



# University of Central Punjab

(Incorporated by Ordinance No.XXIV of 2002 promulgated by Government of the Punjab)

Transcript: 147123

## ACADEMIC TRANSCRIPT



### Bachelor of Science in Computer Science (Honors)

REGISTRATION NO.	L1F16BSCS0546	DOB	19-JAN-1996	CNIC #	35202-2241717-7
SESSION:	FALL 2016	STUDENT'S NAME	MUHAMMAD HAMZA		
COMMENCED ON:	10-OCT-2016	FATHER'S NAME	NOOR HASSAN		

Course ID	Title fo Course	Cr. Hrs	Grade	Course ID	Title of Course	Cr. Hrs	Grade
<b>SEMESTER 1 [Fall 2016]</b>							
CSCS1511	INTRODUCTION TO COMPUTING - LAB	1	A	CSCP1021	OBJECT ORIENTED ANALYSIS AND DESIGN - LAB	1	A
CSCS1513	INTRODUCTION TO COMPUTING	3	A	CSCP1023	OBJECT ORIENTED ANALYSIS AND DESIGN	3	A
CSHU1824	ENGLISH-I (FUNCTIONAL ENGLISH)	4	A	CSDB2311	INTRODUCTION TO DATABASE SYSTEMS - LAB	1	A
CSHU1863	ISLAMIC AND RELIGIOUS STUDIES	3	A	CSDB2313	INTRODUCTION TO DATABASE SYSTEMS	3	A
CSHU2833	LOGIC THINKING	3	A-	CSSS2743	PROBABILITY AND STATISTICS	3	A
CSSS1723	BASIC ELECTRONICS	3	B+	CSSS2753	LINEAR ALGEBRA	3	A
GPA				CSSS2763	DIFFERENTIAL EQUATIONS	3	A
3.82				GPA			
<b>SEMESTER 2 [Spring 2017]</b>							
CSCP1011	PROGRAMMING FUNDAMENTALS - LAB	1	A	CSAL3253	THEORY OF AUTOMATA & FORMAL LANGUAGES	3	W
CSCP1013	PROGRAMMING FUNDAMENTALS	3	A	CSCP3063	MOBILE APPLICATION DEVELOPMENT	3	A
CSCS2521	DIGITAL LOGIC AND DESIGN - LAB	1	B+	CSCS2533	COMPUTER ARCHITECTURE	3	A-
CSCS2523	DIGITAL LOGIC AND DESIGN	3	B-	CSCS3551	OPERATING SYSTEMS - LAB	1	A-
CSHU1873	ENGLISH-II (COMMUNICATION SKILLS)	3	A-	CSCS3553	OPERATING SYSTEMS	3	B+
CSHU1893	PAKISTAN STUDIES	3	B	CSST3653	INTRODUCTION TO GAME DESIGN	3	B
CSSS1713	CALCULUS AND ANALYTICAL GEOMETRY	3	A	GPA			
3.49				GPA			
<b>SEMESTER 3 [Fall 2017]</b>							
CSAL1213	DISCRETE STRUCTURES	3	A-	CSAL3233	DESIGN AND ANALYSIS OF ALGORITHMS	3	A
CSCP2031	DATA STRUCTURES AND ALGORITHMS - LAB	1	A	CSAL3243	ARTIFICIAL INTELLIGENCE	3	(C-)
CSCP2033	DATA STRUCTURES AND ALGORITHMS	3	A	CSHU2813	ENGLISH-III (TECHNICAL AND REPORT WRITING)	3	B
CSCS3541	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE - LAB	1	A	CSSE3113	INTRODUCTION TO SOFTWARE ENGINEERING	3	(D)
CSCS3543	COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE	3	A	CSST3633	GAME DEVELOPMENT	3	B-
CSHU3853	PERSIAN LANGUAGE	3	A	GPA			
CSSS2733	MULTIVARIATE CALCULUS	3	A	GPA			
3.94				GPA			
<b>SEMESTER 4 [Spring 2018]</b>							
CSCP1021	OBJECT ORIENTED ANALYSIS AND DESIGN - LAB	1	A	GPA			
CSCP1023	OBJECT ORIENTED ANALYSIS AND DESIGN	3	A	4.0			
CSDB2311	INTRODUCTION TO DATABASE SYSTEMS - LAB	1	A				
CSDB2313	INTRODUCTION TO DATABASE SYSTEMS	3	A				
CSSS2743	PROBABILITY AND STATISTICS	3	A				
CSSS2753	LINEAR ALGEBRA	3	A				
CSSS2763	DIFFERENTIAL EQUATIONS	3	A				
<b>SEMESTER 5 [Fall 2018]</b>							
CSAL3253	THEORY OF AUTOMATA & FORMAL LANGUAGES	3	W				
CSCP3063	MOBILE APPLICATION DEVELOPMENT	3	A				
CSCS2533	COMPUTER ARCHITECTURE	3	A-				
CSCS3551	OPERATING SYSTEMS - LAB	1	A-				
CSCS3553	OPERATING SYSTEMS	3	B+				
CSST3653	INTRODUCTION TO GAME DESIGN	3	B	GPA			
3.51				GPA			
<b>SEMESTER 6 [Spring 2019]</b>							
CSAL3233	DESIGN AND ANALYSIS OF ALGORITHMS	3	A				
CSAL3243	ARTIFICIAL INTELLIGENCE	3	(C-)				
CSHU2813	ENGLISH-III (TECHNICAL AND REPORT WRITING)	3	B				
CSSE3113	INTRODUCTION TO SOFTWARE ENGINEERING	3	(D)				
CSST3633	GAME DEVELOPMENT	3	B-	GPA			
2.47				GPA			
<b>SEMESTER 7 [Summer 2019]</b>							
CSAL3243	ARTIFICIAL INTELLIGENCE	3	A				
CSSE3113	INTRODUCTION TO SOFTWARE ENGINEERING	3	A-				
<b>GPA 3.84</b>							

