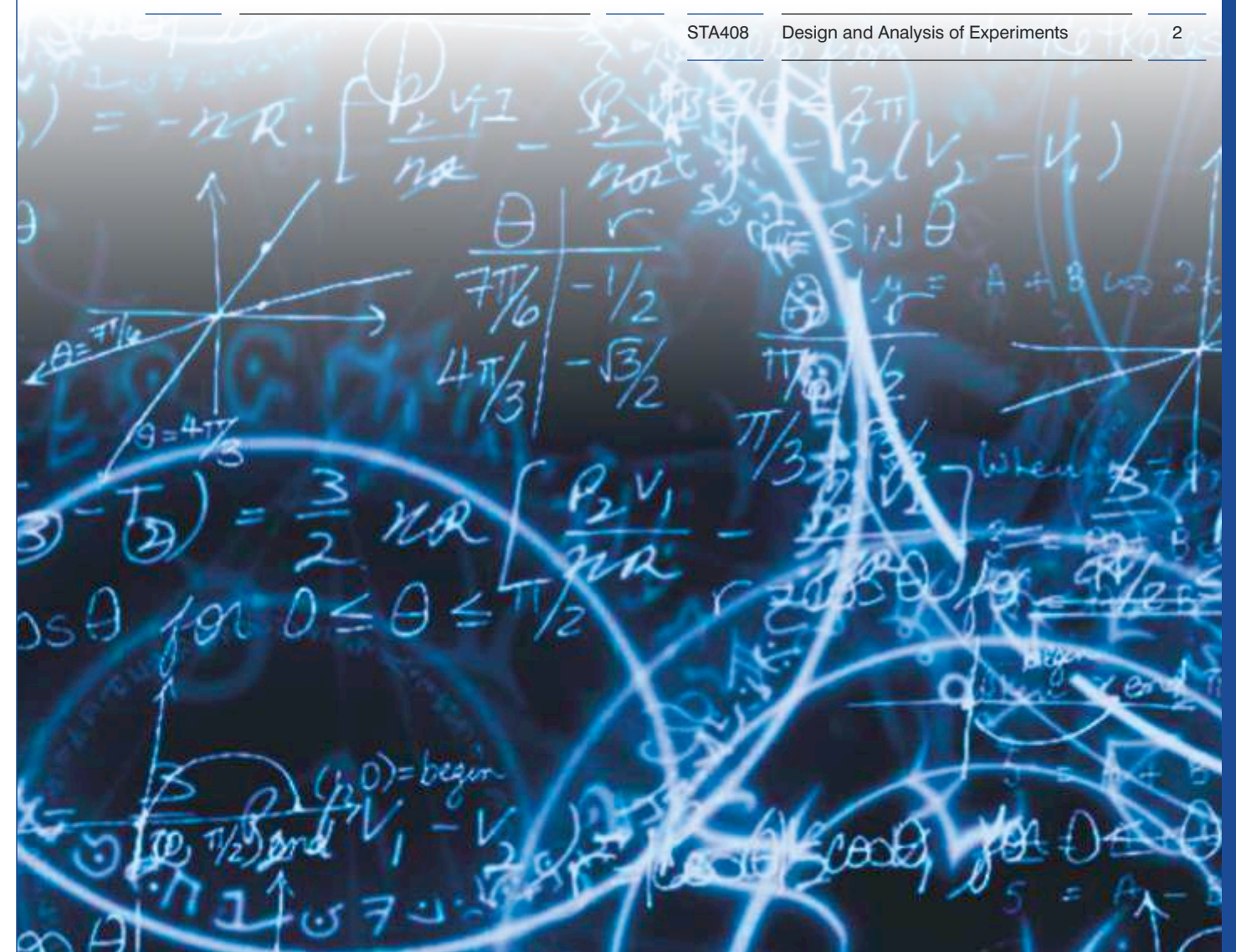
**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of B.Sc. (Math., Stat. & Eco.) degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
Semester No 2		
ECO302	Principles of Microeconomics	3
ENG201	Business and Technical English Writing	3
MGT211	Introduction to Business	3
MTH201	Multivariable Calculus	3
STA301	Statistics and Probability	3

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 3			Semester No 4		
ECO303	Principles of Macroeconomics	3	ECO501	Development Economics	3
IT430	E-Commerce	3	MCM301	Communication skills	3
MTH303	Mathematical Methods	3	MGT503	Principles of Management	3
STA304	Applied Statistics	3	MTH403	Calculus and Analytical Geometry - II	3
STA406	Statistical Inference	2	STA404	Regression and Correlation Analysis	2
			STA408	Design and Analysis of Experiments	2



## ASSOCIATE DEGREE PROGRAM IN ACCOUNTING & FINANCE

The Associate Degree in Accounting & Finance has been designed for candidates having 12-years education who want to have distinctive opportunity to study the theory and practice relating to accounting and finance, develop the proficiency in the application of accounting & finance principles in the financial and corporate sectors and to be absorbed at entry level positions in the ever demanding and rewarding field of accounting and finance.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	63
Internship/ Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
SOC101	Introduction to Sociology	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 2 years / 4 Semesters

### AWARD OF DEGREE

To become eligible for the award of ADP in Accounting & Finance degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
PAK301	Pakistan Studies	2

Code	Title	Cr. Hrs.
<b>Semester No 3</b>		
ACC501	Business Finance	3
MCM301	Communication skills	3
MGT402	Cost & Management Accounting	3
MGT501	Human Resource Management	3
PSY101	Introduction to Psychology	3
ABC---	Mercantile Law	3

### Semester No 4

FIN623	Taxation Management	3
MGT401	Financial Accounting II	3
MGT411	Money & Banking	3
ABC---	Computer Applications in Accounting	3
FIN619	Final Project-Finance	
FINI619	Internship Report-Finance	3

*(Option to select one)*



### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## ASSOCIATE DEGREE PROGRAM IN HRM

The Associate Degree Program in Human Resource Management has been designed for candidates having 12-years education who wish to develop understanding of basic management and business principles; want a strong understanding of human resource management and its functions to be performed at entry level position in the department of HR; and gain knowledge and practical skillset necessary to work in organizational settings.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	63
Internship/ Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
SOC101	Introduction to Sociology	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of ADP in Human Resource Management degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ACC501	Business Finance	3	IT430	E-Commerce	3
MCM301	Communication skills	3	HRM617	Training and Development	3
MGT301	Principles of Marketing	3	ABC---	Labour Laws	3
MGT502	Organizational Behaviour	3	ABC---	Performance & Compensation Management	3
PSY101	Introduction to Psychology	3	HRM619	Final Project-HRM	
ABC---	Recruitment & Selection	3	HRMI619	Internship Report-HRM	3
<i>(Option to select one)</i>					

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.



## ASSOCIATE DEGREE PROGRAM IN ISLAMIC BANKING

The Associate Degree Program in Islamic Banking has been designed for candidates having 12-years education who want to be resourceful in the principles, concepts and practices of Islamic banking; who want to be conversant with essential aspects of the operations of Islamic banking which is the fast growing parallel banking system in Pakistan and worldwide; and obtain a well-integrated knowledge of Islamic banking and Islamic finance which is essential for the entry level job in Islamic banking.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	63
Internship/ Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
SOC101	Introduction to Sociology	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of ADP in Islamic Banking degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT101	Financial Accounting	3
MGT211	Introduction to Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
PAK301	Pakistan Studies	2

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ACC501	Business Finance	3	MGT411	Money & Banking	3
FIN624	Islamic Mode of Financing	3	ABC---	Islamic Banking Practices	3
MCM301	Communication skills	3	ABC---	Financial Jurisprudence in Islam	3
MGT501	Human Resource Management	3	ABC---	Islamic Ethics in Business	3
PSY101	Introduction to Psychology	3	BNKI619	Internship Report-Banking	
ABC---	Economic Ideology in Islam	3	BNK619	Final Project-Banking	3
<i>(Option to select one)</i>					

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.



## ASSOCIATE DEGREE PROGRAM IN OPERATIONS MANAGEMENT

The Department of Management Science has designed an associate degree in operations management which provides the candidates a distinctive opportunity to develop their skills to face the challenges of contemporary industries and markets and take an early start in the professional career. It enables them to deal with routine tasks performed by production or operation departments and evaluate the operations for continuous improvement and quality enhancement.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	63
Internship/ Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
SOC101	Introduction to Sociology	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of ADP in Operations Management degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT101	Financial Accounting	3
MGT211	Introduction to Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
PAK301	Pakistan Studies	2

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ACC501	Business Finance	3	MGMT627	Project Management	3
STA301	Statistics and Probability	3	IT430	E-Commerce	3
MCM301	Communication skills	3	MGT510	Total Quality Management	3
MGT501	Human Resource Management	3	MGT614	Supply Chain Management	3
PSY101	Introduction to Psychology	3	MGTI619	Internship Report-Management	
MGT613	Production/ Operations Management	3	MGT619	Final Project-Management	3
			<i>(Option to select one)</i>		

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.

## ASSOCIATE DEGREE PROGRAM IN SALES AND MARKETING

The ADP in Sales and Marketing has been designed to develop knowledge of working in a sales and marketing business in the local & global marketplace; demonstrate an understanding of the basics of marketing and supply chain management; develop the skills to understand and implement business plans; enhance the skills necessary to formulate and plan selling the products; and understand the promotion and delivery of products or services as a key element in response to customer requirements. The graduates of the proposed program are expected to be self-employed or employed by public enterprises and private corporations at entry level jobs in marketing, procurement and sales/ distribution departments.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	63
Internship/ Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
SOC101	Introduction to Sociology	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 2 years / 4 Semesters

### AWARD OF DEGREE

To become eligible for the award of ADP in Sales and Marketing degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT101	Financial Accounting	3
MGT211	Introduction To Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
PAK301	Pakistan Studies	2

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ACC501	Business Finance	3	IT430	E-Commerce	3
MCM301	Communication skills	3	MKT530	Consumer Behaviour	3
MCM401	Fundamentals of Public Relations	3	MKT621	Advertising and Promotion	3
MGT501	Human Resource Management	3	MKT---	Export Marketing	3
PSY101	Introduction to Psychology	3	MKT619	Final Project-Marketing	
MKT---	Sales Management	3	MKT1619	Internship Report-Marketing	3
<i>(Option to select one)</i>					

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.



## ASSOCIATE DEGREE PROGRAM IN SUPPLY CHAIN MANAGEMENT

The ADP in Supply Chain Management has been designed for candidates having 12-years education who want to be capable of dealing with routine tasks of supply chain including procurement, distribution, warehousing and logistics; understand how to implement supply chain strategies; to learn to evaluate supply chain practices for continuous improvement and quality enhancement; and gain in-depth knowledge related to supply chain, align themselves with the latest developments and in creating capacity building by applying their knowledge practically. The graduates of the proposed program are expected to be employed by public sector enterprises and private corporations at entry level jobs in procurement, warehouse/ logistics, sales/distribution, quality control and operations departments.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	22	63
Internship/ Project	1	3
<b>Total</b>	<b>23</b>	<b>66</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3
ECO401	Economics	3
ENG101	English Comprehension	3
MTH302	Business Mathematics & Statistics	3
SOC101	Introduction to Sociology	3
ETH201	Ethics (for Non-Muslims)	
ISL201	Islamic Studies	1
<i>(Option to select one)</i>		

### ADMISSION ELIGIBILITY CRITERIA

Intermediate (equivalent to 12 years of education) with at least 45% marks.

Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of ADP in Sales and Marketing degree, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

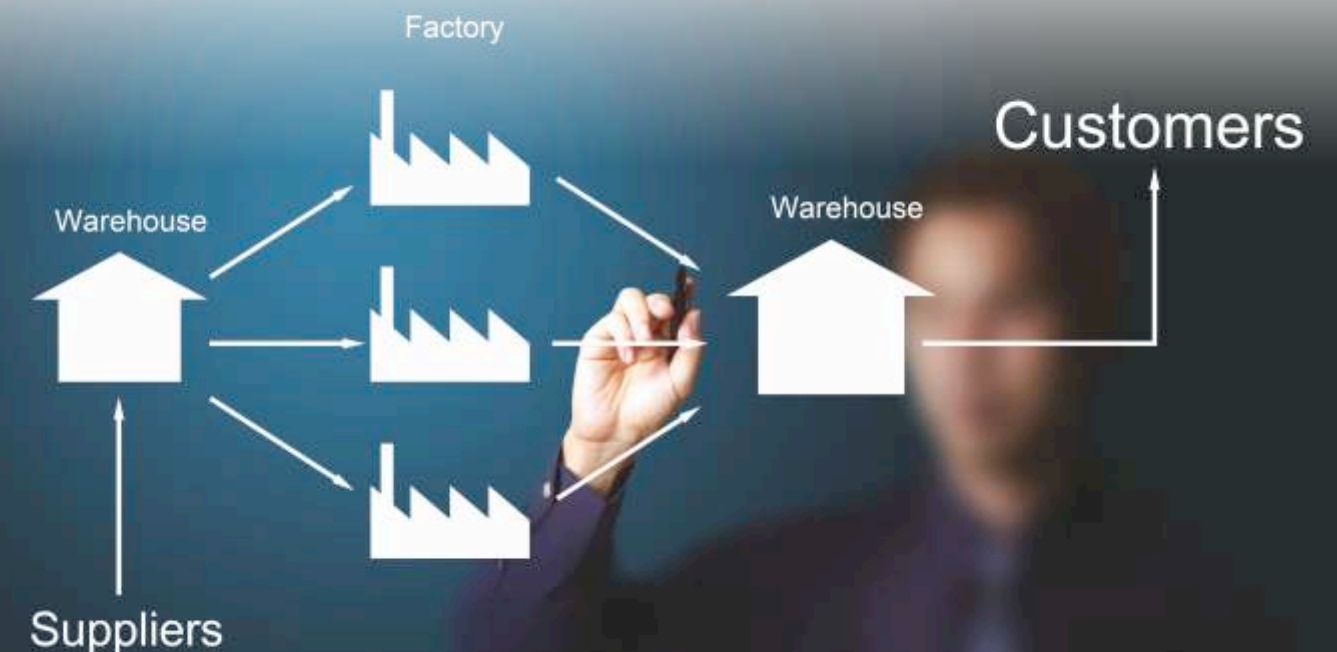
Code	Title	Cr. Hrs.
<b>Semester No 2</b>		
ENG201	Business and Technical English Writing	3
MGT101	Financial Accounting	3
MGT211	Introduction to Business	3
MGT301	Principles of Marketing	3
MGT503	Principles of Management	3
PAK301	Pakistan Studies	2

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 3</b>			<b>Semester No 4</b>		
ACC501	Business Finance	3	IT430	E-Commerce	3
MCM301	Communication skills	3	MGT613	Production / Operations Management	3
MGMT614	Supply Chain Management	3	MTH601	Operations Research	3
MGT501	Human Resource Management	3	ABC—	Transportation and Logistics Management	3
PSY101	Introduction to Psychology	3	MGT619	Final Project-Management	
STA301	Statistics and Probability	3	MGTI619	Internship Report-Management	3
<i>(Option to select one)</i>					

### PROJECT / INTERNSHIP REPORT

Students are required to complete a Project/ Internship Report in the final semester of the program. The choice of final project is at the student's discretion. However, consultation with the student advisor is compulsory. Students have to submit a detailed write-up of the Project and may be required to give a presentation.

Students taking Internship course are required to complete 6 to 8 weeks internship in the organization and shall get internship certificate from the concerned organization. The students who are already in service shall be exempted from Internship but required to submit the Project.





## POST GRADUATE DIPLOMA IN ACCOUNTING

Post Graduate Diploma (PGD) in Accounting has been designed to equip the students with comprehensive book-keeping knowledge which will help in-service students strengthen their concepts and improve their professional competencies. It will also suit candidates who intend to start their professional career with strong book-keeping exposure.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	12	36
<b>Total</b>	<b>12</b>	<b>36</b>

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Accounting, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
ACC311	Fundamentals of Auditing	3	ECO401	Economics	3
ENG301	Business Communication	3	FIN611	Advanced Financial Accounting	3
MGT101	Financial Accounting	3	FIN621	Financial Statement Analysis	3
MGT211	Introduction To Business	3	IT430	E-Commerce	3
MGT402	Cost & Management Accounting	3	MGT401	Financial Accounting II	3
MTH302	Business Mathematics & Statistics	3	MGT411	Money & Banking	3

## POST GRADUATE DIPLOMA IN ACCOUNTING & FINANCE

Post Graduate Diploma (PGD) in Accounting & Finance has been designed to cater the ever-increasing demand in the industry for accounting and finance professionals who are more conceptually equipped and academically sound to take the challenges of day to day organizational tasks. Today's finance world demands more competitive, specific, innovative and tailor-made skills for survival in a globalized business environment. The diploma will also provide a way-in to those having no prior knowledge but intend to join a higher study program.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Accounting & Finance, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	ACC501	Business Finance	3
ENG201	Business and Technical English Writing	3	MGT201	Financial Management	3
MGT101	Financial Accounting	3	MGT401	Financial Accounting II	3
MGT211	Introduction to Business	3	MGT402	Cost & Management Accounting	3

## POST GRADUATE DIPLOMA IN BANKING & FINANCE

Post Graduate Diploma in Banking & Finance has been designed to provide insight of banking and finance knowledge to those who are either already serving the industry or intend to join in rapidly expanding banking sector. Furthermore, the program will provide relevant knowledge to those who do not have any prior knowledge of the field but willing to enter the disciplines of banking and finance in order to continue their higher studies in the future.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Banking & Finance, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
CS101	Introduction to Computing	3	BNK601	Banking Laws & Practices	3
ECO401	Economics	3	FIN621	Financial Statement Analysis	3
ENG201	Business and Technical English Writing	3	MGT201	Financial Management	3
MGT101	Financial Accounting	3	MGT411	Money & Banking	3

## POST GRADUATE DIPLOMA IN BUSINESS ADMINISTRATION

Post Graduate Diploma in Business Administration equips the students and in-service employees to meet the challenges and avail the opportunities of the corporate world. The main focus of the program is to provide management-cum-computer education to in-service employees and interested students. It strengthens the management and leadership capabilities of students. The program provides balanced coverage of the various aspects of Business and Management that will also allow the diploma holders to meet the challenge of today's technology. Candidates after obtaining diploma can seek admission in Master Degree Programs.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	12	36
<b>Total</b>	<b>12</b>	<b>36</b>

