



## LAHORE UNIVERSITY OF MANAGEMENT SCIENCES

Name: Sheza Munir  
 Roll No.: 2023-10-0116  
 ID: 23631  
 Date of Birth: Dec 13, 1999

Degree: Bachelor of Science - BS  
 Major: Computer Science  
 Year Admitted: 2019-20  
 Year Graduated: 2022-23

COURSE CODE	DESCRIPTION	CREDITS	GRADE
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**Fall Semester 2019-20**

CHEM 101	Principles of Chemistry I	3	A+
CS 100	Computational Problem Solving	3	A+
MATH 101	Calculus I	3	A
PHY 100	Experimental Physics Lab I	2	A
PHY 101	Mechanics	4	A
SS 101	Islamic Studies	2	A+

Placed on Dean's Honour List.

**Spring Semester 2019-20**

BIO 100	Biology Laboratory	1	A+
BIO 101	Introductory Biology	3	A+
CHEM 100	Experimental Chemistry	1	A+
EE 100	Engineering Laboratory	1	A
MATH 120	Linear Algebra with Differential Equations	3	A+
PHY 104	Modern Physics	4	A+
SS 100	Writing and Communication	4	A+

Placed on Dean's Honour List at the end of academic year 2019-2020.

**Fall Semester 2020-21**

CS 200	Introduction to Programming	4	A+
CS 210	Discrete Mathematics	4	A
CS 225	Fundamentals of Computer Systems	4	A
MATH 102	Calculus II	3	A
SS 102	Pakistan Studies: Culture and Heritage	2	A

Placed on Dean's Honour List.

**Spring Semester 2020-21**

CS 202	Data Structures	3	A
CS 331	Introduction to Artificial Intelligence	3	A+
CS 382	Network-Centric Computing	3	B+
MATH 230	Probability	3	A
MKTG 201	Principles of Marketing	3	A

Placed on Dean's Honour List at the end of academic year 2020-21

**Fall Semester 2021-22**

CS 310	Algorithms	3	A
CS 340	Databases	3	A
CS 370	Operating Systems	3	A
CS 466	Human Computer Interaction	3	A+
CS 497B	Directed Research Project	2	P
MGMT 373	Personal Effectiveness	3	A-

Placed on Dean's Honour List.

**Spring Semester 2021-22**

CS 300	Advanced Programming	3	A+
CS 360	Software Engineering	3	A
CS 433	Speech Processing	3	A+
CS 497B	Directed Research Project	2	P
CS 666	Topics in Design and Human Computer Interaction	3	A
PSY 100	Introduction to Psychology and Human Behavior	4	A+

Placed on Dean's Honour List at the end of academic year 2021-22

**Fall Semester 2022-23**

CS 436	Computer Vision Fundamentals	3	A
CS 491A	Senior Project	3	A
CS 535	Machine Learning	3	A+
PSY 214	Perception	4	A
PSY 313	Mind the App: Psychology of Technology	4	A

Placed on Dean's Honour List.

**Spring Semester 2022-23**

CS 400B	Independent Study	2	P
CS 491B	Senior Project	3	A
CS 677	Internet of Things	3	A+
SS 233	Media Writing	4	A-
SWR 102	Swimming for Beginners	1	P

## CREDITS

ATTEMPTED	131		
TAKEN TOWARDS GPA	124	CGPA	3.97
TRANSFERRED	0		
CREDITS GIVEN ON RE-ADMISSION	0		
SUCCESSFULLY COMPLETED	131		

COURSE CODE	DESCRIPTION	CREDITS	GRADE
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MAJOR Computer Science

SCGPA  
3.97

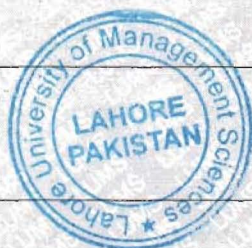
Graduated with High Distinction.

Placed on Dean's Honour List at the end of Programme.

Completed the graduation requirements for Bachelor of Science - BS Programme, June-2023

End of Undergraduate Programme Transcript

Official Seal



Z. F. Qizilbash

Registrar

Date Printed: 11-Dec-2023



## Transcript Interpretation Undergraduate Programme

The University moved from Quarter (Units) to Semester (Credits) System in Fall 2009-2010. This interpretation applies to both units and credits.

The medium of instruction at LUMS is English.

### Degree Requirements

Programme	Required Units/Credits (Minimum)	Passing CGPA
BSc/BA (Honours), BS	180/130	2.20/2.00
BSc (Honours) Computer Engineering/BS (EE)	192/133	2.20/2.00
Double major	225/160	2.20/2.00
B.A.-LL.B	220/162	2.20/2.00
B.A.-LL.B/(Honours)	0.00/162	0.00/2.00

### Explanation of Cumulative GPA/Specialization CGPA (CGPA/SCGPA)

- Batches 1997 to 2004: Calculated on a scale of 4.30
- Batches 2005 onwards: Calculated on a scale of 4.00

### Specialization CGPA

At the time of graduation, SCGPA (Specialization CGPA) is also visible on the transcript and is calculated on the basis of all courses taken in the area of the major.

