NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY
ACADEMIC TRANSCRIPT (Undergraduate)

Name: **Muhammad Ali**

Degree: **Bachelor of Avionics Engineering**

Campus: **College of Aeronautical Engineering, Risalpur**

Registration No: **00000281434**

Date of Award: **31 August 2022**

Date of Issue: **20 February 2025**

COURSE CODE	TITLE	CRs	GRADE	GPs
1st Semester (12 November 2018 – 29 March 2019)				
CH-110	Engineering Chemistry	2.0	B	06.00
HU-107	Pakistan Studies	2.0	A	08.00
HU-114	Functional English	3.0	A	12.00
IE-103	Workshop Technology	2.0	B	06.00
IR-101	International Relationship	1.0	A	04.00
MATH-101	Calculus & Analytical Geometry	3.0	B+	10.50
PHY-108	Engineering Physics	4.0	B	12.00
	Sem Cr: 17.00		**Sem GPA: 3.44**	
2nd Semester (22 April 2019 – 13 September 2019)				
AE-101	Introduction To Aerospace Engineering	2.0	B+	07.00
AV-102	Engineering Circuit Analysis -DC Circuits	3.0	B	09.00
DWG-102	Computer Aided Design	2.0	A	08.00
HU-101	Islamic Studies	2.0	A	08.00
MATH-121	Linear Algebra & ODEs	3.0	C+	07.50
MATH-232	Complex Variables and Transforms	3.0	C+	07.50
MECH-101	Engineering Statics	3.0	B+	10.50
	Cum Cr: 35.00		**Cum GPA: 3.31**	
3rd Semester (21 October 2019 – 06 March 2020)				
AV-203	Engineering Circuit Analysis - AC Circuits	3.0	B+	10.50
AV-213	Digital System Logic Design	3.0	C+	07.50
CS-201	Introduction to Computer Programming	2.0	A	08.00
IE-222	Industrial Instrumentation	1.0	C+	02.50
MATH-243	Vector Calculus	3.0	C	06.00
MATH-361	Probability & Statistics	3.0	B	09.00
MECH-202	Engineering Dynamics	3.0	C+	07.50
	Cum Cr: 53.00		**Cum GPA: 3.15**	
4th Semester (13 April 2020 – 11 September 2020)				
AERO-201	Applied Aerodynamics-I	2.0	B+	07.00
AV-214	Computer System Architecture	2.0	C+	05.00
AV-223	Introduction to Algorithm & Data Structures	2.0	C+	05.00
AV-232	Electromagnetic Field Theory	2.0	C+	05.00
AV-243	Electronic Devices & Basic Circuits	3.0	D	03.00
AV-262	Signal & Systems	2.0	C	04.00
IE-211	Engineering Economy	2.0	C	04.00
MATH-352	Numerical Methods	3.0	C	06.00
	Cum Cr: 71.00		**Cum GPA: 2.90**	
5th Semester (21 September 2020 – 15 February 2021)				
AV-303	Electro Mechanical Systems	3.0	C+	07.50
AV-313	Digital Signal Processing	3.0	B	09.00
AV-323	Operating Systems	2.0	B+	07.00
AV-335	Transmission & Waveguides	3.0	C+	07.50
AV-342	Electronics-Integrated Circuits and OP Amp	4.0	C+	10.00
AV-354	Analysis & Design of Control Systems	3.0	C+	07.50
	Cum Cr: 89.00		**Cum GPA: 2.86**	
6th Semester (22 March 2021 – 13 August 2021)				
AV-314	Embedded Systems	3.0	C+	07.50
AV-336	Antenna Engineering	2.0	C+	05.00
AV-337	Microwave Devices	3.0	B	09.00
AV-355	Modern Control Systems	3.0	C+	07.50
AV-362	Analogue And Digital Communications	4.0	B	12.00
HU-304	Technical Report Writing	2.0	C+	05.00
	Cum Cr: 106.00		**Cum GPA: 2.83**	
7th Semester (01 November 2021 – 25 March 2022)				
AE-413	Astrodynamics	1.0	C+	02.50
AV-464	Data Communication Satellite & Networks	3.0	C+	07.50
AV-474	Avionics System Design	3.0	C	06.00
AV-475	Radar Systems	3.0	C+	07.50
AV-492	Project-I	2.0	C	04.00
CBL-401	Character Building & Leadership	1.0	B	03.00
HU-405	Communication Skills	3.0	B+	10.50
IE-441	Engineering Management	2.0	C+	05.00
	Cum Cr: 124.00		**Cum GPA: 2.79**	
8th Semester (11 April 2022 – 26 August 2022)				
AV-482	Emerging Aviation Technologies	1.0	C+	02.50
AV-499	Final Year Project	4.0	B+	14.00
CBL-402	Decision Making & Time Management	1.0	B	03.00
HU-222	Professional Ethics	2.0	B	06.00
IE-452	Product Design & Development	2.0	C+	05.00
CSL-401	Community Service	2.0	Q	

Cum Cr: 134.00 **Cum GPA: 2.81** Status: **Degree Conferred**

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Controller of Examinations

ACADEMIC TRANSCRIPT (UG COURSES)

A transcript is official when it bears the signatures of the Controller of Examinations with the embossed University seal.

COURSE NUMBERING SYSTEM

100-299	UG Courses
300-499	Advanced UG courses

CREDITS

Courses at NUST are offered on semester basis. One credit normally requires one contact hour a week in class or 2 to 3 contact hours a week of laboratory work per semester.

GRADE-POINT AVERAGES

GPs for each course are determined by multiplying the numerical grade with the number of credits for the course.

Minimum Cum GPA required for graduation from the University is 2.50 for Business Administration / Public Administration / Economics / Mass Communication and 2.00 for Engineering / IT / Bio Sciences / Natural Sciences and other programmes.

Cum GPA appears on the transcript after each semester. To compute the Cum GPA, divide the total grade points earned for all semesters by the total credits carried for those semesters.

CURRENT GRADING SYSTEM

Letter Grade	Numerical Grade
A	4.00
B +	3.50
B	3.00
C +	2.50
C	2.00
D +	1.50
D	1.00
F	0.00
X F	0.00
Q	--
NQ	--
T	--
W	--
I	--

SYMBOLS USED

CR	Credit	GPs	Grade Points
CRs	Credits	Cum	Cumulative
GPA	Grade Point Average	UG	Undergraduate
I	Incomplete	W	Dropped
Q	Qualified	T	Transfer Credit
NQ	Not Qualified	XF	F on Shortage of attendance

MEDIUM OF INSTRUCTION

Medium of instruction / examination at NUST is English

RETEST / REPEAT / IMPROVEMENT POLICY

A student is allowed to clear 'F' grade of Pre-requisite courses through retest or repeat. In case of retest the maximum achievable grade is 'D' and 'earned grade' in case of repeat. All other 'F' grades are cleared by repeating the courses.

A student can improve his CGPA by repeating any number of courses during currency of programme within maximum allowed time.

Note: In case QR code is not searchable/scanned through QR code scanner, please search/type student QR Encrypted code mentioned under QR code box on NUST portal at: https://onlineverification.nust.edu.pk/mvdoc.aspx and get the credentials verified.

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