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Business Administration, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 2</b>		
CS101	Introduction to Computing	3	CS507	Information Systems	3
MGT101	Financial Accounting	3	ECO401	Economics	3
MGT301	Principles of Marketing	3	ENG301	Business Communication	3
MGT501	Human Resource Management	3	IT430	E-Commerce	3
MGT503	Principles of Management	3	MGT411	Money & Banking	3
MTH302	Business Mathematics & Statistics	3	MKT501	Marketing Management	3

## POST GRADUATE DIPLOMA IN ENTREPRENEURSHIP & SME MANAGEMENT

Post Graduate Diploma in Entrepreneurship & SME Management has been designed with an objective to give opportunity to entrepreneurs, small business owners, general practitioners and students to understand the foundation of entrepreneurship and equip themselves with necessary skills required to manage business ventures. The program can also be of immense value for those middle managers who are interested in launching and managing new ventures from the platform of large scale corporations. Students interested in seeking higher education in entrepreneurship and SME management or launching own ventures can also be benefited from the program.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	MGT101	Financial Accounting	3
ECO401	Economics	3	MGT520	International Business	3
ENG201	Business and Technical English Writing	3	MGT601	SME Management	3
MGT503	Principles of Management	3	MGT602	Entrepreneurship	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/ institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 1 year / 2 Semesters

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Entrepreneurship & SME Management, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

## POST GRADUATE DIPLOMA IN FINANCE

Post Graduate Diploma in Finance has been designed to produce/ develop professionals having relevant subject knowledge and ability to fulfill the needs of career positions in the Finance Department of private as well as public sector organizations. The program is equally good for serving professional willing to update their existing knowledge in short period of time and students willing to develop their career in the financial services sector. Furthermore, the program will provide the students a solid foundation while pursuing their higher degree in the field of Finance.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	ACC501	Business Finance	3
ECO401	Economics	3	FIN621	Financial Statement Analysis	3
ENG201	Business and Technical English Writing	3	FIN624	Islamic Mode of Financing	3
MGT211	Introduction to Business	3	MGT411	Money & Banking	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/ institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 1 year / 2 Semesters

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Finance, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

## POST GRADUATE DIPLOMA IN HUMAN RESOURCE MANAGEMENT

Post Graduate Diploma in Human Resource Management has been designed with a core purpose of developing HR skills in practitioners to equip them with required competence in the field of Human Resource Management. The program is equally helpful for all business graduates, non-business graduates, doctors, engineers and other specialists serving in HR departments or those intend to pursue their higher studies in the field of HRM but have no previous knowledge.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	HRM624	Conflict Management	3
ENG201	Business and Technical English Writing	3	HRM627	Human Resource Development	3
MGT501	Human Resource Management	3	MGMT611	Human Relations	3
PSY510	Organizational Psychology	3	MGMT622	Management Skills	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/ institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Human Resource Management, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

## POST GRADUATE DIPLOMA IN MARKETING MANAGEMENT

Post Graduate Diploma in Marketing Management has been designed with special objectives to provide opportunity to practitioners, theorists and students to enhance their understanding on marketing management. Practitioners with or without business degree can have specialized knowledge of marketing required in formulating strategies and making day to day decisions in the field. Theorists can get the necessary background knowledge required for theory development in the discipline of marketing. Students interested in having future in the field of marketing can also take this diploma as a solid foundation for both practical advancement as well as advancement in higher education.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	MCM401	Fundamentals of Public Relations	3
ECO401	Economics	3	MGT503	Principles of Management	3
ENG201	Business and Technical English Writing	3	MKT621	Advertising & Promotion	3
MGT301	Principles of Marketing	3	MKT624	Brand Management	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/ institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Marketing Management, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

## POST GRADUATE DIPLOMA IN PUBLIC ADMINISTRATION

Post Graduate Diploma in Public Administration has been designed with a core purpose of developing public-personnel to meet the contemporary challenges with a true sense of public service. The program is especially helpful for all business graduates, non-business graduates, doctors, engineers and other specialists serving in public sector organizations or those intend to pursue their higher studies in the field of Public Administration but have no previous knowledge. Students seeking their career in public organizations as well as NGOs can also be the wonderful beneficiaries of this program.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	8	24
<b>Total</b>	<b>8</b>	<b>24</b>

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	ECO401	Economics	3
ENG201	Business and Technical English Writing	3	MGT101	Financial Accounting	3
MGT111	Introduction to Public Administration	3	MGT502	Organizational Behaviour	3
MGT503	Principles of Management	3	SOC401	Cultural Anthropology	3

### ADMISSION ELIGIBILITY CRITERIA

Bachelor's degree from a recognized university/ institute in any discipline with at least 45% marks or CGPA 2.00 out of 4

However, candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

**DURATION: 1 year / 2 Semesters**

### AWARD OF DIPLOMA

To become eligible for the award of PGD in Human Resource Management, students are required to qualify prescribed courses with a minimum CGPA of 2.00.

## DEFICIENCY SEMESTER(S) FOR ADMISSION TOWARDS MSBA/ MBA (EQUIVALENT TO MS)

The candidates with 16-year non-business education [BE, MBBS, MA, M.Sc., and other equivalent qualifications from a recognized university/institution] will be required to qualify at least 36-credit hours of deficiency business courses before they become eligible for admission towards MBA (equivalent to MS)/MS in Business Administration program.

**Note:** Upon successful completion of Deficiency Semester(s), students will be eligible to apply for admission towards MS level program.

### ASSESSMENT OF STUDY PROGRESS:

The evaluation of students' study progress for deficiency courses is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards, mid-term and final-term examinations. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

### COURSE EXEMPTION

The number of courses required to be studied by a candidate are determined by admission committee on case to case basis. Already qualified courses are exempted from the scheme of studies given below. In such cases, the students can complete their remaining courses in minimum 18 weeks/ one semester.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
Semester No 1			Semester No 2		
CS101	Introduction to Computing	3	ACC501	Business Finance	3
ECO401	Economics	3	MGT211	Introduction To Business	3
MGT101	Financial Accounting	3	MGT401	Financial Accounting II	3
MGT301	Principles of Marketing	3	MGT501	Human Resource Management	3
MGT503	Principles of Management	3	MKT501	Marketing Management	3
MTH302	Business Mathematics & Statistics	3	STA630	Research Methods	3

### ADMISSION ELIGIBILITY CRITERIA

For candidates having 16-year non-business education [i.e., BE, MBBS, MA, M.Sc., and other equivalent qualifications from a recognized university/institution] will be required to qualify (minimum two semesters) at least 36 credit hours of Deficiency Business Courses to become eligible for admission towards MBA(Equ. to MS) / MS in Business Administration programs.

**DURATION: 1 year / 2 Semesters**

### COMPLETION REQUIREMENTS

To qualify Deficiency Semester, students are required to qualify each course with at least 50% marks.

## SPECIALIZATION CERTIFICATES

This program has been designed for graduates having 16 year of education in any discipline and intends to sharpen skills and enhance educational, academic and professional qualifications while minimizing the costs of their studies. This will also broaden a student's knowledge and increase career opportunities available in rapidly changing and competitive business environment.

### ASSESSMENT OF STUDY PROGRESS:

The evaluation of students' study progress for deficiency courses is based on continuous assessment throughout the semester by giving assignments, on-line quizzes, Graded Discussion Boards, mid-term and final-term examinations. The mid-term and final-term exams are conducted at VU's designated exam centers and usually count 80 to 85% of the total marks of a course.

### AREAS OF SPECIALIZATION

Students may select an area of specialization from the following groups.

- Banking
- Finance
- Human Resource Management
- Management
- Management Information System, and
- Marketing

#### BANKING

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
BNK601	Banking Laws & Practices	3	FIN621	Financial Statement Analysis	3
BNK603	Consumer Banking	3	FIN622	Corporate Finance	3
FIN625	Credit & Risk Management	3	FIN623	Taxation Management	3
MGT604	Management of Financial Institutions	3	FIN630	Investment Analysis & Portfolio Management	3

#### ADMISSION ELIGIBILITY CRITERIA

Candidate must have completed at least 16-year of education in any discipline from a recognized University/Institution.

Students already enrolled in a Virtual University degree/diploma program can enroll "Specializations Certificate" upon completion of their existing program.

**DURATION: 18 Weeks / 1 Semester**

#### AWARD OF CERTIFICATE

To become eligible for the award of Specialization Certificate, the students are required to **Pass or achieve at least D grade** in each course of the selected area of specialization.

#### HUMAN RESOURCE MANAGEMENT

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
HRM624	Conflict Management	3	MGMT623	Leadership & Team Management	3
HRM627	Human Resource Development	3	MGMT625	Change Management	3
MGMT611	Human Relations	3	MGMT628	Organizational Development	3
MGMT628	Organizational Development	3	MGT510	Total Quality Management	3

#### MANAGEMENT

#### MANAGEMENT INFORMATION SYSTEM

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
CS201	Introduction to Programming	3	MKT610	Customer Relationship Management	3
CS403	Database Management Systems	3	MKT621	Advertising & Promotion	3
CS610	Computer Network	3	MKT624	Brand Management	3
Cs615	Software Project Management	3	MKT630	International Marketing	3

#### MARKETING





## Faculty of Science & Technology

### Department of Bioinformatics & Computational Biology

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### Department of Biotechnology

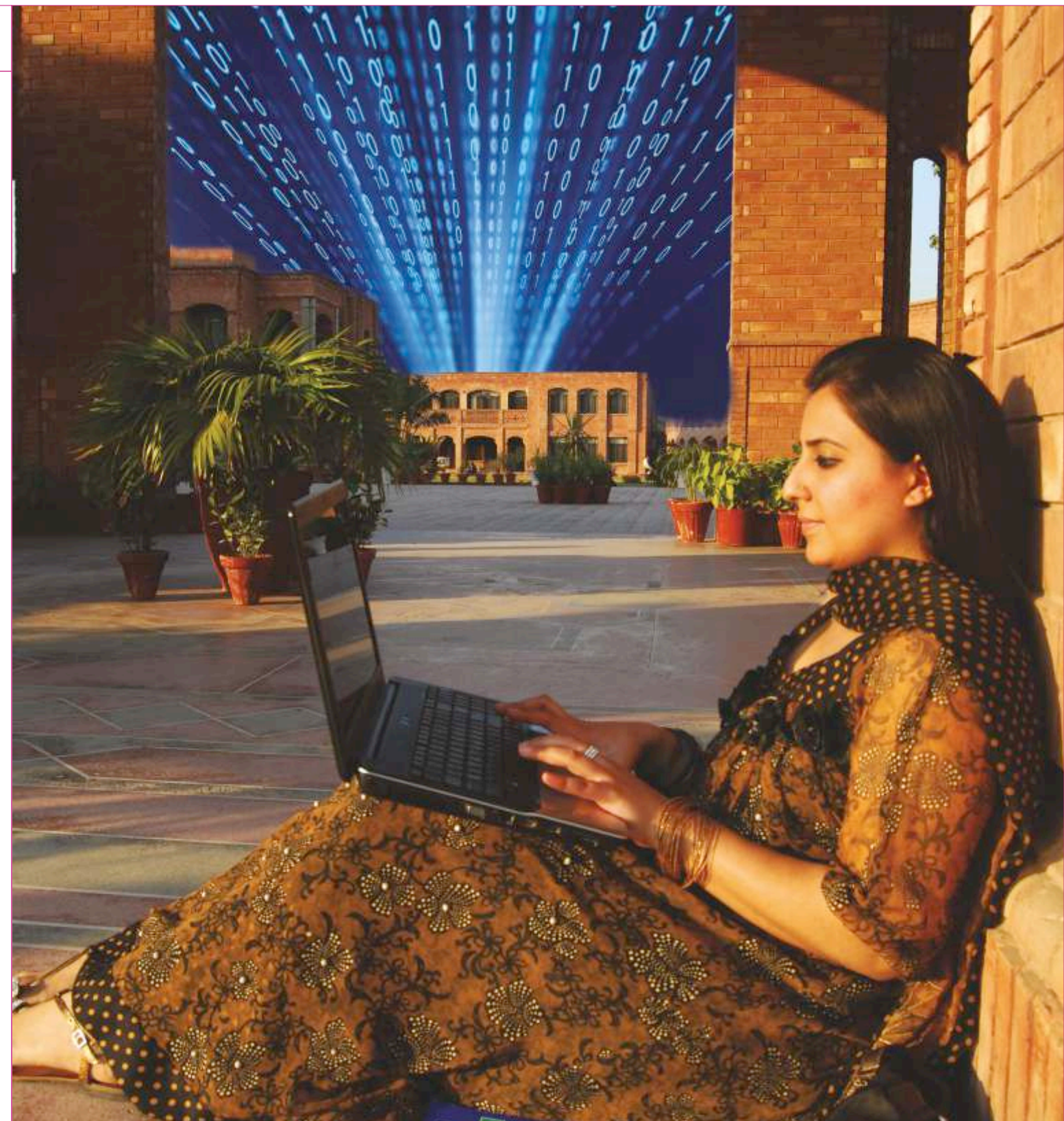
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#### NOTE

The Virtual University of Pakistan may add new course(s)/ subject(s) or replace existing ones at any time as a result of continuous review of scheme of studies of the programs in order to bring them at par with the courses being taught at top notch foreign universities. While reviewing the courses, needs of local industry and job markets are also given full consideration.



## MS BIOINFORMATICS

Master of Science in Bioinformatics is a research based degree program offered by the Department of Bioinformatics and Computational Biology. The field of Bioinformatics has emerged with a merger of biological science and computer science to help in storing, visualizing and interpreting the biological data. The program has been designed to equip the students with latest knowledge, tools and techniques to develop algorithms/tools for protein/homology modelling, generating protein sequences and structure alignments, simulators for constructing true alignments. The program aims at fulfilling the needs of educational and research institutions and the industry serving/ specializing in the fields of health and life sciences.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	4	12
Elective Courses	4	12
Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### DEFICIENCY COURSES

If the schedule of courses pursued by a candidate does not provide adequate background for the degree course, which he/she intends to take up, he/she is required to qualify the deficiency course(s) during their initial semester(s) prescribed by the University. Credit hours for deficiency courses are not counted towards calculation of CGPA and award of degree.

### THESIS

The students are required to submit a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the supervisor.

### ADMISSION ELIGIBILITY CRITERIA

16-year education i.e., BS/MSc in Zoology, Biology, Botany, BS in Biotechnology, Biological Sciences, Microbiology, Biochemistry, Environmental Sciences, Bioinformatics, Agriculture, Public health, MBBS, DVM or related sciences/ equivalent with at least 1st Division in annual system or at least CGPA 2.50 out of 4 in semester system.

Each candidate is required to pass the VU Entry Test with minimum 50% marks.

#### Note:

- Candidates having less than 1st division or CGPA below 2.50 out of 4, will be eligible for admission after successful completion of "Zero Semester".
- Limited seats are available on merit basis.
- **Only local students are eligible for admission as it is not available in overseas mode.**

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of MS in Bioinformatics degree, a student is required to complete at least 24-credit hour prescribed course work [maximum three courses from Computer Science domain] and 6-credit hour Thesis Research with minimum CGPA of 2.50.

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.
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### Semester No 0 (Deficiency Courses)

BIO301	Essentials of Genetics	3
BIO302	Molecular Biology	4
CS201	Introduction to Programming	3
CS403	Database Management Systems	3
CS502	Fundamentals of Algorithms	3

### Semester No 1

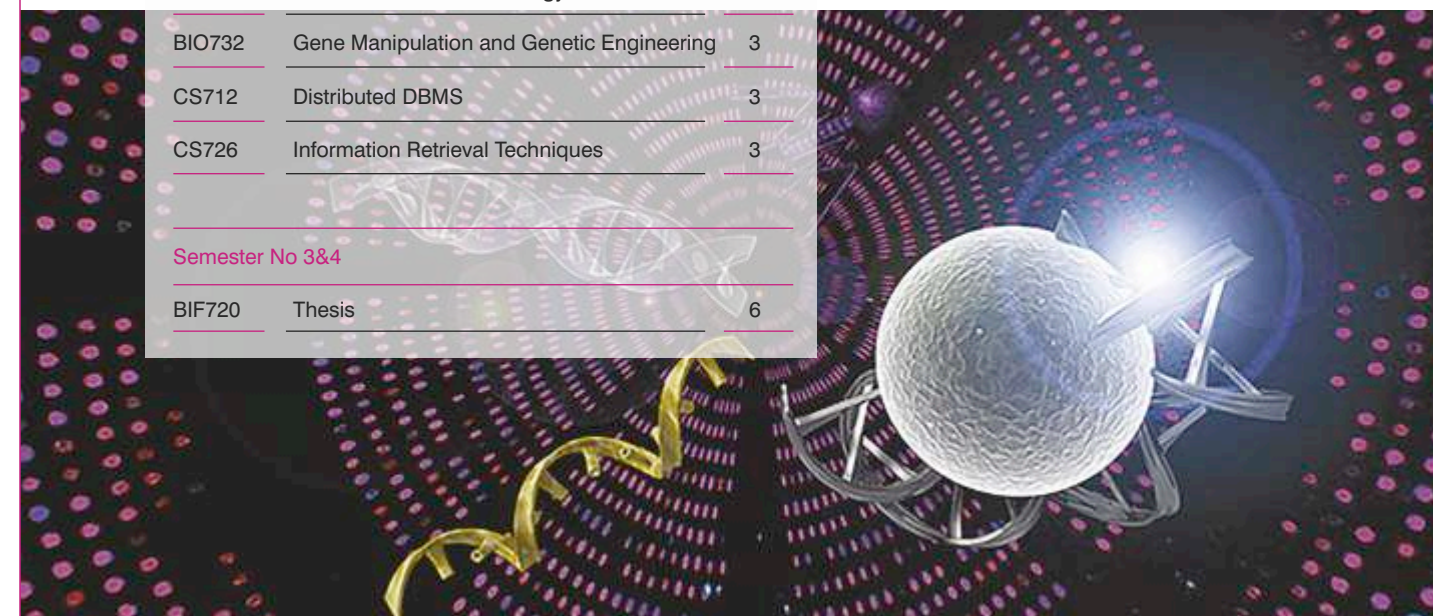
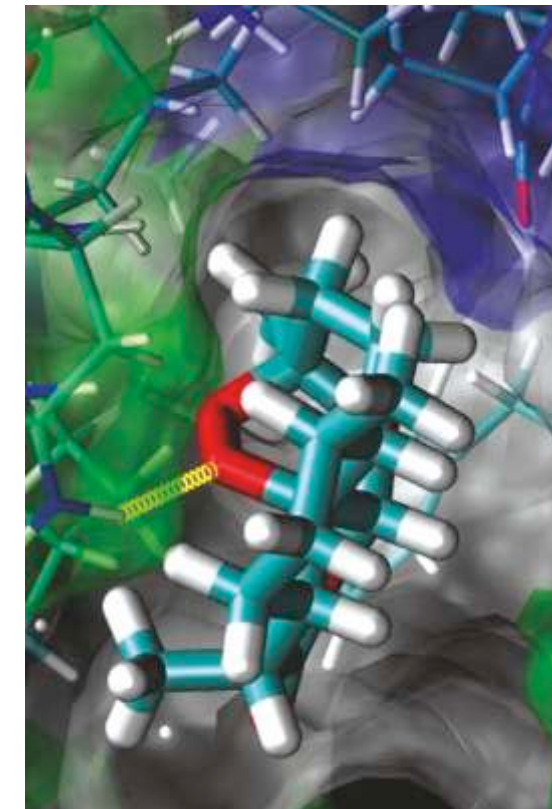
BIF731	Advanced Bioinformatics	3
BIF732	Advanced Computing Approaches	3
BIF733	Bioinformatics - I(Essentials of Genome Informatics)	3
CS702	Advanced Algorithms Analysis and Design	3

### Semester No 2

BIO731	Advanced Molecular Biology	3
BIO732	Gene Manipulation and Genetic Engineering	3
CS712	Distributed DBMS	3
CS726	Information Retrieval Techniques	3

### Semester No 3&4

BIF720	Thesis	6
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## BS BIOINFORMATICS

The Department of Bioinformatics & Computational Biology offers 4-year / 8-semester BS programs in Bioinformatics. The program consists of courses combined from the fields of Biology and Computer Science and aims to enable its students capable of collecting, linking, and manipulating different types of biological information to discover new biological insight while using the Information Technology they can translate raw biological data into knowledge. Bioinformatics is an emerging field which is playing a critical role in understanding biological data by providing quick information and opening new avenues for the graduates.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), course(s) practicals (wherein applicable), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	36	114
Elective Courses	4	12
Project	1	6
<b>Total</b>	<b>41</b>	<b>132</b>

### COURSE(S) PRACTICALS

Participation in practical classes of a course(s) will be compulsory for a student to qualify respective course(s) that will be conducted at only VU designated laboratories i.e. VKHI01: Karachi, VLHR03: Lahore, VMTN01: Multan, and VRWP01: Rawalpindi.