### Notations

- ( ): Credits for the course(s) given on readmission/transfer. Upon readmission, all credits will count towards attempted credit hours but not included in computation of CGPA. Transfer credits will not count towards attempted credits.
- # : Under Repeat and Replace policy, this represents the lower grade for course(s) repeated. Credits and grades not included in computation of CGPA or towards completed credits. However, these credits count towards total attempted.
- R\* : Best grade for repeated course(s) which counts towards graduation requirements (i.e. CGPA and completed credits) and total attempted credits.
- ‡ : Under All Grades Counts Policy, this represents the original grade of repeated course(s). Such credits and grades are included in the computation of CGPA. These credits are not included in total completed credits but are counted towards total attempted credits.

\* For courses repeated between Academic Year 2014-15 to 2015-16, 'R' will denote the latest attempt instead of best grade.

### Minor

Subject to fulfillment of the minor requirements; the title of the minor is displayed only on the transcript and not on the degree.

### Graduation Honours

CGPA	Recognition
3.80 and above*	Deans' Honour List and Graduation with <b>High Distinction</b>
3.60 to 3.79	Deans' Honour List and Graduation with <b>Distinction</b>
3.30 to 3.59	Graduation with <b>High Merit</b>
3.10 to 3.29	Graduation with <b>Merit</b>

\*For Batch 2014 and onwards.

### Grading Legend

Letter Grade	Grade Points	Description
A+	4.3*	Exceptional
A+	4.0**	Exceptional
A	4.0	Outstanding
A-	3.7	Excellent
B+	3.3	Very Good
B	3.0	Good
B-	2.7	Average
C+	2.3	Satisfactory
C	2.0	Low Pass
C-	1.7	Marginal Pass
D	1.0	Unsatisfactory
F	0	Fail
P	--	Pass
NC	--	No Credit***
W	--	Withdrawn
WF	--	Withdrawn while failing
WP	--	Withdrawn while passing
NGR	--	No Grade Reported
I	--	Incomplete
IP	--	In-Progress
U	--	Unsatisfactory
T	--	Transfer

\*For batches 2004 and earlier.

\*\*For batches 2005 and onwards.

\*\*\*From Spring 2020 onwards, this is a special accommodation due to COVID-19.

### Authenticity

A signed and dated transcript provides a certified copy of the student's academic performance. A LUMS official transcript is printed on security paper and sealed in an envelope or emailed via password protected PDF document. An official, confidential transcript can only be obtained directly from the Office of the Registrar. If the document is received with a broken seal or the PDF is not secure, the transcript should be considered an unofficial document.

### Contact Information

Office of the Registrar  
Lahore University of Management Sciences (LUMS)  
Sector U, DHA, Lahore-54792, Pakistan  
Phone: (+92-42) 3560 8000  
Transcript Enquiries only: [registrar@lums.edu.pk](mailto:registrar@lums.edu.pk)  
General Enquiries: [helpdeskro@lums.edu.pk](mailto:helpdeskro@lums.edu.pk)  
Website: [www.lums.edu.pk](http://www.lums.edu.pk)

Counter Signed by



Senior Assistant/Assistant Registrar  
Lahore University of Management Sciences (LUMS)

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UNIVERSITY OF MICHIGAN

OFFICE OF THE REGISTRAR - ANN ARBOR, MI 48109-1382



*Paul Robinson*

University Registrar

Graduate Joined Deg Programs

Cumulative Total

GPA: 4.000

22.50

30.50

90.00

Lahore University of Management Sciences

Lahore

54792

Pakistan

Fall 2024								Graduate Joined Deg Programs			Grade	Hours	MSH	CTP	MHP
Elections as of: 27-Oct-2024															
BEGINNING OF GRADUATE RECORD								ECE	598	Special Topics		3.00	0.00	0.00	0.00
										Large Language Models					
all 2023	Graduate Joined Deg Programs							Grade	Hours	MSH	CTP	MHP			
SI	501	Contextual Inq	A	3.00	3.00	3.00	12.00	ELI	522	Res Paper Writing	DCO	2.00	0.00	0.00	0.00
SI	542	Intro Health Infor	A	3.00	3.00	3.00	12.00	HMP	600	Hlth Serv Syst I		3.00	0.00	0.00	0.00
SI	544	Intr Stat&Data Analy	A+	3.00	3.00	3.00	12.00	SI	648	Eval Methods in HI		3.00	0.00	0.00	0.00
SI	574	HI Program Seminar	S	1.00	0.00	1.00	0.00	SI	690	Intern/Field Exper		2.00	0.00	0.00	0.00
SI	618	Data Man & Analysis	A	3.00	3.00	3.00	12.00	Total Elected Term Hours				13.00	0.00	0.00	0.00
Term Total	GPA: 4.000									END OF GRADUATE RECORD					