### DEGREE NOTIFICATION

DATE: 29-JUL-2020

CREDITS EARNED: 130

CGPA: 3.53

MARKS %: 87.57

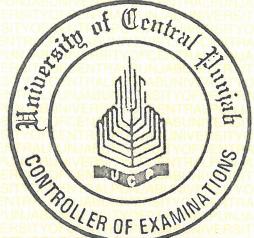
Student has successfully completed the degree requirement for BS-CS

*Controller of Examinations*

Issued on:

22-NOV-2023

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Course ID	Title of Course	Cr. Hrs	Grade	Course ID	Title of Course	Cr. Hrs	Grade
<b>SEMESTER 8 [Fall 2019]</b>							
CSAL3253	THEORY OF AUTOMATA & FORMAL LANGUAGES	3	A				
CSAL4263	NUMERICAL COMPUTING	3	C+				
CSMG2913	TECHNOLOGY ENTREPRENEURSHIP	3	B-				
CSNC2411	COMPUTER COMMUNICATIONS AND NETWORKS - LAB	1	B+				
CSNC2413	COMPUTER COMMUNICATIONS AND NETWORKS	3	B				
CSSE4153	HUMAN COMPUTER INTERACTION	3	B-				
CSSE4173	FINAL YEAR PROJECT 1	3	B+				
		GPA	3.02				
<b>SEMESTER 9 [Spring 2020]</b>							
CSCS4573	COMPILER CONSTRUCTION	3	B-				
CSDB4313	INTRODUCTION TO DATA SCIENCE	3	A-				
CGE4963	PROFESSIONAL PRACTICES	3	B+				
CSSE4183	FINAL YEAR PROJECT 2	3	B				
CSST3663	MICROCONTROLLER PROGRAMMING AND INTERFACING	3	C				
		GPA	2.93				
in addition to course work, student has completed 64 hours of mandatory community services.							
NO ENTRIES BELOW THIS LINE							

<b>DEGREE NOTIFICATION</b>
DATE: 29-JUL-2020
CREDITS EARNED: 130

Student has successfully completed the degree requirement for BS-CS

<b>CGPA:</b> 3.53
<b>MARKS %:</b> 87.57

*Signature of Controller of Examinations*  
**Controller of Examinations**

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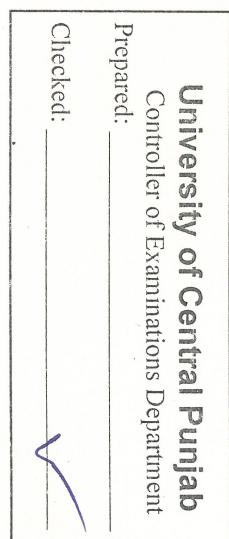


### GRADE KEY w.e.f (Spring 2012)

Letter Grade	Grade Point	Range
A	4.00	90%-100%
A-	3.67	86%-89%
B+	3.33	81%-85%
B	3.00	77%-80%
B-	2.67	72%-76%
C+	2.33	68%-71%
C	2.00	63%-67%
C-	1.67	58%-62%
D+	1.33	54%-57%
D	1.00	50%-53%
F	0	Below 50%

### GRADE KEY w.e.f (Fall 2020)

Letter Grade	Grade Point	Range
A	4.00	86%-100%
A-	3.67	82%-85%
B+	3.33	78%-81%
B	3.00	74%-77%
B-	2.67	70%-73%
C+	2.33	66%-69%
C	2.00	62%-65%
C-	1.67	58%-61%
D+	1.33	54%-57%
D	1.00	50%-53%
F	0	Below 50%



### Abbreviations

TR	Transfer
EX	Exempted
P	Pass
N	Continuing
( )	Grade Replaced
W	Withdrawal
I	Incomplete

### AUTHENTICITY

UNLESS EMBOSSED WITH THE OFFICIAL UCP SEAL AND AFFIXED WITH THE SIGNATURE OF THE CONTROLLER OF EXAMINATIONS, THIS TRANSCRIPT IS NOT VALID.

### G P A

THE GRADE POINT AVERAGE (GPA) IS COMPUTED BY MULTIPLYING THE NUMBER OF CREDIT HOURS OF EACH COURSE BY THE GRADE POINT EQUIVALENT TO THE LETTER GRADE RECEIVED. THE SUM TOTAL IS THEN DIVIDED BY TOTAL NUMBER OF CREDIT HOURS FOR WHICH THE STUDENT HAS RECEIVED A GRADE. GRADES REPORTED AS, "W", "I", "TR", "EX", "P", "N" OR LISTED WITHIN BRACKETS ARE NOT COMPUTED IN THE AVERAGE.