### AWARD OF DEGREE

To become eligible for the award of BS in Bioinformatics degree, a student is required to complete at least 132 credit hours course work including practical and Project worth 6 credit hours with minimum CGPA of 2.00.

### ADMISSION ELIGIBILITY CRITERIA

Candidates having at least 45% marks in Intermediate (12 years of education) with Pre-Engineering/ Pre-Medical/ Computer Science.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. ([www.ibcc.edu.pk](http://www.ibcc.edu.pk))
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".
- Only local students are eligible for admission as it is not available in overseas mode.

### DURATION: 4 years / 8 Semesters

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
ENG101	English Comprehension	3+0
ELC101	Biology / Mathematics	3+0
BIO102	Chemistry / Introduction to Computing	3+0
PAK301	Pakistan Studies	2+0
ISL201	Islamic Studies / Ethics (For Non Muslims)	1+0

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 2</b>					
BIO201	Basic Cell Biology	3+1	BIF501	Bioinformatics – II	3+0
CS201	Introduction to Programming	3+0	BIO502	Genomics	3+0
MTH203	Basic Calculus	3+0	<b>Semester No 6</b>		
BIO202	Biochemistry – I	3+1	BIF601	Bioinformatics Computing - I	3+0
ENG201	Business and Technical English Writing	3+0	CS620	Modelling & Simulation	3+0
<b>Semester No 3</b>					
MTH302	Linear Algebra & Differential Equations	3+0	BIO601	Proteomics	3+0
BIO301	Essentials of Genetics	2+1	CS621	Graphics & Visualization	3+0
BIO302	Molecular Biology	3+1	CS622	Web Design & Development	3+0
CS305	Fundamentals of Algorithms	3+0	XYZ---	Elective – I	3+0
CS304	Object Oriented Programming	3+0	<b>Semester No 7</b>		
ENG301	Business Communication	3+0	BIO701	Bioinformatics Computing - II	3+0
<b>Semester No 4</b>					
BIF401	Bioinformatics – I	3+0	CS701	Artificial Intelligence	3+0
BIO401	Biostatistics	3+0	BIO619	Research Project	0+3
BIO402	Biochemistry – II	3+1	XYZ---	Elective - II	3+0
BIF402	Ethical & Legal Issues in Bioinformatics	2+0	XYZ---	Elective - III	3+0
CS401	Data Structure	3+0	<b>Semester No 8</b>		
CS411	Visual Programming	3+0	BIF801	Bioinformatics Software Engineering	3+0
<b>Semester No 5</b>					
MTH501	Discrete Mathematics	3+0	BIF802	Special Topics in Bioinformatics	3+0
BIO501	Research Methodology	2+0	BIO619	Research Project	0+3
CS501	Database Management Systems	3+0	XYZ—	Elective IV	3+0

#### Note:

List of Elective Courses is Available on VU Website.

## MS ZOOLOGY

The Department of Biology offers MS program in Zoology which has been designed to address the future challenges to our World and preparing the graduates to help in identifying and suggesting solutions for either stopping or at least slowing down those process of rapid change taking place. The program aims to develop researchers to serve in universities, Institutes for ecology, environmental agencies, healthcare, molecular biology, conservation & forest management, climate change, scientific publishing, public education (zoos, museums, nature reserves, scientific societies etc.), biomedical sciences, diagnosing genetic disorders, National Institute of Oceanography, Wildlife Conservation and Management, Public and Private Sectors, Forensic Department, Environmental Institutions and Pathological Laboratories.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	2	6
Elective Courses	6	18
Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### DEFICIENCY COURSES

If the schedule of courses pursued by a candidate does not provide adequate background for the degree course, which he/she intends to take up, he/she is required to qualify the deficiency course(s) during their initial semester(s) prescribed by the University. Credit hours for deficiency courses are not counted towards calculation of CGPA and award of degree.

### THESIS

The students are required to submit a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the supervisor.

### ADMISSION ELIGIBILITY CRITERIA

16-year education i.e., BS/ M.Sc. Zoology/ Biology/ BS (Biotechnology/ Microbiology/ Environmental Sciences/ Bioinformatics/ Biochemistry/ Forestry/ Agriculture/ Public Health or in related sciences/ MBBS/ DVM etc.) or equivalent with at least 1st Division or CGPA of 2.50 out of 4.

Each candidate is required to pass the VU Entry Test with minimum 50% marks.

#### Note:

- Candidates having less than 1st division or CGPA below 2.50 out of 4, will be eligible for admission after successful completion of "Zero Semester".
- Limited seats are available on merit basis.
- **Only local students are eligible for admission as it is not available in overseas mode.**

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of MS in Zoology degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hour Thesis Research with minimum CGPA of 2.50.

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
BIO731	Advanced Molecular Biology	3
BIO732	Gene Manipulation and Genetic Engineering	3
BIF731	Advanced Bioinformatics	3
BT731	Modern Biotechnology: Principles & Applications	3

### Semester No 2

XYZ--	Applied Biostatistics	3
XYZ--	Advanced Analytical Techniques	3
XYZ--	Advances in Cell Biology	3
BIF732	Advanced Computing Approaches	3

### Semester No 3 & 4

BIF721	Thesis	6
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## MS GENETICS

MS in Genetics degree program is designed to provide a practical coverage of modern genetics directing on the organization, inheritance, expression and evolution of genes in organisms extending from bacteria to human. It is an important branch of biology that helps to unleash the information encrypted in DNA, inheritance and helps to find out how to avoid hereditary diseases, explore evolution and study biodiversity/variation in living organisms by studying DNA and genes and their interactions. It has plenty of practical applications like understanding the genetic basis behind the human genetic disorders; better understanding of evolution of species, forensics, legal implications and genetic enhancement of abilities. The trained manpower in this field is the need of time all over the world. The students get their jobs in academics, clinical research institutes, pharmaceutical industry, diagnostics, research laboratories, hospitals and as self-employed in genetic counseling practices etc.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	4	12
Elective Courses	4	12
Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### DEFICIENCY COURSES

If the schedule of courses pursued by a candidate does not provide adequate background for the degree course, which he/she intends to take up, he/she is required to qualify the deficiency course(s) during their initial semester(s) prescribed by the University. Credit hours for deficiency courses are not counted towards calculation of CGPA and award of degree.

### THESIS

The students are required to submit a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the supervisor.

### ADMISSION ELIGIBILITY CRITERIA

16-year education i.e., BS/ M.Sc. Zoology/ Biology/ Botany/ BS (Biotechnology/ Microbiology/ Environmental Sciences/ Bioinformatics/ Biochemistry/ Forestry/ Agriculture/ Public Health or in related sciences/ MBBS/ DVM etc.) or equivalent with at least 1st Division or CGPA of 2.50 out of 4.

Each candidate is required to pass the VU Entry Test with minimum 50% marks.

#### Note:

- Candidates having less than 1st division or CGPA below 2.50 out of 4, will be eligible for admission after successful completion of "Zero Semester".
- Limited seats are available on merit basis.
- **Only local students are eligible for admission as it is not available in overseas mode.**

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of MS in Genetics degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hour Thesis Research with minimum CGPA of 2.50.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
BBIO731	Advanced Molecular Genetics	3
BIF701	Bioinformatics	3
XYZ---	Advanced Cytogenetics	3
XYZ---	Biometrical Techniques in Genetics	3
<b>Semester No 2</b>		
BT732	Genetics & Genomics	3
BT733	Biosafety, Biosecurity & Bioethics	3
BIO732	Gene Manipulation & Genetic Engineering	3
XYZ---	Evolutionary Genetics	3
<b>Semester No 3 &amp; 4</b>		
GEN721	Thesis	6

## MS MOLECULAR BIOLOGY

Molecular Biology is a branch of science which explores cellular structures, characteristics and pays special attention to the molecules which control cell activities and growth etc. The field of molecular biology bridges biology & chemistry particularly genetics & biochemistry. There is hardly any area in biological advancement that is not influenced by molecular biology techniques. The students will get the opportunity to conduct a specific research project during the MS degree. This degree can serve as a link for candidates pursuing higher education towards Ph.D. The graduates will be able to work in organizations like pharmaceuticals, diagnostic laboratories, biologics production units, biosecurity & biosafety departments, accreditation labs, teaching as well as research organizations.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	4	12
Elective Courses	4	12
Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### DEFICIENCY COURSES

If the schedule of courses pursued by a candidate does not provide adequate background for the degree course, which he/she intends to take up, he/she is required to qualify the deficiency course(s) during their initial semester(s) prescribed by the University. Credit hours for deficiency courses are not counted towards calculation of CGPA and award of degree.

### THESIS

The students are required to submit a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the supervisor. The research can be conducted in VU own laboratories at i.e. VKHI01: Karachi, VLHR03: Lahore, VMTN01: Multan, and VRWP01: Rawalpindi or any other designated lab by the university. Thesis will be submitted as per VU approved format.

### ADMISSION ELIGIBILITY CRITERIA

The 16-year education i.e. BS/MSc in Molecular Biology/ Biotechnology/ Genetics/ Biological Sciences or equivalent with at least 1st Division in annual system or at least CGPA 2.50 out of 4 in semester system.

Each candidate is required to pass the VU Entry Test with minimum 50% marks.

#### Note:

- Candidates having less than 1st division or CGPA below 2.50 out of 4, will be eligible for admission after successful completion of "Zero Semester".
- Only local students are eligible for admission as it is not available in overseas mode.

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of MS in Molecular Biology degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hour Thesis Research with minimum CGPA of 2.50 out of 4.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
BIF733	Bioinformatics I (Essentials of genome informatics)	3
BIO731	Advanced Molecular Biology	3
BIO732	Gene Manipulation and Genetic Engineering	3
BT733	Bioethics, Biosecurity and Biosafety	3
<b>Semester No 2</b>		
BIO733	Applied Biostatistics	3
BIO734	Advances in Cell Biology	3
BT732	Genetics & Genomics	3
BT734	Research Methods in Biotechnology	3
<b>Semester No 3 &amp; 4</b>		
MB 720	Thesis	6



## M.Sc. ZOOLOGY

M.Sc. Zoology is designed to meet the challenges presented by the rapidly changing world. Zoology is an interdisciplinary field that involves the scientific learning of all facets of animal life ranging from microscopic single-celled organisms to complex multicellular organisms. Zoology plays an important part in food security, human resource development, environmental conservation, sustainable development and eventually in mitigation of poverty. The aim of the M.Sc. Program is to prepare the students to conduct experiments and projects using scientific methods and instrumentation, and to solve problems in the domain of Zoology so that they may play vital role for the betterment of the country.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	18	60
Research Thesis	1	6
<b>Total</b>	<b>19</b>	<b>66</b>

### COURSE(S) PRACTICALS

Participation in practical classes of a course(s) will be compulsory for a student to qualify respective course(s) that will be conducted at only VU designated laboratories i.e. VKHI01: Karachi, VLHR03: Lahore, VMTN01: Multan, and VRWP01: Rawalpindi.

### THESIS

The students are required to submit a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the supervisor. The research can be conducted in VU own laboratories at i.e. VKHI01: Karachi, VLHR03: Lahore, VMTN01: Multan, and VRWP01: Rawalpindi or any other designated lab by the university. Thesis will be submitted as per VU approved format.

### ADMISSION ELIGIBILITY CRITERIA

Candidates having Bachelor's degree (14-year education) i.e. B.Sc. 2-year program with Zoology or any other related/ equivalent subject with at least 45% marks in annual system or CGPA of at least 2.00 out of 4 in semester system are eligible to apply.

#### Note:

- Only local students are eligible for admission as it is not available in overseas mode.

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

For the award of M.Sc. Zoology degree, a student is required to qualify prescribed courses amounting to at least 60 credit hours and 06 credit hours of thesis research with a minimum CGPA of 2.00 out of 4.



## SCHEME OF STUDIES

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 1</b>			<b>Semester No 3</b>		
BIO201	Cell Biology	4(3-1)	BIF501	Bioinformatics - II	4(2-2)
BIO202	Biochemistry - I	4(3+1)	BT102	Microbiology	3(2+1)
BIO302	Molecular Biology	4(3-1)	ZOO-	Animal Physiology and Behavior	4(3-1)
BIO301	Essentials of Genetics	3(2-1)	ZOO-	Developmental Biology	3(2-1)
MTH100	General Mathematics	3(3-0)	ZOO-	Research Methods in Biology	3(2-1)
<b>Semester No 2</b>			<b>Semester No 4</b>		
BIF401	Bioinformatics - I	3(3+0)	ZOO-	Zoogeography and Paleontology	3(3-0)
BT101	Ecology, Biodiversity & Evolution	3(3+0)	ZOO-	Wildlife	3(3-0)
BIT301	Introduction to Biotechnology	3(3+0)	ZOO-	Seminar	1(0-1)
CS101	Introduction to Computing	3(3-0)	ZOO-	Research	6(0-6)
STA301	Statistics and Probability	3(3-0)			
ZOO—	Limnology	3(3-0)			

## Ph.D BIOTECHNOLOGY

The Ph.D in Biotechnology is intended to train professionals in research in all fields of biotechnology. It is a domain of applied biology that uses living organisms and bioprocesses to produce products to gratify the human needs. The aim of higher studies in Biotechnology is to equip the students with theoretical and practical skills that are essential to transform natural resources into useful products and completing original and innovative high quality research projects in the national and international enterprises. The scholars may seek their career in educational institutes, scientific research institutes, biotechnology and pharmaceutical industry at national and international level.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), term papers etc., mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Elective Courses	6	18
Thesis	1	12
<b>Total</b>	<b>7</b>	<b>30</b>

### DEFICIENCY COURSES

If the schedule of courses pursued by a candidate does not provide adequate background for the degree course, which he/she intends to take up, he/she is required to qualify the deficiency course(s) during their initial semester(s) prescribed by the University. Credit hours for deficiency courses are not counted towards calculation of CGPA and award of degree.

### THESIS

The students are required to submit a Research Thesis worth 12-credit hours. Topic of the thesis must be decided after consultation with the supervisor.

### ADMISSION ELIGIBILITY CRITERIA

18-year education i.e., MS/ M.Phil in Biotechnology/Biological Sciences/ Bioinformatics or equivalent with minimum CGPA 3.0 out of 4.0 or 1st Division.

Each candidate is required to pass the VU Entry Test with minimum 70% marks/ 60% marks in GRE Subject along with interview and presentation.

#### Note:

- Limited seats are available on merit basis.
- Only local students are eligible for admission as it is not available in overseas mode.

### AWARD OF DEGREE

For the award of the PhD in Biotechnology degree, students are required to complete 18 credits of course work with minimum CGPA of 3. The students also have to:

- pass written and oral comprehensive examinations securing minimum 60% marks with maximum two attempts
- Defend PhD research proposal after completion of 18 credit hours of course
- Get published minimum one first author research paper in HEC recognized journal and
- Present/ read one first author research paper in a national/international conference
- Get approved dissertation by two foreign experts.