Winter 2024							Graduate Joined Deg Programs					Grade	Hours	MSH	CTP	MHP
LHS							712	NLP on Health Data	W	3.00	0.00	0.00	0.00			
SI							568	Intro Appld Data Sci	A	1.50	1.50	1.50	6.00			
SI							574	HI Program Seminar	S	1.00	0.00	1.00	0.00			
SI							630	NLP Algorithm People	A	3.00	3.00	3.00	12.00			
SI							649	Info Visualization	A+	3.00	3.00	3.00	12.00			
SI							661	Mgmt in Health Info	A	3.00	3.00	3.00	12.00			
SI							681	Intern/Field Seminar	S	6.00	0.00	6.00	0.00			
Term Total								GPA: 4.000		20.50	10.50	17.50	42.00			

Fall 2024					Graduate Joined Deg Programs					Grade	Hours	MSH	CTP	MHP
ECE					598	Special Topics					3.00	0.00	0.00	0.00
						Large Language Models								
ELI					522	Res Paper Writing	DCO				2.00	0.00	0.00	0.00
HMP					600	Hlth Serv Syst I					3.00	0.00	0.00	0.00
SI					648	Eval Methods in HI					3.00	0.00	0.00	0.00
SI					690	Intern/Field Exper					2.00	0.00	0.00	0.00
Total Elected Term Hours											13.00	0.00	0.00	0.00

END OF GRADUATE RECORD

End of Transcript  
Total Number of Pages 1

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## TRANSCRIPT GUIDE

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### DEFINITION OF AN OFFICIAL TRANSCRIPT

An Official Transcript is one that has been received directly from the issuing institution. It must bear the University seal, date and signature of the registrar. Transcripts received that do not meet these requirements should not be considered official and should be routinely rejected for any permanent use. This definition of an official transcript has been endorsed by the Michigan Association of Collegiate Registrars and Admissions Officers.

### ACCREDITATION

The three campuses of the University of Michigan are accredited by the North Central Association of Colleges and Schools - Higher Learning Commission. Many of the departments and programs within the University are also accredited by various agencies. Detailed information about these agencies and the accreditation process is available from the Dean's office of each academic unit.

### CALENDAR

The University of Michigan operates under the trimester calendar. A unit of credit is a semester hour.

### ELIGIBILITY FOR ENROLLMENT

Unless otherwise indicated, a student is eligible to enroll.

### EXPLANATION OF COLUMN HEADINGS

HRS = Elected Hours/Units; MSH = GPA Semester Hours; CTP = Credit Toward Program; MHP = GPA Honor Points.

### ABBREVIATIONS FOR CREDIT CONDITIONS

AGC = Approved for Graduate Credit; CBE = Credit by Exam; DCO = Degree Credit Only; NDC = Not for Undergraduate degree credit; NFC = Not for Credit; NGD = Not for Graduate Degree Credit; REP = Repetition.

### STUDY ABROAD

Study abroad credit is considered upper level unless otherwise noted.

### LETTER GRADES

9.0 GRADING SCALE (A+ through B = Pass unless otherwise noted)

A+ = 9.0; A = 8.0; A- = 7.0; B+ = 6.0; B = 5.0; B- = 4.0; C+ = 3.0; C = 2.0; C- = 1.0; D+ = 0.0; D = 0.0; D- = 0.0; E = 0.0.

4.4 GRADING SCALE

A+ = 4.4; A = 4.0; A- = 3.7; B+ = 3.4; B = 3.0; B- = 2.7; C+ = 2.4; C = 2.0; C- = 1.7; D+ = 1.4; D = 1.0; D- = 0.7; E = 0.0.

4.3 GRADING SCALE

A+ = 4.3; A = 4.0; A- = 3.7; B+ = 3.3; B = 3.0; B- = 2.7; C+ = 2.3; C = 2.0; C- = 1.7; D+ = 1.3; D = 1.0; D- = 0.7; E = 0.0.

4.0 GRADING SCALE

A+ = 4.0; A = 4.0; A- = 3.7; B+ = 3.3; B = 3.0; B- = 2.7; C+ = 2.3; C = 2.0; C- = 1.7; D+ = 1.3; D = 1.0; D- = 0.7; E = 0.0.

### ADDITIONAL GRADES

EX = EXCELLENT; GD = GOOD; PS = PASS; LP = LOW PASS; F = FAIL (EX, GD, PS and LP = Pass)

CR = Credit; NC = No credit; S = Satisfactory; U = Unsatisfactory; P = Pass; F = Fail

I = Incomplete (I OR IL followed by a letter grade indicates an initial incomplete that has been given a final grade.); NR = No grade reported;

## = Grade not submitted; ED = Unofficial drop; VI = Audit or Visit; W = Withdrew from course; Y = Extended multi-term class

M = Marginal; IPL = Incomplete Permanent Lapse; NRC = No Record COVID, a non-passing grade used to address a global pandemic

**COMPUTATIONS FOR TERM OR CUMULATIVE GPA:** Term GPA = Term MHP/Term MSH; Cumulative GPA = Cumulative MHP/Cumulative MSH; Example: 42.0 MHP/12.0 MSH = 3.5 GPA.