## SCHEME OF STUDIES

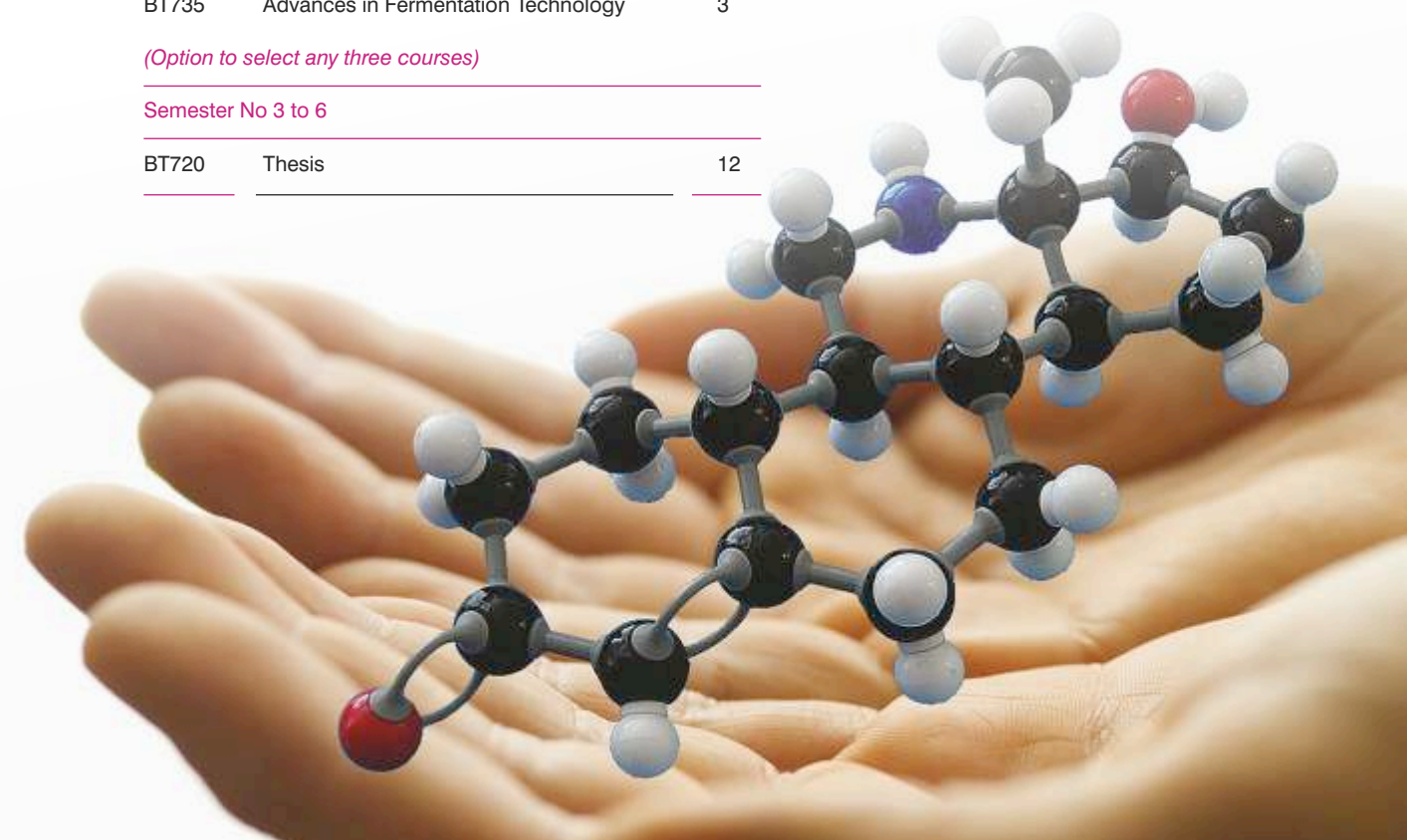
Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
BT731	Modern Biotechnology: Principles & Applications	3
BT733	Bioethics, Biosecurity and Biosafety	3
BT732	Genetics and Genomics	3
BIO732	Gene Manipulation and Genetic Engineering	3

(Option to select any three courses)

<b>Semester No 2</b>		
BIO731	Advanced Molecular Biology	3
BT734	Research Methods in Biotechnology	3
BIF731	Advanced Bioinformatics	3
BT735	Advances in Fermentation Technology	3

(Option to select any three courses)

<b>Semester No 3 to 6</b>		
BT720	Thesis	12



## MS BIOTECHNOLOGY

MS in Biotechnology degree program is designed to gratify the needs of a multi-disciplinary and swiftly developing industry. Biotechnology affects a lot of facets of our daily lives such as food, crops, medicine, health and environment. The aim of the MS program is to equip students with the modern techniques so that they can play a key role in improving the ways of daily lives. The students may seek their career in educational institutes, scientific research, development, management in biotechnology, vaccines and pharmaceutical industry. They will also have expertise to critically analyze biological data using various computational techniques and tools.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), mid-term and final-term examinations.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	4	12
Elective Courses	4	12
Thesis	1	6
<b>Total</b>	<b>9</b>	<b>30</b>

### DEFICIENCY COURSES

If the schedule of courses pursued by a candidate does not provide adequate background for the degree course, which he/she intends to take up, he/she is required to qualify the deficiency course(s) during their initial semester(s) prescribed by the University. Credit hours for deficiency courses are not counted towards calculation of CGPA and award of degree.

### THESIS

The students are required to submit a Research Thesis worth 6-credit hours. Topic of the thesis must be decided after consultation with the supervisor.

### ADMISSION ELIGIBILITY CRITERIA

16-year education i.e., BS/ M.Sc. Zoology/ Biology/ Botany/ BS (Biotechnology/ Microbiology/ Environmental Sciences/ Bioinformatics/ Biochemistry/ Forestry/ Agriculture/ Public Health or in related sciences/ MBBS/ DVM etc.) or equivalent with at least 1st Division or CGPA of 2.50 out of 4.

Each candidate is required to pass the VU Entry Test with minimum 50% marks.

#### Note:

- Candidates having less than 1st division or CGPA below 2.50 out of 4, will be eligible for admission after successful completion of "Zero Semester".
- Limited seats are available on merit basis.
- **Only local students are eligible for admission as it is not available in overseas mode.**

**DURATION: 2 years / 4 Semesters**

### AWARD OF DEGREE

To become eligible for the award of MS in Biotechnology degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hour Thesis Research with minimum CGPA of 2.50.

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
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#### Semester No 1

BT731	Modern Biotechnology: Principles & Applications	3
BT733	Bioethics, Biosecurity and Biosafety	3
BT732	Genetics and Genomics	3
BIO732	Gene Manipulation & Genetic Engineering	3

#### Semester No 2

BIO731	Advanced Molecular Biology	3
BT734	Research Methods in Biotechnology	3
BIF731	Advanced Bioinformatics	3
BT735	Advances in Fermentation Technology	3

#### Semester No 3 & 4

BIF721	Thesis	6
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## BS BIOTECHNOLOGY

Biotechnology is the application of scientific and engineering principles to the processing of material by biological agents to deliver goods and services. Biotechnological applications play an important role in health industry, agriculture and environment and are helpful in making life of human beings peaceful and comfortable. The aim of BS in Biotechnology is to develop indigenous manpower in Biotechnology that will help the industry of biotechnology by making novel achievements. The students may seek their career in educational institutes, scientific research and development, diagnostics, industry and pharmaceutical sector.

### ASSESSMENT OF STUDY PROGRESS

The students study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, quizzes, Graded Discussion Boards (GDBs), course(s) practicals (wherein applicable), mid-term and final-term examinations at VU designated campuses and usually count for 80 to 85% of the total marks for a course.

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	44	126
Project	1	6
<b>Total</b>	<b>45</b>	<b>132</b>

### COURSE(S) PRACTICALS

Participation in practical classes of a course(s) will be compulsory for a student to qualify respective course(s) that will be conducted at only VU designated laboratories i.e. VKHI01: Karachi, VLHR03: Lahore, VMTN01: Multan, and VRWP01: Rawalpindi.

### AWARD OF DEGREE

To become eligible for the award of BS in Biotechnology degree, a student is required to complete at least 132 credit hours course work including practical and Project worth 6 credit hours with minimum CGPA of 2.00.

### ADMISSION ELIGIBILITY CRITERIA

Candidates having at least 45% marks in Intermediate (12 years of education) with Pre-Medical.

#### Note:

- Candidates having 'A' levels are required to provide equivalence certificate from Inter Board Committee of Chairman (IBCC), Islamabad. (<http://www.ibcc.edu.pk>)
- Only local students are eligible for admission as the program is not offered in overseas mode.
- Candidates having less than 45% marks will be eligible for admission after successful completion of "Zero Semester".

### DURATION: 4 years / 8 Semesters

### SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
CS101	Introduction to Computing	3+0
ENG101	English Comprehension	3+0
MGT301	Principles of Marketing	3+0
MGT501	Human Resource Management	3+0
MTH100	General Mathematics	3+0
PAK301	Pakistan Studies	2+0
ISL201	Islamic Studies / Ethics (For Non-Muslims)	1+0

Code	Title	Cr. Hrs.	Code	Title	Cr. Hrs.
<b>Semester No 2</b>					
BIO201	Cell Biology	3+1	BT302	Immunology	3+0
BIO202	Biochemistry-I	3+1	STA301	Statistics and Probability	3+0
BIO302	Molecular Biology	3+1	<b>Semester No 6</b>		
BT102	Microbiology	2+1	BT401	Genetic Resources & Conservation	3+0
CHE101	Organic Chemistry	2+1	BT402	Microbial Biotechnology	3+0
<b>Semester No 3</b>					
BIO206	Biomathematics	3+0	BT403	Agriculture Biotechnology	3+0
BT101	Ecology, Biodiversity & Evolution-I	3+0	BT404	Food Biotechnology	3+0
BT301	Introduction to Biotechnology	3+0	BT406	Research Methodology & Skill Enhancement	3+0
CHE201	Physical Chemistry	3+0	BT405	Nano Biotechnology	3+0
ENG201	Business and Technical English Writing	3+0	<b>Semester No 7</b>		
ENG301	Business Communication	3+0	BT501	Health Biotechnology	3+0
<b>Semester No 4</b>					
BIO303	Biochemistry II	3+1	BT503	Environment Biotechnology	3+0
BIO203	Methods in Molecular Biology	1+2	BT504	Genomics and Proteomics	3+0
BIO204	Principles of Biochemical Engineering	2+1	BT505	Biosensors	3+0
BIO301	Essentials of Genetics	2+1	BT502	Seminar-I	1+0
CHE301	Analytical Chemistry & Instrumentation	2+1	BT619	Research Project	0+3
BT605	Biosafety & Bioethics	2+0	<b>Semester No 8</b>		
<b>Semester No 5</b>					
BIF401	Bioinformatics - I	3+0	BT604	Industrial Biotechnology	3+0
BIO503	Biological Physics	3+0	BT601	Virology	3+0
BT201	Ecology, Biodiversity & Evolution - II	3+0	BT603	Fermentation Technology	3+0
<b>Semester No 6</b>					
<b>Semester No 7</b>					
<b>Semester No 8</b>					
<b>Semester No 9</b>					
<b>Semester No 10</b>					



## MASTER OF SCIENCE IN MATHEMATICS [With Thesis OR Course Work]

Department of Mathematics and Statistics offers Master of Science in Mathematics which is a research based degree program. Mathematics as a subject has found tremendous acknowledgement in almost all areas of sciences and humanities. The program is designed for students' needs and interests, with either a thesis or course work option. Mathematical techniques have been found very effective in decision making, which has increased its demand in different fields. This program serves as a bridge for candidates pursuing PhD program.

### ASSESSMENT OF STUDY PROGRESS:

Students' study progress is evaluated continuously throughout the semester using the assessment tools as described below. The mid-term and final-term exams are conducted at VU's designated exam centers.

Summary of Courses		
Course Type	No of Courses	Cr Hrs.
Required Courses	4	12
Elective Courses	4	12
Thesis OR Courses	1 / 2	6
<b>Total</b>	<b>9</b>	<b>30</b>

### ADMISSION ELIGIBILITY CRITERIA

Candidates having 16-year education, i.e. M.Sc. Mathematics (2-year) or BS Mathematics (4-year) or equivalent with at least CGPA 2.50 out of 4 or 1<sup>st</sup> division wherein GPA system is not implemented.

#### Note:

- Each candidate is required to pass the University's Entry Test (with minimum 50% marks).

**DURATION: 2 years / 4 Semesters**

## SCHEME OF STUDIES

Code	Title	Cr. Hrs.
<b>Semester No 1</b>		
MTH704	Computational Software's for Mathematics	3
MTH706	Advanced Linear Algebra	3
CS723	Probability and Stochastic Processes	3

### Semester No 2

MTH701	Advanced Differential Equations	3
MTH730	Advanced Research Methods for Mathematics	3
MTH748	Topics in Numerical Methods	3

Code	Title	Cr. Hrs.
<b>Semester No 3</b>		
MTH720	Thesis	6
MTH753	Advanced Fluid Dynamics	3

### Semester No 4

MTH721	Commutative Algebra	3
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## AWARD OF DEGREE

**Thesis Track:** To become eligible for the award of MS in Mathematics degree, a student is required to complete at least 24-credit hour prescribed course work and 6-credit hour Thesis Research with minimum CGPA of 2.50 out of 4.

### OR

**Course Work Track:** To become eligible for the award of MS in Mathematics degree, a student is required to complete at least 30-credit hour prescribed course work with minimum CGPA of 2.50 out of 4.

## GUIDELINES FOR THESIS ENROLLMENT:

- A merit list will be calculated before the start of course selection in each semester for the students. The basic criteria for the merit will be the completion of minimum 18 MS level credit hours with CGPA  $\geq 2.75$ . Limited number of seats on merit will be offered to enroll thesis research. In case, a student, eligible for the thesis, opts to take the course work-only then the next student in the merit list will be offered the choice to enroll thesis research.
- After enrolling Thesis Research, a student may decide at any stage switch to the course work-only option.



## ZERO SEMESTER FOR UNDERGRADUATE PROGRAMS

The Virtual University of Pakistan has introduced Zero Semester for the candidates seeking admission to Diploma, Associate Degree, Bachelor (2 or 4 Year) or Masters programs (equivalent to 16 years of education) who have passed the prescribed examinations, as per admission eligibility criteria, but failed to achieve requisite percentage of marks or CGPA. Upon qualifying Zero Semester courses in a single semester, such candidates can become eligible to apply for admission towards their desired study program.

### ASSESSMENT OF STUDY PROGRESS

The continuous study progress mechanism includes assignments, on-line quizzes, Graded Discussion Boards (GDBs), mid-term and final term exams

Summary of Courses		
Course Type	No. of Courses	Credit Hours
Required Courses	3	7
<b>Total</b>	<b>3</b>	<b>7</b>

### LIST OF COURSES

Code	Title	Cr. Hrs.
Semester No 1		
MTH001	Elementary Mathematics	2
ENG001	Elementary English	2
CS001	Computer Proficiency	3

## ZERO SEMESTER FOR MS PROGRAMS

The Zero Semester for following MS Programs has been introduced to provide an opportunity to deprived candidates who have earned their required degrees as prescribed in admission eligibility criteria for respective MS programs but do not fulfill either the minimum CGPA requirement i.e. 2.50 out of 4 or 1st division:

### LIST OF PROGRAMS

- |  |                         |
|--|-------------------------|
| 1. MS Business Administration / Master of Business Administration (equivalent to MS) | 5. MS Zoology           |
| 2. MS Bioinformatics   | 6. MS Molecular Biology |
| 3. MS Biotechnology  | 7. MS Computer Science  |
| 4. MS Genetics   |                         |

Note: Complete detail about courses of above mentioned programs is available on University's website.

### ADMISSION ELIGIBILITY CRITERIA

Candidates having less than 45% marks or Cumulative Grade Point Average (CGPA) will be eligible for admission.

**DURATION: 18 Weeks / 1 Semester**

### VALIDITY

Zero Semester, once qualified will remain valid for all subsequent admissions.



## CERTIFICATE COURSES

The Virtual University has introduced Certificate Course(s) for professionals working in the industry as well as for the public at large. The purpose is to retain professionals in new emerging areas of Science & Technology as well as provide the public with an opportunity to learn basic subjects which may be of general interest. Certificate Courses are offered in following disciplines: Computer Science, Education, General Science, Humanities, Management and Mathematics.

### ASSESSMENT OF STUDY PROGRESS

The students' study progress evaluation mechanism is based on continuous assessment throughout the semester by giving assignments, online quizzes, Graded Moderated Discussion Boards (GMDBs), mid-term and final term examinations.

### EDUCATIONAL MATERIAL

The University mails a package of educational material comprising Lecture handouts and Lecture DVD's to the admitted candidates. Students are allowed to change enrolled certificate course(s) within fifteen days after the commencement of semester. In such cases the students will be required to submit an application (signed hard copy) giving valid reason/ justification for the change to the Registrar, Virtual University of Pakistan, M.A Jinnah Campus, Defence Road, Off Raiwind Road, Lahore, Pakistan. Such students are required to return the received package (if already delivered) to the university via post/ courier along with payment of Rs.100/- as shipment charges. Upon receipt of the said package, the university will send the study material of revised/ changed courses. Overseas students are required to pay actual additional shipment charges for newly opted course.

Note: Complete list of Certificate Courses is available on University's website.

### ADMISSION ELIGIBILITY CRITERIA

- Candidates who can read, write and understand English language.
- There is no restriction on age, gender and educational qualifications.
- Maximum four (04) courses can be enrolled during a semester.

Note:

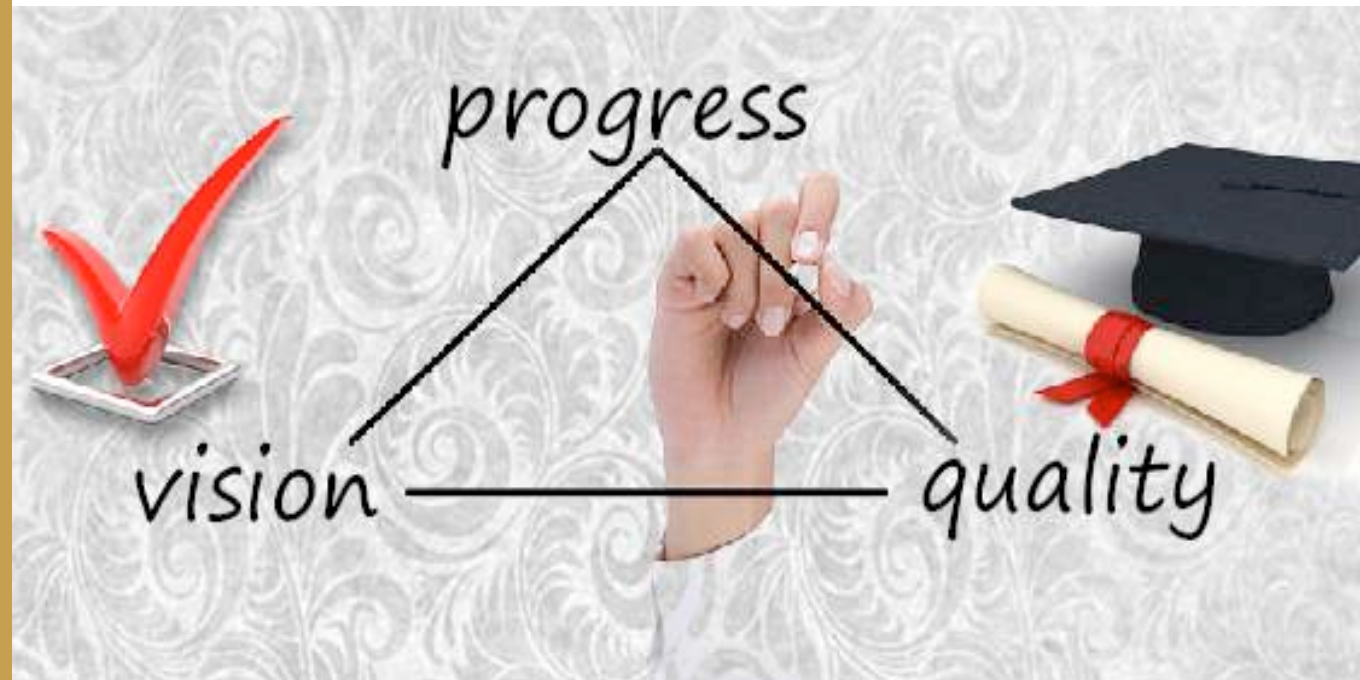
- Students already enrolled in a Virtual University degree/diploma program are ineligible for admission towards certificate course(s).

**DURATION: 18 Weeks / 1 Semester**

### AWARD OF CERTIFICATE

Each Certificate Course is of three credit hours (except Islamic Studies and Pakistan Studies). The earned course credit hours are transferable towards degree/diploma program of the University.

# Directorate of Quality Enhancement



The quality of education is one of the major challenges faced by the universities now-a-days. In order to meet this challenge, Quality Assurance Agency (QAA) of Higher Education Commission (HEC), Pakistan requires establishment of Quality Enhancement Cells (QECs) in all universities and institutes of higher education. To comply with the requirement of HEC, Directorate of Quality Enhancement (DQE) was established in November 2010.

Since its inception, DQE is working hard to enhance the quality of its processes and services. Its functions are broadly categorized with respect to internal and external Quality Assurance (QA) measures. However, DQE is responsible to

conduct self-assessment of academic programs to assess whether its programs meet their intended objectives and outcomes so as to improve quality of programs and enhance students' learning. With the help of this process, the employers may determine if the specified programs inculcate the necessary skills in students that help them perform well on their jobs. Finally, the process enables the faculty to determine weaknesses in the programs and helps formulate appropriate strategies to meet the deficiencies. Hence, delivery methods and teaching methodologies can be re-visited.

DQE is involved in accreditation of academic programs through relevant councils to ensure

that a set of specific standards are followed in the programs offered by the University. It collaborates with HEC for Institutional Performance Evaluation (IPE) with the aim to evaluate the system thoroughly to identify its strengths and weaknesses for improvement in processes and practices.

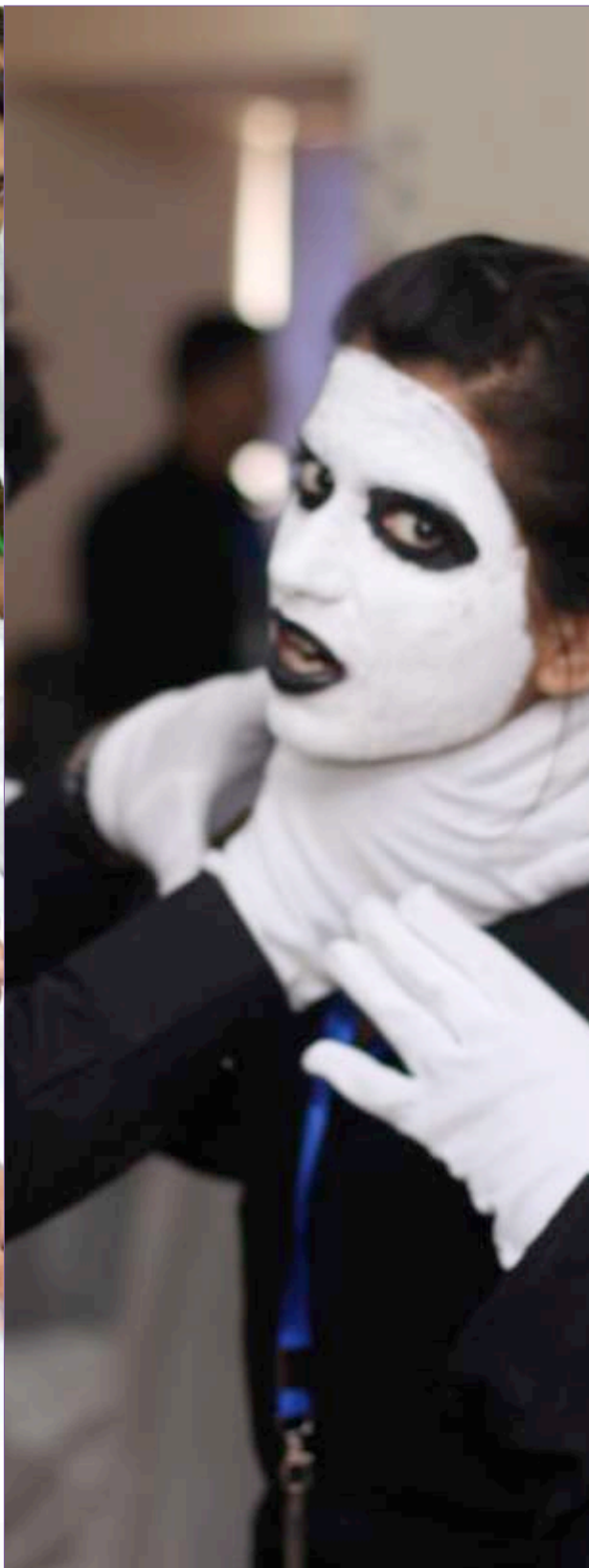
DQE carries out mandatory surveys as per HEC's requirement to evaluate the effectiveness of its contents and faculty. In this context, 'Student Course Evaluation' is conducted to evaluate the contents of the courses from students' perspective. 'Faculty Course Review' is conducted upon completion of a course to gather information about the course material and students' assessment. 'Teacher Evaluation Form' is filled by the students to provide feedback about the teacher and teaching methodology.

DQE participates and organizes events such as workshops, seminars, and conferences on QA to learn and share good practices. It helps in development and implementation of QA procedures for major functional areas of the

University for Strict Compliance. It makes endeavors to raise the curricula standards at national and international levels in order to enhance employability of the students in the job market. It collaborates with national and international institutions so that students and faculty can be benefitted by linkages with educational and research organizations. It is engaged in development of the University's annual report to bring to light the activities and achievements in all the functional areas.

DQE has consistently achieved top most 'W' category for the years 2012, 2013, and 2014. In addition, it has attained the membership of three international and two national institutions as per requirement of HEC. It has carried out self-assessment of eighteen (18) programs offered by the University. The concerted efforts are still underway to achieve excellence in teaching-learning processes through continuous improvement.





## Extra-Curricular Activities

The Virtual University of Pakistan has its presence in more than 100 cities of the Country which makes it a true challenge for the University to hold extra-curricular activities but the University has managed to take it students beyond the book.



## Life at VU

There is a lot besides books and journals that VU has to unfold. To promote students' talent beyond the classroom, an exciting platform of student societies exists at Virtual University of Pakistan. To develop confidence and leadership qualities among students by triggering their talent, societies/clubs are performing their roles by engaging students in activities they would put their heart in to perform. We, at every campus, try our best to contribute significantly to build healthy minds in healthy bodies.

## Clubs and Societies

The following clubs and societies are fully functional and plan variety of events for the students:

### Camera Club

VU Camera Club aims to share the passion for photography. It provides interested students a playing field for photography and video production, all that's needed is an eye covered with lens. Students are being educated about art and science of camerawork and filmmaking. It has arranged educational workshops, trainings, instruction and mentoring for the aspiring students. The objective of Camera Club is to provide an outlet for the expression of creativity through lens.

### Debate Society

Debate society forum is an endeavor to instill the critical thinking and persuasive communication skills in VU students. Through debate society, VU aims at making its students become public leaders and business professionals who can

enjoy success based on skills acquired as active youth debaters. Student debaters of VU have earned a noteworthy prestige for the university at regional and national level debating/declamation contests.

### Environmental Protection Society

To leave a healthy world and a sustainable environment for our generations to come, Environmental Protection Society takes measures to rehabilitate, protect and enrich the environment. Plantation and anti-littering activities are held to clean, green and protect the environment. Besides this, focused discussion sessions are held to raise awareness regarding protection of Mother Nature. Walks are organized for general awareness on globally celebrated environment related days.

### Literary Club

Literary Club provides an organized platform for the students to learn from the renowned literary figures while polishing their creative abilities. Based on the number of campuses and students in each region, the society coordinates essay writing and poetry writing/recitation competitions, publications, mushaira and cap verses in various cities and campuses.

### Performing Arts Society

The mission of the Performing Arts Society is to inculcate knowledge, flexible attitude, confidence and human relations skills in our students. This society will develop and enhance the personality of the students by offering them a platform where they can transform their skills and talent into a more creative and presentable form. In the long run, our students will be able to connect with the

students of conventional system which will further refine their artistic talent. Not only just VU provides students with opportunity to perform at national level but also, the students get their talents acclaimed by securing positions.

### IT Club Society

IT Club arranges such competitions through which we can shape students' knowledge, programming skills and their mind-set towards practical field. The IT Club provides an environment for the IT students to bring creativity and innovation in programming skills through some real-life computing/programming practices and promote the application of IT.

### Quiz Society

To increase the students' knowledge, VU Quiz Society provides a knowledge-testing platform to the students of Virtual University for enhancing their intellectual capacity. VU Quiz Society aims at channelizing students' cognitive abilities in a positive direction by engaging them into more creative activities, particularly quiz and programming competitions at different levels.

### Sports Society

With a vision to unearth and groom the tremendous potential of CYBERIANS to make them exemplary sportsmen, Virtual University intends to indulge its geographically widespread students in National and International sports. Sports Society at VU holds competitions across Pakistan for different games including cricket, football, table tennis, and chess.

### Tourism / Hiking Club

Tourism club promotes country's cultural and natural heritage through tourism in a sustainable

way by making Pakistani Youth conversant with regional trends and diversity. Based on the number of campuses and students in each region, the society coordinates the tour activities in various regions/cities. Tourism/ Hiking club also engages students to compete their fellows in trekking amidst the most scenic tracks of their tour destinations.

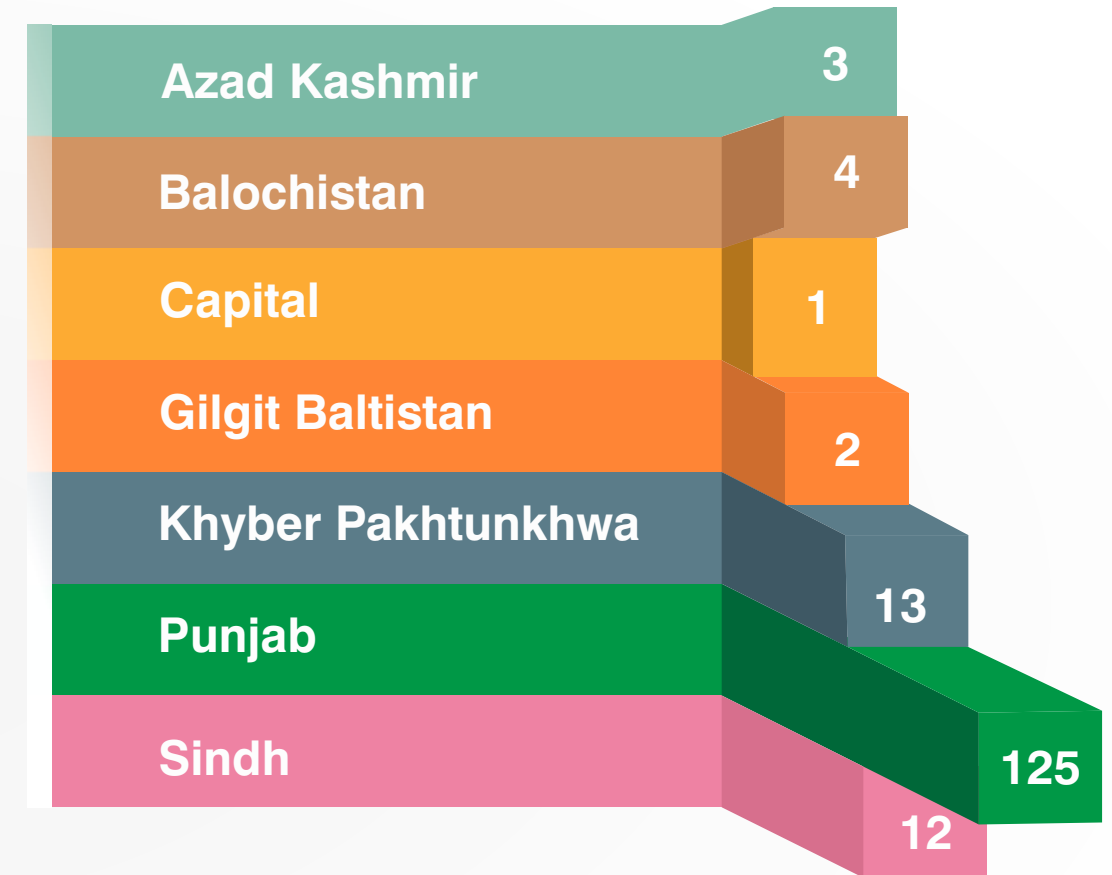
### Character Building Society

Character building society aims to provide awareness, prevention from evils of corruption and enforcement of values which ultimately empowers ethical consciousness for moral acts and to perform obligations. It motivates to do right things to improve the ethical competency of individual to foresee the potential consequences of his acts in society. National Accountability Bureau (NAB) observes anti-corruption week from 8th December to 13th December every year. Following the same convention Virtual University of Pakistan celebrated anti-corruption day on 9th December, 2014.

### Society for Rising Entrepreneurs

Society for Rising Entrepreneurs aims to unlock and boost the entrepreneurial capabilities among students of Virtual University of Pakistan while providing trainings, research and development conferences and networking opportunities. It organizes annual "Business Plan Competition" (inter and intra university competition) and an Annual Conference for bringing the students, academicians, young entrepreneurs, corporates and policy makers together to share the vision of entrepreneurial future in Pakistan.

# Virtual Campuses



Currently, there are over 160 Campuses operating in more than 100 cities across the country. The Virtual University of Pakistan is operating its own 29 campuses in various cities. Virtual campuses provide the required infrastructure for studies including computers, internet connectivity and discussion rooms etc. Examinations are also conducted at selected virtual campuses.

## Campus Life

This combination of technologies and efficient utilization of national infrastructure allows the Virtual University to offer an identical educational environment to students all over the country including far-flung areas. For the first time, students from small towns and remote areas have access to the same highly qualified professors that were previously accessible to their large city brethren only. Results indicate that talent hidden in these regions is now becoming visible and empowered. This has far reaching positive implications for the socio-economic well-being of the country. Students may study from home or at "virtual campuses" that have been established all over the country. These virtual campuses provide an enabling electronic environment for students to receive lectures and interact with their teachers including television equipped classrooms and Internet connected computer laboratories. A subliminal benefit of these campuses is that they also provide the students with an opportunity to interact with their peers in a conventional environment and form study groups.

## Friendly Campus Environment

The institutions of higher learning are the places

to generate and create new knowledge through a friendly, free environment conducive for freedom of thought, expression and reasoning. VU is promoting these virtues and culture by providing a pleasant and sociable atmosphere to interact with the students of diverse backgrounds due to which a great sense of fraternity and cultural mixing is seen on the campus. The University is providing confidence and trust among the students by providing welcoming and fearless environment. Our graduates have great confidence and trust on their abilities and a great desire to deliver in their future career as they are wiser and more knowledgeable.

## Diverse Community

Virtual University is an equal opportunity institution for the students, so it always welcomes students from all the corners of Pakistan and around the globe. This brings in the diverse community together, which generates great qualities of consideration, tolerance, understanding and fellow feeling among the graduates. The graduates of VU are over whelmed with a spirit of researching and serving across the country and the globe.



## Virtual University Campuses

### BALUCHISTAN

#### QUETTA

Virtual University Campus, Quetta  
B-1, Model Town, Quetta  
**Campus Code:** VQTA01  
**Phone:** 081- 9202983, 9202984  
**Mobile:** 03337179200  
**Email:** vqta01@vu.edu.pk

### CAPITAL

#### ISLAMABAD

Virtual University Campus, Islamabad  
Plot No.26-B, Ali Arcade, Near Babri Mosque &  
Bank Al-falah Ltd, G-10 Markaz, Islamabad.  
**Campus Code:** VIBD01  
**Phone:** 051-9213476, 9213490  
**Email:** vibd01@vu.edu.pk

### KHYBER PAKHTUNKHWA

#### ABBOTABAD

Virtual University Campus, Abbotabad  
Alhamra Building Near Silk Plaza & KIPS  
Academy, Mansehra Road, Abbotabad  
**Campus Code:** VABT01  
**Phone:** 0992-923007, 923010, 400105  
**Email:** vabt01@vu.edu.pk

#### PESHAWAR

Virtual University Campus, Peshawar  
8-Jamrud Road, P.O. Tehkal Bala, Adjacent  
Toyota Froniter Motors, Peshawar.  
**Campus Code:** VPSW01  
**Phone:** 091-5701071, 5705994  
**Fax:** 091-5711381  
**Email:** vpsw01@vu.edu.pk

### PUNJAB

#### BAHAWAL NAGAR

Virtual University Campus, Bahawal Nagar  
Opp. MEPCO Complex, Minchanabad Road,  
Bahawal Nagar  
**Campus Code:** VBWN01  
**Phone:** 063-2272187, **Mobile:** 0305-8478975  
**Email:** vbwn01@vu.edu.pk

#### BAHAWALPUR

Virtual University Campus, Bahawalpur  
Near Welcome Chowk, Opp.PANDA Restaurant,  
1st Floor, Al-Noor Plaza, Railway Road,  
Bahawalpur  
**Campus Code:** VBWP01  
**Phone:** 062-2887313, 062-2887314  
**Mobile:** 03337618146  
**Email:** vbwp01@vu.edu.pk

#### D.G.KHAN

Virtual University Campus, D.G. Khan  
Younis Plaza, 2nd and 3rd floor, Block No. 5,  
Railway Road,  
**Campus Code:** VD GK01  
**Phone:** 064-2472812, 2472813  
**Mobile:** 03216835671  
**Email:** vd gk01@vu.edu.pk

#### FAISALABAD

Virtual University Campus, Faisalabad  
Beacon Impex Plaza, 2nd Floor, Near Amba'n  
Wali Pulli, Bilal Road, New Civil Lines,  
Faisalabad.  
**Campus Code:** VFSD01  
**Phone:** 041-2600234, 041-2600236  
**Email:** vfsd01@vu.edu.pk

**GUJAR KHAN**

Virtual University Campus, Gujar Khan  
Sultan Plaza, Takya baba Rahim shah, Ward No. 2, G.T Road Gujar Khan

**Campus Code:** VGRK01

**Phone:** 051-3512707-08, **Mobile:** 0300 9192277

**Email:** vgrk01@vu.edu.pk

**GUJRANWALA**

Virtual University Campus, Gujranwala  
Near Jamia Muhammadiyah, Kangniwala, G.T. Road, Gujranwala.

**Campus Code:** VGJW01

**Phone:** 055-4551109, 4003132, 4294731

**Mobile:** 03214031855

**Email:** vgjw01@vu.edu.pk

**JHELUM**

Virtual University Campus, Jhelum  
Metro Trade Center, Al-Markaz Road, Civil Lines, Opposite Church, Jhelum.

**Campus Code:** VJHM01

**Phone:** 0544-9270134-35

**Mobile:** 03145429294

**Email:** vjhm01@vu.edu.pk

**JALALPUR PIRWALA**

Virtual University Campus, Jalalpur Pirwala  
Old JPS, Multan Road Jalalpur Pirwala

**Campus Code:** VJPW01

**Phone:** 061-4210012, 4210608

**Mobile:** 03007811929

**Email:** vjpw01@vu.edu.pk

**LAHORE**

Virtual University Campus (Faisal Town), Lahore  
939, Block-C, Moulana Shaukat Ali Road, Lahore.

**Campus Code:** VLHR01

**Phone:** 042-35163854, 35162997, 35169939

**Email:** vlhr01@vu.edu.pk

Virtual University Campus (Feroze Pur Road), Lahore  
2nd Floor, 122 - Feroze Pur Road Lahore. (Near Ichra Bus Stop)

**Campus Code:** VLHR02

**Phone:** 042-37422188, 37422172, 37422186, 37422166

**Mobile:** 03126307046

**Email:** cm\_lhr2@vu.edu.pk, vlhr02@vu.edu.pk

Virtual University Campus (Davis Road) Lahore  
1-Davis Road, Lahore

**Campus Code:** VLHR03

**Phone:** 042-36297497, 042-36297498

**Email:** vlhr03@vu.edu.pk, cm\_lhr3@vu.edu.pk

**MAKHDOOM RASHEED**

Virtual University Campus, Makhdoom Rasheed  
Jalal Center, Adda Makhdoom Rasheed, Multan  
Vehari Road, Makhdoom Rasheed

**Campus Code:** VMKR01

**Phone:** 061-4592028

**Email:** vmkr01@vu.edu.pk

**MULTAN**

Virtual University Campus, Multan  
23/3, Officers Colony, 2nd & 3rd Floor, Near  
Chungi No. 9, Bosan Road, Multan

**Campus Code:** VMTN01

**Phone:** 061- 6212273-74

**Mobile:** 03238134323

**Email:** cm\_mtn@vu.edu.pk

**MUZAFFARGARH**

Virtual University Campus, Muzaffargarh  
Khawaja Ghulam Fareed Arcade, Multan Road,  
Muzaffargarh.

**Campus Code:** VMZG01

**Phone:** 066-2422112-13

**Mobile:** 03150573119

**Email:** vmzg01@vu.edu.pk

**NANKANA SAHIB**

Virtual University Campus, Nankana Sahib  
Naveed City Center, Shora Kothi Road, Nankana Sahib

**Campus Code:** VNKN01

**Phone:** 056-2874400, 2874500

**Mobile:** 03007660286

**Email:** vnkn01@vu.edu.pk

**PATTOKI**

Virtual University, Pattoki Campus  
H # 13, Chaudry Street, Shadman Colony near  
SNGPL Office, Pattoki

**Campus Code:** VPTK01

**Phone:** 049-4421227-28

**Email:** vptk01@vu.edu.pk,  
cm\_ptk@vu.edu.pk

**QADIRPUR RAAN**

Virtual University Campus, Qadirpur Raan  
Multan Road, Opposite Zahreer Hospital,  
Qadirpur Raan

**Campus Code:** VQPR01

**Phone:** 061-4578028

**Email:** vuqpr01@vu.edu.pk

**RAWALPINDI**

Virtual University Campus, Rawalpindi  
D-102, M.A. Road Satellite Town, Rawalpindi.

**Campus Code:** VRWP01

**Phone:** 051 – 4853215, 4853216, 4853217

**Email:** vrwp01@vu.edu.pk

**SAHIWAL**

Virtual University Campus, Sahiwal  
Saudi Tower, Opposite Jinnah Hall, Kachehry  
Road, Sahiwal.

**Campus Code:** VSWL01

**Phone:** 040-4221311, 4221317

**Mobile:** 03325546342

**Email:** vswl01@vu.edu.pk

**SINDH****BADIN**

Virtual University Campus Badin  
Hyderabad By-Pass Road, Near Nadeem CNG  
Station, Badin

**Campus Code:** VBDN01

**Phone:** 0297-870502

**Email:** vbdn01@vu.edu.pk

**GHOTKI**

Virtual University Campus, Ghotki  
Government Degree College, Main Road,  
Ghotki.

**Campus Code:** VGTK01

**Phone:** 0723-681092

**Mobile:** 03337221709

**Email:** vgtk01@vu.edu.pk

**HYDERABAD**

Virtual University Campus, Hyderabad  
Near McDonalds, Main Auto Bhan Road,  
Latifabad, Hyderabad.

**Campus Code:** VHYD01

**Phone:** 022-3411217-18

**Fax:** 022-3821273

**Email:** vhyd01@vu.edu.pk

**KARACHI**

Virtual University Campus, Karachi  
A-21, KCHS, Near Duty Free Centre, Baloch  
Colony Bus Stop, Main Shahra-e-Faisal, Karachi

**Campus Code:** VKHI01

**Phone:** 021-34313660-2

**Email:** vkhi01@vu.edu.pk

Virtual University Campus (North Nazimabad),  
Karachi

D3. First Floor. Block-D above Ufone Customer  
Service & Burj Bank North Nazimabad, Karachi.

**Campus Code:** VKHI02

**Phone:** 021-36631986, 36632001, 36631982

**Email:** vkhi02@vu.edu.pk



**SUKKUR**

Virtual University Campus, Sukkur  
Mezzanine Floor, Agha Khan Laboratory, Military  
Road, Sukkur.

**Campus Code:** VSKR02

**Phone:** 071-5632930 **Mobile:** 03129880460

**Email:** VSKR02@vu.edu.pk

## Private Virtual Campuses (PVCs)

The Virtual University of Pakistan has also established Private Virtual Campuses (PVCs) in collaboration with its private sector partners in over 65 cities of the country. The complete list of the cities and campuses can be found at the University's website: <http://www.vu.edu.pk>. The PVCs are equipped with the latest computers, uninterrupted power supply and Internet connectivity. The campuses also have audio-visual lecture theaters to receive television broadcasts.

**AZAD KASHMIR****KOTLI**

Perfect Educators Post Graduate College  
Army Public School Road, near Masjid Khatm-e-  
Nabuat, Kotli (A.K)

**Campus Code:** AKKT01

**Phone:** 05826-930093

**Mobile:** 03439770000

**Fax:** 05826-448000

**Email:** akkt01@vu.edu.pk,  
ce@perfecteducators.com

**MIRPUR**

Savant College of Sciences & Information  
Technology

A-1/3, Sector B/4, Allama Iqbal Road, Mirpur,  
Azad Kashmir

**Campus Code:** AKMP01

**Phone:** 05827-446644, 447777, 448222

**Email:** akmp01@vu.edu.pk,

vupvc137@hotmail.com

**MUZAFFARABAD**

Tech Era College of Sciences & IT

Bank Road, Muzaffarabad, Azad Kashmir

**Campus Code:** AKMD02

**Phone:** 05822-447878

**Mobile:** 03009135122

**Fax:** 058810-47878

**Email:** akmd02@vu.edu.pk, tecsit@gmail.com,

khabib08@gmail.com

**BALOCHISTAN****DERA BUGTI**

Taaleem Foudation Grammar School

Sui Gas Field, Distt. Dera Bugti

**Campus Code:** BDBT01

**Phone:** 0835-420367

**Email:** bdbt01@vu.edu.pk,

qadeerahmad1337@gmail.com

**QUETTA**

Pearl Institute of Management and Information  
Technology,

PEARL institute of MS&IT, 54-A, Samungli Road,  
Opposite FIA building, Samungli Road Quetta.

**Campus Code:** BQTA02

**Phone:** 081-2820615, 2838357

**Fax:** 081-820616

**Email:** bqta02@vu.edu.pk, info@pearl.edu.pk

**SIBBI**

Sibbi Scouts Campus

Near Commissioner Office Frontier Core

**Campus Code:** BSBI01

**Phone:** 0833-9230035-6

**Mobile:** 03327948095

**Email:** sibiscouts@gmail.com

**GILGIT BALTISTAN****GILGIT**

Karakoram College of Commerce & Modern  
Sciences

Halli chock near CSO office Jutial Gilgit

**Campus Code:** NGLT01

**Phone:** 05811-59875

**Email:** ngl01@vu.edu.pk, sartaja5@yahoo.com

**SKARDU**

Modern Solutions for Education

Naguli Spang Near Alamdar Chowk, Skardu

**Campus Code:** NSKD01

**Phone:** 05815-960502

**Mobile:** 03138484193

**Email:** nskd01@vu.edu.pk, ashskd@gmail.com

**KHYBER PAKHTUNKHWA****ABBOTABAD**

Calypso Systems (PVT) Limited

Suit # 01, 1st Floor, Ghakkar Plaza, Near Sethi  
Mosque, Masehra Road, Abbotabad.

**Campus Code:** NABT03

**Phone:** 0992-403429, 506260

**Mobile:** 03335746004

**Email:** nabt03@vu.edu.pk,  
abbottabad@calypso.com.pk

**CHITRAL**

Chitral Computer College

Near Govt. Girls High School, Muldeh, Chitral.

**Campus Code:** NCHT01

**Phone:** 0943-413590

**Mobile:** 03359600001

**Email:** ncht01@vu.edu.pk, binisic@hotmail.com

**HARIPUR HAZARA**

**Campus Code:** NHPH01

Frontier Education Complex

Opp. Noor Surgical Hospital, GT Road, Haripur  
Hazara.

**Campus Code:** NHPH01

**Phone:** 0995-615732, 615738

**Mobile:** 03005631353

**Fax:** 0995-614441

**Email:** nhph01@vu.edu.pk,

sech\_ins@yahoo.com

**KOHAT**

Faran Educational Complex Kohat

Faran Edu Complex near FEF Girls College

Sangerh Kohat city

**Campus Code:** NKHT01

**Phone:** 0922-511367

**Mobile:** 03339638958

**Fax:** 0922-511865

**Email:** nkht01@vu.edu.pk,

info@faranfoundation.org

**MANSEHRA**

Paragon International College of Commerce &  
Computers

DAB NO.: 1, Near NBP, Shelia Road, Mansehra

**Campus Code:** NMSR02

**Phone:** 0997-440008, 200590, 256715, 304121

**Mobile:** 03005611718

**Email:** nmsr02@vu.edu.pk,

pics\_mns@yahoo.com

**MARDAN**

Baybay Institute of Information Technology  
Opposite Govt. Degree College for Girls, Swabi  
Road, Mardan

**Campus Code:** NMDN02

**Phone:** 0937-873442, 0937- 873965

**Mobile:** 03018331480

**Fax:** 0937-871988

**Email:** nmdn02@vu.edu.pk,  
jehzeb@hotmail.com

**MINGORA**

Max Tech Computer Institute  
Khan Plaza, Nishat Chowk, Mingora.

**Campus Code:** NMNG01

**Phone:** 0946-700716, 710566, 729716

**Email:** nmng01@vu.edu.pk,  
munirmtci@yahoo.com

Swat College of Science & Technology  
Gulbahar Colony, Near Dr.Gyan Clinic,  
Shahdara Watkay, Mingora, Swat

**Campus Code:** NMNG02

**Phone:** 0946-729744, 9240415

**Mobile:** 03419404041

**Fax:** 0946-9240415

**Email:** NMNG02@vu.edu.pk,  
scstswat@yahoo.com

**NOWSHERA**

Pakistan Degree College  
GT Road, Nowshera

**Campus Code:** NNWS01

**Phone:** 0923-612333

**Mobile:** 03219732333

**Email:** nnws01@vu.edu.pk,  
padcis@yahoo.com

**PESHAWAR**

National Institute of Design and Analysis,  
Peshawar.

1st Floor Sarhad Chamber of Commerce &  
Industry, Peshawar.

**Campus Code:** NPSW07

**Phone:** 091-2563932

**Fax:** 091-2563934

**Email:** NPSW07@VU.EDU.PK,  
nida.pescourses@tusdec.org.pk

**TIMERGARAH**

Calypso Systems (pvt) LTD  
Zeb City Centre, Timergara, District Dir (Lower)

**Campus Code:** NTMG01

**Phone:** 0945-825584

**Email:** ntmg01@vu.edu.pk,  
timergara@calypso.com.pk

**PUNJAB****AHMED PUR EAST**

Aiml College Ahmed Pur East  
Qulandar Colony (backside of Public Stadium),  
Near Aslam Chowk, Ahmed Pur East

**Campus Code:** PAPE01

**Phone:** 062-2273200, 062-2271836

**Mobile:** 03005144761

**Email:** pape01@vu.edu.pk,  
raees\_nasir@yahoo.com

**ARIFWALA**

Quaid - E - Azam Institute of Management &  
Computer Science

161/162, 'O' Block, Near General Bus Stand,  
Opposite Amjad Park, Arif Wala

**Campus Code:** PARF02

**Phone:** 0457-834384

**Mobile:** 03076943485

**Email:** parf02@vu.edu.pk,ms\_zia@hotmail.com

Smart Silicon Solutions

1st Floor, Liaqat Plaza, Above Servis Mega  
Store, Thana Bazar, Arifwala

**Campus Code:** PARF03

**Phone:** 0457-831111

**Mobile:** 03216537229

**Email:** parf03@vu.edu.pk,  
info.vu@smartsiliconsol.com

**ATTOCK**

Oxford College of Information Technology  
Opposite IESCO Customer Office Dar UI Islam  
Colony, Kamra Road, Attock

**Campus Code:** PATK01

**Phone:** 057-2613122, 057-2702330

**Mobile:** 03405557736

**Fax:** 057-2602963

**Email:** patk01@vu.edu.pk,  
patk01@hotmail.com

**BAHAWALPUR**

Soft Vision College of IT  
9-A, Block-W, Rafi Qammar Road, Satellite  
Town, Bahawalpur.

**Campus Code:** PBWP02

**Phone:** 062-2280240-41

**Mobile:** 03025555308

**Email:** pbwp02@vu.edu.pk,  
softvision\_bwp@yahoo.com

**BHAKKAR**

Pioneer Institute of Technology  
Near DHQ Hospital, Bhakkar

**Campus Code:** PBHK01

**Phone:** 0453-510284

**Mobile:** 03366660284

**Email:** pbhk01@vu.edu.pk,  
shahidrafique@gmail.com

The Grace College

Model Town, Darya Khan Road, Gadola,  
Bhakkar

**Campus Code:** PBHK03

**Phone:** 0453-514455

**Mobile:** 03336842811

**Fax:** 0453-514455

**Email:** pbhk03@vu.edu.pk,  
gracebhakkar@yahoo.com

**BUREWALA**

Quaid-e-Azam College of Commerce  
Near Govt. College of Commerce Chungi # 5,  
505/EB Road Burewala

**Campus Code:** PBRW01

**Phone:** 0673770251, 03218840288

**Mobile:** 03018840288

**Email:** pbrw01@vu.edu.pk,  
pbrw01@gmail.com

Royal Institute of Management Sciences (RIMS)  
5-Gulistan Colony, Behind Passco Office  
Burewala

**Campus Code:** PBRW02

**Phone:** 067-3772212

**Mobile:** 03007592399

**Email:** pbrw02@vu.edu.pk,  
rimsbrw@gmail.com

**CHAKWAL**

Global Institute of Information Technology  
4th Floor, Kahoot Plaza, Anwaarabad, Bhoun  
Road, Chakwal.

**Campus Code:** PCKW01

**Phone:** 0543-554949, 550049

**Mobile:** 03350550049

**Fax:** 0543-554949

**Email:** pckw01@vu.edu.pk,  
pckw01@gmail.com

ARQAM Foundation, Chakwal  
Govt. Girls College Road, near Govt. Girls  
Elementary School No. 3, Talagang Road,  
Chakwal

**Campus Code:** PCKW02

**Phone:** 0543-551577

**Mobile:** 03468551577

**Email:** pckw02@vu.edu.pk,  
saedasmata@hotmail.com

### CHICHAWATNI

Benazeer Institute of Information Technology  
Block No. 16, St. No. 01, House No. 2087, near  
Crescent Girls College, Chichawatni

**Campus Code:** PCHW01

**Phone:** 0405-487201

**Mobile:** 03027898049

**Email:** pchw01@vu.edu.pk,  
biitchichawatni@gmail.com

The National College of Commerce & IT  
Govt. Girls College Road, Chichawatni

**Campus Code:** PCHW02

**Phone:** 040-5487552,

**Mobile:** 03336918578

**Email:** pchw02@vu.edu.pk,  
nccmt786@yahoo.com

### CHINIOT

Pak Poly Technic Institute  
Sargodha Road, Chiniot.

**Campus Code:** PCHT02

**Phone:** 047-6335172

**Mobile:** 03457964591

**Email:** pcht02@vu.edu.pk, pcht02@vu.edu.pk

ICON Colleg of Commerce & IT

Opp. Bakhshi Mosque, Near Punjab Bank  
Kachehry Road, Chiniot

**Campus Code:** PCHT04

**Phone:** 047-6330073, 6335373, 6336161

**Mobile:** 03227819152

**Email:** pcht04@vu.edu.pk,  
info@iconcollege.edu.pk

### CHISHTIAN

The Leeds College of Commerce &  
Management

Building No. 11, block G-I, Baldia Colony,  
College Road, Chishtian

**Campus Code:** PCHS01

**Phone:** 06325-09090

**Mobile:** 03006986481

**Email:** pchs01@vu.edu.pk,  
asif\_st@hotmail.com

### CHUNIAN

Chunian Institute of Management Sciences  
Ilah Abad Road, Near Chungi No.2, Chunian

**Campus Code:** PCHN01

**Phone:** 049-4311700

**Mobile:** 03450999950

**Fax:** 049-2570495

**Email:** pchn01@vu.edu.pk,  
naeembhatti101@gmail.com

### DASKA

Allama Iqbal Institute of Technology  
Ghalla Mandi, Circular Road, Opp. Tameer  
Bank/Qaiser Electronics, Daska

**Campus Code:** PDSK02

**Phone:** 052-6617108, 0321-5550867

**Mobile:** 03334743333

**Email:** pdsk02@vu.edu.pk,  
ammad.ghumman@gmail.com

### DEPALPUR

The Professional College  
Katchehry Chowk, Pakpattan Road, Near  
Highway Office, Depalpur

**Campus Code:** PDPP01

**Phone:** 044-4542393, 4542493

**Mobile:** 03006967460

**Email:** pdpp01@vu.edu.pk,  
salmaninam4@hotmail.com

### FAISALABAD

National College of IT  
343-B, Peoples Colony, Satyana Road,  
Faisalabad.

**Campus Code:** PFSD01

**Phone:** 041-8716139

**Mobile:** 03216681139

**Fax:** 041-8735139

**Email:** pfsd01@vu.edu.pk, ncit@ncit.edu.pk

Oriel College of Information Technology  
168-B Gulistan Colony Millat Chowk,  
Sheikhupura Road, Faisalabad  
**Campus Code:** PFSD06  
**Phone:** 041-8581376, 8783006, 8813724  
**Mobile:** 03217606610  
**Email:** pfsd06@vu.edu.pk, ce@oriel.edu.pk

### FATEH JANG

Kashan Advance IT Education System  
2nd Floor, Mumtaz Plaza, Attock Road, Fateh  
Jang

**Campus Code:** PFJN01

**Phone:** 057-2013966, 2212460

**Mobile:** 03315044430

**Email:** PFJN01@vu.edu.pk,  
vucampus.fatehjang@gmail.com

### GOJRA

Jinnah college of Commerce  
Painsrah Road Gojra

**Campus Code:** PGJR01

**Phone:** 046-3513413

**Mobile:** 03346513552

**Fax:** 04651-516556

**Email:** pgjr01@vu.edu.pk,  
jinnahcollege@hotmail.com

The Future College  
Opposite Govt. M.C. Primary School, Kot Abdi,  
Hafeez Park Base Line, Gojra.

**Campus Code:** PGJR02

**Phone:** 046-3511788

**Mobile:** 03027239720

**Email:** pgjr02@vu.edu.pk,  
thefuturecollege@yahoo.com

### GUJAR KHAN

Super Wings College of Commerce &  
Management  
Ch. Sabir Building, Gulyana More, G.T. Road  
Gujjar Khan

**Campus Code:** PGRK01

**Phone:** 051-3512514, 3513514

**Mobile:** 03005143414

**Email:** pgrk01@vu.edu.pk, s\_igt@hotmail.com

### GUJRANWALA

International Institute for Information Technology  
DC Road, Gujranwala.

**Campus Code:** PGJW03

**Phone:** 055-3856384, 3856963

**Fax:** 055-3856384, **Mobile:** 03214747104

**Email:** pgjw03@vu.edu.pk,  
iiit\_2000@hotmail.com

Mr. Web Solutions  
CB-15/D, Opp DC Colony Main Gate G.T Road  
Gujranwala Cantt.  
**Campus Code:** PGJW04  
**Phone:** 055-3828897  
**Mobile:** 03318621111  
**Email:** pgjw04@vu.edu.pk,  
gtvboss@yahoo.com

### GUJRAT

ETECH College of Business & Information  
Technology  
Near Eid Gah Masjid, Main G T Road, Gujrat  
**Campus Code:** PGJT01  
**Phone:** 053-3537570, 3524204,  
**Mobile:** 0300-6259706  
**Email:** pgjt01@vu.edu.pk, cgilani@hotmail.com

ILM College of Commerce, Gujrat.  
Younas Fans Building, Opposite Small  
Industries State, Gate No. 2, G.T. Road, Gujrat.  
**Campus Code:** PGJT04  
**Phone:** 053-3516428  
**Mobile:** 0333-8406584  
**Fax:** 053-3515204  
**Email:** pgjt04@vu.edu.pk, pgjt04@vu.edu.pk

### HAFIZABAD

Hafizabad College of Business Management  
Near Bhoon CNG, Gujranwala Road, Hafizabad.  
**Campus Code:** PHFZ02  
**Phone:** 0547522554  
**Mobile:** 03215903492  
**Email:** phfz02@vu.edu.pk,  
hcbm\_hfd@hotmail.com

### HAROONABAD

NICE INSTITUTE OF COMPUTER EDUCATION  
Goal Bazar, Near Old Sabzi Mandi, Haroonabad  
**Campus Code:** PHRD02  
**Phone:** 063-2251470  
**Mobile:** 0333-6336222  
**Email:** phrd02@vu.edu.pk,  
nicelinkpk@yahoo.com

### HASILPUR

Institute of Professional Studies  
Mehmood Colony Bahawalnagar Road,  
Hasilpur.  
**Campus Code:** PHPR01  
**Phone:** 062-2449685  
**Mobile:** 0303-7174622  
**Email:** phpr01@vu.edu.pk,  
ipscollege@gmail.com

### JARANWALA

Jaranwala Institute of Modern Sciences &  
Technology  
H. NO. 317, Street No. 1/A, Abuzar Colony,  
Jaranwala.  
**Campus Code:** PJRW02  
**Phone:** 041-4016061, 4311455  
**Mobile:** 0332-4562645  
**Email:** pjrw02@vu.edu.pk,  
jimsat.pk@gmail.com

### JHANG

Pioneer Institute of Computer Sciences  
Yousaf Shah Road, Near Kechehry Chowk,  
Jhang Sadar  
**Campus Code:** PJNG01  
**Phone:** 047-7612443  
**Mobile:** 0334-6331460  
**Fax:** 0471-614505  
**Email:** pjng01@vu.edu.pk, pjng01.044@gmail.com

Rachna College Of Commerce-Jhang  
Yousaf Shah Road Near Church Jhang Saddar,  
Jhang  
**Campus Code:** PJNG03  
**Phone:** 047-7652084  
**Mobile:** 03006506912  
**Email:** pjng03@vu.edu.pk,  
rachnacollege@yahoo.com

### JOHARABAD

Apex College of Science  
2-3/ 54, Block # 20, Civil Lines Opposite  
Abuhuraira Mosque, Jauharabad.  
**Campus Code:** .  
**Phone:** 0454-720966  
**Mobile:** 0300-6070966  
**Email:** pjrd02@vu.edu.pk, rana\_saif@msn.com

### KABIR WALA

Muslim College of Commerce and Computer  
Sciences, Kabir Wala.  
Near New General Bus Stand Kabirwala Distt.  
Khanewal.  
**Campus Code:** PKBW01  
**Phone:** 065-2411666  
**Mobile:** 0333-6221115  
**Email:** PKBW01@VU.EDU.PK,  
razakhan\_mba@yahoo.com

### KAHUTA

Kahuta Institute of Professional Studies, Kahuta.  
Kahuta Ward No. 1, Opposite Fizan-e-Mustafa  
Mosque, Kahuta.  
**Campus Code:** PKHT01  
**Phone:** 051-3311200  
**Mobile:** 0333-5192210  
**Email:** pkht01@vu.edu.pk,  
kips.college@yahoo.com

### KALLAR SYEDAN

Al-Haq Institute of IT & Management  
Choan Road, Kallar Syedan, Distt.Rawalpindi  
**Campus Code:** PKSY01  
**Phone:** 051-3570231-32  
**Mobile:** 03235586084  
**Email:** pksy01@vu.edu.pk,  
ulhaq69@hotmail.com

### KAMOKE

Winware Group of Colleges  
Nagri Abbas Shah, Near NADRA Office, G.T.  
Road, Kamoke  
**Campus Code:** PKMK01  
**Phone:** 055-6814411-12  
**Mobile:** 0344-2121414  
**Email:** pkmk01@vu.edu.pk,  
ceo@winware.edu.pk

### KAMRA

Falcon Institute for Advanced Study  
Safdar & Mehran Plaza GT Road PAC Chowk,  
Kamra.  
**Campus Code:** PKMR03  
**Phone:** 057-2642462-63  
**Mobile:** 0315-8880250  
**Email:** pkmr03@vu.edu.pk,  
irshadali9@yahoo.com

### KASUR

Elite College Kasur  
Main Shehbaz Khan Road, Kasur  
**Campus Code:** PKSR03  
**Phone:** 049-2773324  
**Mobile:** 0333-4921824  
**Email:** pksr03@vu.edu.pk,  
elite.college@hotmail.com

**KHANEWAL**

Leads Universal College  
1-B, Civil Lines, Khanewal.

**Campus Code:** PKHW02

**Phone:** 065-2555449

**Mobile:** 0344-7363473

**Email:** pkhw02@vu.edu.pk,  
leads\_pk1@yahoo.com

**KHANPUR**

Al-Barkat College of Computer Sciences  
Near Doaaba Pully, Quaid-e-Millat Road,  
Khanpur.

**Campus Code:** PKHP01

**Phone:** 068-5573896

**Mobile:** 0300-6704319

**Email:** pkhp01@vu.edu.pk,  
bccs1@hotmail.com

**KHARIAN**

Rosebelt College of Management Sciences &  
Information Technology  
GT Road, Kharian.

**Campus Code:** PKHN03

**Phone:** 053-7600121

**Mobile:** 0331-6296300

**Email:** pkhn03@vu.edu.pk,  
rosebeltcolleges@gmail.com

**KUNDIAN**

College of Intellectual Novitiates (COIN)  
Near Al-Masoom Hotel, M.I. Road, Kundian,  
Post Office Kundian, Tehsil Piplan, District  
Mianwali

**Campus Code:** PKUD01

**Phone:** 0459-241410

**Mobile:** 0333-6185704

**Email:** pkud01@vu.edu.pk,  
syedqaswar@gmail.com

**LAHORE**

Bedian Institute of Business and IT Studies  
202 E-1, Defence Road, Bhatta Chowk, Lahore.

**Campus Code:** PBAD01

**Phone:** 042-35740546, 35016905

**Mobile:** 03004240050

**Email:** pbad01@vu.edu.pk,  
bdnbibits@gmail.com

Apex Institute for Higher Education  
Punj Peer Stop, Near Wapda Grid Station,  
Lalpul, Lahore.

**Campus Code:** PHRB01

**Phone:** 0423-6524826, 36524825

**Mobile:** 03214047264

**Email:** phrb01@vu.edu.pk

Pak Polytechnic Institute  
32-Civic Centre, Moon Market, Allama Iqbal  
Town, Lahore.

**Campus Code:** PLHR02

**Phone:** 042-37808025, 37808016, 37808022

**Mobile:** 0331-4403545

**Fax:** 042-37847712

**Email:** plhr02@vu.edu.pk, info@pimcs.edu.pk

Prime ICS  
96-E, Allama Iqbal Road, Garhi Shahu, Lahore.

**Campus Code:** PLHR03

**Phone:** 042-6304537, 6362579

**Email:** plhr03@vu.edu.pk,  
primeics@yahoo.com

Jinnah Memorial College of Information  
Technology

1-Poonch Road, Chouburgi Chowk, Lahore.

**Campus Code:** PLHR14

**Phone:** 042-35244784, 35244761

**Mobile:** 03222220363

**Fax:** 042-37535522

**Email:** plhr14@vu.edu.pk

Abbas Institute of Modern Studies (AIMS)  
13-B, Lake Road (Near Jain Mandar), Opposite  
University Ground, Lahore

**Campus Code:** PLHR25

**Phone:** 042-35092899, 37236107

**Mobile:** 0333-4931227

**Fax:** 042-7124943

**Email:** plhr25@vu.edu.pk

Kaizen Institute for Higher Education  
1st Floor Adjacent Angoori Cinema Shalimar  
Link Road, Moghalpura Lahore.

**Campus Code:** PLHR39

**Phone:** 042-6831098, 6851619, 6114305-6

**Mobile:** 0345-7383546

**Fax:** 042-6366809

**Email:** plhr39@vu.edu.pk,  
tonyansar@yahoo.com

Lahore Institute of Business & IT studies  
Opp Royal Arcade Mobile Plaza Main Ferozpur  
Road, Qanchi Ammar Sadhu, Lahore.

**Campus Code:** PLHR43

**Phone:** 042-35820123

**Mobile:** 03036880082

**Email:** plhr43@vu.edu.pk, libis.org@gmail.com

Royal Institute of Management Sciences  
303-A1, Near Nursery Stop, Town Ship, Lahore.

**Campus Code:** PLHR45

**Phone:** 042-35120088

**Mobile:** 0313-4245115

**Fax:** 042-5150192

**Email:** plhr45@vu.edu.pk,  
faddi1764@hotmail.com

TIPS Institute of IT  
3-H1, Wapda Town, Lahore

**Campus Code:** PLHR46

**Phone:** 042-37036698, 35224538

**Mobile:** 0322-4719851

**Email:** plhr46@vu.edu.pk,  
tips.college@yahoo.com

The Times College  
798-N Samanabad Poonch Road, Lahore

**Campus Code:** PLHR47

**Phone:** 0423-7577751, 0423-7521383

**Mobile:** 0333-4245350

**Email:** plhr47@vu.edu.pk,  
timescollege@yahoo.com

Seek School Systems  
236 Allama Iqbal Road, Mustafaabad  
(Dharampura), Lahore.

**Campus Code:** PLHR49

**Phone:** 042-37173807

**Mobile:** 0321-4904721

**Email:** plhr49@vu.edu.pk,  
khizar.seek@yahoo.com

New Kashmir College  
313-E-III, G.T. Road, Shalimar Town, Pakistan  
Mint Last stop, Lahore  
**Campus Code:** PLHR50  
**Phone:** 042-6551300,  
**Mobile:** 0333-4224660  
**Fax:** 042-6551300  
**Email:** plhr50@vu.edu.pk, nkics@hotmail.com

Shadbagh Virtual Resource Center (SVRC)  
New Plaza, 2nd floor, Main Shadbagh Road,  
Opposite Total Petrol Pump, Shadbagh, Lahore.  
**Campus Code:** PLHR55  
**Phone:** 042-37281100  
**Mobile:** 03133240324  
**Email:** plhr55@vu.edu.pk,  
shadbaghvrcc@gmail.com

Institute of Emerging Sciences  
First Floor E/197, Main Walton Road, Lahore  
Cantt.  
**Campus Code:** PLHR59  
**Phone:** 042-36612910  
**Mobile:** 0323-8993393  
**Fax:** 042-36612910  
**Email:** plhr59@vu.edu.pk,  
ies.emerging@gmail.com

EXCL College  
S.S. Center, Raiwind Road, near Thoker Niaz  
Baig opposite Butt sweets, Lahore  
**Campus Code:** PLHR60  
**Phone:** 042-35963115-16  
**Mobile:** 0305-4404995  
**Email:** plhr60@vu.edu.pk,  
exclcollege@hotmail.com

Shine Institute of Management Studies  
Tayyaba Tower, Near Allied Bank, G.T. Road,  
Shahdara, Lahore.  
**Campus Code:** PSDR02  
**Phone:** 0423-7941099  
**Mobile:** 03214661106  
**Fax:** 0423-7941100  
**Email:** psdr02@vu.edu.pk,  
ceo\_shine@yahoo.com

Micro Inn Technologies  
65- Main G.T. Road, Kot Shahab Din, (Opposite  
Boys Degree College), Shahdara, Lahore  
**Campus Code:** PSDR03  
**Phone:** 042-37921827, 37941827  
**Mobile:** 0333-1210893  
**Email:** psdr03@vu.edu.pk,  
microinnchief@yahoo.com

### LAYYAH

Institute of Commerce & Business  
Administration  
Near Lawyer Colony, Bypass Road Layyah  
**Campus Code:** PLYH03  
**Phone:** 0606-412116  
**Mobile:** 03336201972  
**Email:** plyh03@vu.edu.pk,  
principalicba@gmail.com

### LIAQUATPUR

The Noor College of Management Science  
Veterinary Hospital Road, Behind Govt. Girls  
College, Opp. Goal Masjid, Liaquat Pur.  
**Campus Code:** PLQT01  
**Phone:** 0685-792113  
**Mobile:** 0300-8320984  
**Fax:** 068-5792289  
**Email:** plqt01@vu.edu.pk,  
muzafarsohail@gmail.com

### LODHRAN

IPS (Institute of Professional Studies), Lodhran  
Gulshan-e-Madina Town, Bahawalpur Road,  
Behind Fuel Mart CNG, Lodhran  
**Campus Code:** PLDH01  
**Phone:** 0608-361086  
**Mobile:** 0303-7174621  
**Fax:** 061-6781053  
**Email:** pldh01@vu.edu.pk,  
ipscollege@gmail.com

### MAILSI

Intellectual Prestigious Science Computer  
College  
Boys College Road, off Multan Road, Mailsi.  
**Campus Code:** PMLS01  
**Phone:** 067-3600072  
**Mobile:** 03007729685  
**Email:** pmls01@vu.edu.pk,  
ipscollege@gmail.com

### MAKHDUM PUR PAHORAN

Khanewal Knowledge Centre  
Makhdum Pur Pahoran Distt. Khanewal  
**Campus Code:** PMPP01  
**Phone:** 0652-650666  
**Mobile:** 03008481124  
**Email:** pmpp01@vu.edu.pk,  
knowledgesharing@gmail.com

### MANDI BAHAUDDIN

Mandi Bahauddin Institute of Information  
Technology  
Near Total Petroleum Phalia Road, Mandi  
Bahauddin  
**Campus Code:** PMBD01  
**Phone:** 0546-506093, 451123, 7753441  
**Mobile:** 0321-7753441  
**Fax:** 0546-508100  
**Email:** pmbd01@vu.edu.pk

### MIAN CHANNU

Pakistan Institute of Emerging Sciences  
House # 2, St# 3, Ilm-ud-Din Colony, Tulamba  
Road, Mian Channu.  
**Campus Code:** PMCH01  
**Phone:** 065-2663090, 2664390  
**Mobile:** 03007374896  
**Email:** pmch01@vu.edu.pk,  
pies\_mch@yahoo.com

### MIANWALI

British International College of Computer  
Engineering  
Sultan Town, Near South Railway Crossing,  
Mianwali  
**Campus Code:** PMNW01  
**Phone:** 0459- 231257  
**Mobile:** 0321-6830629  
**Email:** pmnw01@vu.edu.pk

### MULTAN

The National College (NCCS)  
858-D, Bosan Road, Multan.  
**Campus Code:** PMTN05  
**Phone:** 061-6221748-9  
**Mobile:** 0312-6480708  
**Fax:** 061-6521748  
**Email:** pmtn05@vu.edu.pk, nccsmul@yahoo.com

Chenab College of Commerce  
Near Chungi No 9 Opposite Food Street LMQ  
Road, Multan  
**Campus Code:** PMTN07  
**Phone:** 061-4030400  
**Mobile:** 0300-8731830  
**Fax:** 061-4570200  
**Email:** pmtn07@vu.edu.pk,  
info@chenabcollege.edu.pk

**MURIDKE**

Winware Institute of Computer Sciences  
Behind Mujahid Hotel, G.T. Road Muridke.

**Campus Code:** PMDK01

**Phone:** 042-37950777

**Mobile:** 0344-4141143

**Email:** pmdk01@vu.edu.pk,  
khurshidanjum@yahoo.com

**NAROWAL**

Centre for Business & Information Technology  
Miran Shah Hussain, Opposit Masjid Minhajul  
Quran, Circular road Narowal

**Campus Code:** PNWL01

**Phone:** 0542-412446, 411446

**Mobile:** 0321-4709046

**Email:** pnwl01@vu.edu.pk,  
cbitnarowal@gmail.com

The College of Law

1-KM, Kanjror Road, Narowal

**Campus Code:** PNWL02

**Phone:** 0542-603222, 414515

**Mobile:** 0343-2124444

**Email:** pnwl02@vu.edu.pk,  
qadrimt@gmail.com,  
thecollegeoflaw.helms@gmail.com

**OKARA**

National Institute of Management & Computer  
Sciences

Main Lalazar Colony, Near Agricultural Bank,  
Okara.

**Campus Code:** POKR01

**Phone:** 044-2526285

**Mobile:** 0300-6954844

**Email:** pokr01@vu.edu.pk,  
swlnimics@hotmail.com

Gillani Educational Complex

Al-Madina Plaza near Bismillah Petrol Pump  
Faisalabad Road, Okara

**Campus Code:** POKR01

**Phone:** 044 2702760

**Mobile:** 0344-2722227

**Email:** pokr02@vu.edu.pk,  
royjelani@gmail.com

**PAKPATTAN**

Allama Iqbal Institute of Management Sciences  
Street Karkhana Khursheed near Dar-ul-Aman  
College Road, Pakpattan Sharif, Pakpattan

**Campus Code:** PPKT01

**Phone:** 0457-374968

**Mobile:** 0300-6942968

**Email:** ppkt01@vu.edu.pk, aimsvu@yahoo.com

**PHALIA**

Noor College of Information Technology  
Near Masjid Farooq-e-Azam, Mandi Bahauddin  
Road, Phalia

**Campus Code:** PPLA01

**Phone:** 0546-587735

**Mobile:** 0333-8035584

**Email:** pppla01@vu.edu.pk

**PINDI GHAIP**

Center of Advance Studies

Near Raja CNG Attock Road, Nayyab Plaza  
Pindi Ghaip

**Campus Code:** NPGB01

**Phone:** 057-2350700

**Mobile:** 03015254582

**Email:** npgb01@vu.edu.pk,  
janjuacomputers@gmail.com

**PIRMAHAL**

The National College

Rajana Road, Near ghousia chowk, Tehsil  
Kamalia, Pir Mahal.

**Campus Code:** PPML01

**Phone:** 046-3366733

**Mobile:** 0300-9666024

**Fax:** 046-3366733

**Email:** ppml01@vu.edu.pk,  
nauman\_tts@yahoo.com

**RAHIM YAR KHAN**

Aligarh College

44-A, Satellite Town, Rahim Yar Khan

**Campus Code:** PRYK01

**Phone:** 068-5878492, 5870583

**Mobile:** 0300-9673467

**Email:** pryk01@vu.edu.pk,  
aligarhcollege@yahoo.com

NICAAS College

37-A, Satellite Town, Rahim Yar Khan

**Campus Code:** PRYK03

**Phone:** 068-5884191

**Mobile:** 0333-7447991

**Fax:** 068-5870193

**Email:** pryk03@vu.edu.pk, nicas@yahoo.com

**RAIWIND**

Japan Polytechnic Institute

1-KM Bypass Chowk, Manga Road, Raiwind

**Campus Code:** PRWD02

**Phone:** 042 35391515

**Mobile:** 0333-4426400

**Email:** prwd02@vu.edu.pk,  
yasar.abdullah@gmail.com

**RAWALPINDI**

IITM (Institute of IT & Management)

40/3 Jahanzeb Center, Bank Road, Saddar,  
Rawalpindi.

**Campus Code:** PRWP07

**Phone:** 051-5519327, 5519399

**Mobile:** 0345-5333009

**Fax:** 051-5524435

**Email:** prwp07@vu.edu.pk, info@iitm.edu.pk

National Institute of Computer Sciences

Bilal Plaza, Haider Road, Saddar, Rawalpindi.

**Campus Code:** PRWP10

**Phone:** 051-5565313, 5512508

**Fax:** 051-5512508

**Email:** prwp10@vu.edu.pk, info@nics.edu.pk

**RENALA KHURD**

Pakistan College of Commerce

H# 31/B, Low Income Housing Scheme, Renala  
Khurd, Dist. Okara.

**Campus Code:** PRKD01

**Phone:** 044-2622226

**Mobile:** 03004312963

**Email:** prkd01@vu.edu.pk,  
mahad\_naeem11@yahoo.com

**SADIQABAD**

Microsolutions

Old RCA Factory Area, Alfalah Town, Sadiqabad

**Campus Code:** PSDQ01

**Phone:** 068-5703385

**Mobile:** 0314-6776933

**Fax:** 068-5703386

**Email:** psdq01@vu.edu.pk,  
info@microsolutions.edu.pk

Aligarh College of Commerce & Computer Sciences

Canal Bank, Akbar Town, Sadiqabad.

**Campus Code:** PSDQ02

**Phone:** 068-5702421

**Mobile:** 0344-4333301

**Email:** psdq02@vu.edu.pk,  
hamoud3k@yahoo.com

The Innovators Institute of Higher Education SICS, Rais Enam Ullah Road, Alfalah Town, District Rahim Yar Khan, Sadiqabad,

**Campus Code:** PSDQ03

**Phone:** 068-5705999

**Mobile:** 0333-7129008

**Fax:** 0300-7821073

**Email:** psdq03@vu.edu.pk,  
marpasha@yahoo.com

### SAMUNDRI

Institute of E-Learning & Modern Studies (IEMS) VU Stop, Faisalabad Road, Housing Colony No.1, Samundri

**Campus Code:** PSMD01

**Phone:** 041-3425000, 3425111

**Mobile:** 03007236471

**Fax:** 041-3426000

**Email:** psmd01@vu.edu.pk, info@iems.edu.pk

### SANGLA HILL

Al-Azeem Institute of Modern Studies Mohalla Sharif Pura Eid Gah Road Near Hussain Trust Hospital Sangla Hill

**Campus Code:** PSNH01

**Phone:** 056-37800080

**Mobile:** 03227753072

**Email:** psnh01@vu.edu.pk,  
azskeepsmile@gmail.com

### SARGODHA

Logix College of Information Technology & Business Studies

Club Road, Shama Chowk, Opp: Passport Office, Sargodha.

**Campus Code:** PSGD01

**Phone:** 048-3220901, 3220903

**Mobile:** 0312-6026000

**Email:** psgd01@vu.edu.pk,  
director\_logix@yahoo.com

HI Aims College of Commerce & Management 49-A Sattelite Town, Sargodha

**Campus Code:** PSGD03

**Phone:** 048-3214773

**Mobile:** 0300-4509095

**Fax:** 048-3220773

**Email:** psgd03@vu.edu.pk, hi-aims33@yahoo.com

### SHEIKHUPURA

Micro Inn Technologies 16-Shami Road, Civil Lines, Sheikhpura.

**Campus Code:** PSKP01

**Phone:** 056-3613999, 3614999

**Mobile:** 0321-9468398

**Email:** pskp01@vu.edu.pk,  
microinnchief@yahoo.com

### SHORKOT CITY

Bahoo College of Emerging Sciences Civil Lines Tehsil chowk Multan Road, Shortkot City Distt. Jhang

**Campus Code:** PSRT01

**Phone:** 047-5311800

**Mobile:** 03007615365

**Email:** PSRT01@vu.edu.pk,  
ishaqawan@gmail.com

### SIALKOT

Computer Connection Institute Green Wood Street, (next to Habib Bank City Branch), Railway Road, Sialkot.

**Campus Code:** PSKT01

**Phone:** 052-4598908-09-10

**Mobile:** 0345-2882759

**Fax:** 052-4598910

**Email:** pskt01@vu.edu.pk,  
compak@cyber.net.pk

### TALAGANG

College of Leadership & Management Chowk Sadeeqabad behind Sunny Market, Talagang.

**Campus Code:** PTLG01

**Phone:** 0543-286666

**Mobile:** 0333-5920259

**Email:** ptlg01@vu.edu.pk,  
umarmalik.128@gmail.com

### TAUNSA SHARIF

Sir Syed Institute of Information & Management Opposite Masjid Zun-Nurain, College Road District D.G. Khan, Taunsa Sharif.

**Campus Code:** PTNS01

**Phone:** 064-2602277

**Mobile:** 0333-9993673

**Email:** ptns01@vu.edu.pk,  
siims.taunsa@gmail.com

### TOBA TEK SINGH

The National College Qaim Center, Shorkot Road, Toba Tek Singh.

**Campus Code:** PTTS01

**Phone:** 046-2516347, 0462-511547

**Mobile:** 0300-6568592

**Fax:** 0462-515132

**Email:** ptts01@vu.edu.pk,  
pvcptts01@gmail.com

The CITI College 1st Floor, Habib Bank, Main Branch, Toba Tek Singh

**Campus Code:** PTTS02

**Phone:** 046-2516455

**Mobile:** 0334-6262147

**Email:** ptts02@vu.edu.pk,  
the\_citi\_college@yahoo.com

### VEHARI

Institute of Technology & Arts (Formerly, Information Technology Academy) 21-H Jinnah Road, Vehari.

**Campus Code:** PVHR01

**Phone:** 067-3365997, 3365999

**Mobile:** 0333-6262699

**Email:** pvhr01@vu.edu.pk,  
khalid.munir.ch@gmail.com

### WAH CANTT

Kenshu Institute of VU Last Floor, Al- behood Plaza, Quide Avenue, The Mall, Wah Cantt

**Campus Code:** PWCT01

**Phone:** 051-4902027, 4902037

**Mobile:** 0331-4546200

**Fax:** 051-4902100

**Email:** pwct01@vu.edu.pk,  
ateeq\_71@yahoo.com

### WAZIRABAD

Wazirabad Institute of Future & Technology Opposite Punjab College G.T Road Wazirabad

**Campus Code:** PWRD02

**Phone:** 0556-605799

**Mobile:** 03004991117

**Email:** pwrd02@vu.edu.pk,  
wift.university@gmail.com



**SINDH****KARACHI**

E-Cube

B-02, Mehran Square, Chaudhary Khaliq-ue-Zaman Road, Clifton, Karachi.

**Campus Code:** SKHI13**Phone:** 021-5655695-7**Fax:** 021-5655698**Email:** skhi13@vu.edu.pk, ecube@cyber.net.pk

Mehran Girls Degree College (Only For Girls)

C-116, Block # 6, Federal B. Area, Aysha Manzil, Karachi

**Campus Code:** SKHI34**Phone:** 021-6344924**Email:** skhi34@vu.edu.pk,

mgdc116@yahoo.com

Onwire Education

2nd Floor, Shaes Center SB-25, Block 13-C, Gulshan-e-Iqbal, Above Faysal Bank, Main University Road, Gulshan-e-Iqbal, Karachi.

**Campus Code:** SKHI37**Phone:** 021-34802354-55**Mobile:** 0336-6669473**Fax:** 021-4830190**Email:** skhi37@vu.edu.pk, info@onwire.pk**LARKANA**

Classic Academy of Computer Science

1st Floor, Nizamani Labour Hall, GPO, Larkana

**Campus Code:** SLRK02**Phone:** 074-4043334**Mobile:** 0336-2730732**Email:** slrk02@vu.edu.pk,

roshan\_lrk@yahoo.com

**MIRPUR KHAS**

Quaid Institute of Management Science

A-383 New Town Near Post Office Chowk Mirpur Khas

**Campus Code:** SMPK02**Phone:** 0233-874989, 0335-3717098**Mobile:** 03332983753**Email:** smpk02@vu.edu.pk,

saggi\_noor@yahoo.com

**SANGHAR**

Sky Tech Computer College

H # A-60/1 Housing Society, Sanghar

**Campus Code:** SSGR01**Phone:** 0235-543510**Mobile:** 03342922555**Fax:** 0235-407051**Email:** ssgr01@vu.edu.pk,

st\_ccs@hotmail.com, stccs2000@yahoo.com

**Note:** List compiled on 13-07-2016**TO FIND YOUR NEAREST CAMPUS**

## Study at Home

The Virtual University of Pakistan using its state of the art Information & Communication Technologies (ICT) infrastructure has made it possible to open its doors for the students who do not intend to visit a campus and wish to remain at home during their studies. This particular feature has proved to very useful for females and working professionals who cannot spare time to attend any campus for studies on regular basis. Such students are just required to have computer and Internet access at their homes and they will be connected to the University's Learning Management System (VULMS). This particular option is known as "study at home". The students enrolled under this category/ option will be at liberty to join any campus at any time. The process is easy and can be initiated simply by submitting an on-line request to the University through "Campus Change" option available under the tab "Student Services" within their VULMS.




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## Questions and Queries

Contact information for Admission:

Study Program	 <a href="mailto:vu.edu.pk">vu.edu.pk</a>	 042-111 880 880 (Ext.)	 0304 111 0880 (Ext.)
<b>Ph.D Program</b>			
PhD Biotechnology	phdbiotechnologyadmissions@vu.edu.pk	343	3430
<b>MS/ M.Phil Programs</b>			
M.Phil Education	mphileducationadmissions@vu.edu.pk	344	3440
MBA (Equivalent to MS)	msbaadmissions@vu.edu.pk	344	3440
MS Bioinformatics	msbioinformaticsadmissions@vu.edu.pk	343	3430
MS Biotechnology	msbiotechnologyadmissions@vu.edu.pk	343	3430
MS Business Administration	msbaadmissions@vu.edu.pk	344	3440
MS Computer Science	mcsadmissions@vu.edu.pk	348	3480
MS Genetics	msgeneticsadmissions@vu.edu.pk	343	3430
MS Zoology	mszoologyadmissions@vu.edu.pk	343	3430
MS Molecular Biology	msmolecularbiologyadmissions@vu.edu.pk	343	3430
MS Mathematics	msmathematicsadmissions@vu.edu.pk	348	3480
<b>Master Programs</b>			
M.Sc. Zoology	mzczoologyadmissions@vu.edu.pk	343	3430
M.Sc. Applied Psychology	mzcp psychologyadmissions@vu.edu.pk	343	3430
M.Sc. Mass Communication	mzcmasscommunicationadmissions@vu.edu.pk	442	4420
M.Sc. Organizational Psychology	mzcp psychologyadmissions@vu.edu.pk	343	3430
Master of Accounting	mzaccountingadmissions@vu.edu.pk	442	4420
Master of Accounting & Finance	mzaccounting.financeadmissions@vu.edu.pk	442	4420
Master of Banking & Finance	mzbanking.financeadmissions@vu.edu.pk	442	4420
Master of Business Economics	mzbeconadmissions@vu.edu.pk	442	4420
Master of Business Studies	mzbsadmissions@vu.edu.pk	344	3440
Master of Commerce (M.Com)	mzcomadmissions@vu.edu.pk	442	4420
Master of Computer Science (MCS)	mzcsadmissions@vu.edu.pk	348	3480
Master of Finance	mzfinanceadmissions@vu.edu.pk	442	4420
MHRM	mzhrmadmissions@vu.edu.pk	442	4420
MIT	mzmitadmissions@vu.edu.pk	348	3480

Study Program	 <a href="mailto:vu.edu.pk">vu.edu.pk</a>	042- 111 880 880 (Ext.) 	0304 111 0880 (Ext.) 
Master of Operations & SCM	moscmadmissions@vu.edu.pk	442	4420
MPA	mpaadmissions@vu.edu.pk	344	3440
MBA-Executive	mbaadmissions@vu.edu.pk	344	3440
<b>Bachelors Programs</b>			
Associate Degree Programs	associatedegreeadmissions@vu.edu.pk	346	3460
Bachelor(2-year & 4-year)	bacheloradmissions@vu.edu.pk	346	3460
<b>PGD Programs</b>			
Post Graduate Diplomas	diplomaadmissions@vu.edu.pk	441	4430
<b>Specializations/ Certificates</b>			
Specialization Certificate	specializationcertificate@vu.edu.pk	443	4430
Certificate Courses	certificateadmissions@vu.edu.pk	443	4430
<b>Deficiency &amp; Zero Semesters</b>			
Deficiency Semester(s)	deficiencysemester@vu.edu.pk	441	4430
Zero Semester	zerosemester@vu.edu.pk	441	4430
<b>Other Services</b>			
Admission Cancellation	admissioncancellation@vu.edu.pk	344	3440
Re-admission/to Continue studies	readmission@vu.edu.pk	342	3420
Credit Transfer/ Course Exemptions	courseexemptions@vu.edu.pk	342	3420



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# Why VU

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  - Fee submission
  - Making personalized date-sheets
  - Choosing or changing campuses