NORTH SOUTH UNIVERSITY

THE FIRST PRIVATE UNIVERSITY IN BANGLADESH

ESTABLISHED BY THE NORTH SOUTH UNIVERSITY FOUNDATION

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Office of the Controller of Examinations

To

NEW YORK UNIVERSITY
NEW YORK, NY 10012, UNITED STATES

Official Transcript	**29 Sep 2025**
Student Name	: Md. Sahadul Hasan Arian
Student ID	: 2011084 0 42
Date of Birth	: 21 Dec 2000
Degree Conferred	: Bachelor of Science in Computer Science and Engineering

Courses Waived (6 Credits Accepted)

Course	Course Title	Cr.	Gr.	CC	CP
ENG102	Introduction to Composition	3.0			
MAT112	Elementary Mathematics	3.0			

Spring 2020

Course	Course Title	Cr.	Gr.	CC	CP
CSE115	Programming Language I	3.0	A	3.0	3.0
CSE115L	Programming Language I Lab	1.0	A	1.0	1.0
ENG103	Intermediate Composition	3.0	A-	3.0	3.0
MAT116	Pre-Calculus	3.0	A	0.0	3.0

Semester Credit : 7.00   TGPA : 3.87   CGPA : 3.87

Summer 2020

Course	Course Title	Cr.	Gr.	CC	CP
CSE173	Discrete Mathematics	3.0	A	3.0	3.0
EEE154	Engineering Drawing	1.0	A	1.0	1.0
MAT120	Calculus and Analytic Geometry-I	3.0	A	3.0	3.0
MAT125	Introduction to Linear Algebra	3.0	A	3.0	3.0

Semester Credit : 10.00   TGPA : 4.00   CGPA : 3.95

Fall 2020

Course	Course Title	Cr.	Gr.	CC	CP
CSE215	Programming Language II	3.0	A	3.0	3.0
CSE215L	Programming Language II Lab	1.0	A	1.0	1.0
MAT130	Calculus and Analytic Geometry-II	3.0	A	3.0	3.0
PHI104	Introduction to Ethics	3.0	B+	3.0	3.0
PHY107	General Physics-I	3.0	A-	3.0	3.0

Semester Credit : 13.00   TGPA : 3.77   CGPA : 3.87

Spring 2021

Course	Course Title	Cr.	Gr.	CC	CP
CSE225	Data Structure & Algorithm	3.0	A	3.0	3.0
MAT250	Calculus and Analytic Geometry IV	3.0	A-	3.0	3.0
PHY108	General Physics-II	3.0	A	3.0	3.0

Semester Credit : 9.00   TGPA : 3.90   CGPA : 3.88

Summer 2021

Course	Course Title	Cr.	Gr.	CC	CP
CSE231	Digital Logic	3.0	A	3.0	3.0
MAT350	Engineering Mathematics	3.0	A	3.0	3.0
MAT361	Probability and Statistics	3.0	A	3.0	3.0

Semester Credit : 9.00   TGPA : 4.00   CGPA : 3.90

Fall 2021

Course	Course Title	Cr.	Gr.	CC	CP
BEN205	Bengali language and Literature	3.0	B+	3.0	3.0
CHE101	General Chemistry	3.0	A	3.0	3.0
CSE311	Database Management System	3.0	A	3.0	3.0
CSE332	Computer Organization and Architecture	3.0	A	3.0	3.0
CSE373	Design and Analysis of Algorithms	3.0	A	3.0	3.0

Semester Credit : 15.00   TGPA : 3.86   CGPA : 3.89

Spring 2022

Course	Course Title	Cr.	Gr.	CC	CP
BIO103	Biology I	3.0	B	3.0	3.0
HIS102	Introduction to World Civilization	3.0	A	3.0	3.0
HIS103	Emergence of Bangladesh	3.0	A	3.0	3.0
POL101	Political Science	3.0	A	3.0	3.0

Semester Credit : 12.00   TGPA : 3.75   CGPA : 3.87

Summer 2022

Course	Course Title	Cr.	Gr.	CC	CP
CSE327	Software Engineering	3.0	A	3.0	3.0
ECO101	Introduction to Microeconomics	3.0	A	3.0	3.0
EEE141	Electrical Circuits	3.0	A	3.0	3.0
EEE141L	Electrical Circuits Lab	1.0	A	1.0	1.0
SOC101	Introduction to Sociology	3.0	A-	3.0	3.0

Semester Credit : 13.00   TGPA : 3.93   CGPA : 3.88

Fall 2022

Course	Course Title	Cr.	Gr.	CC	CP
CSE299	Junior Design	1.0	A	1.0	1.0
CSE323	Operating Systems Design	3.0	A	3.0	3.0
CSE425	Concepts of Programming Language	3.0	A	3.0	3.0
EEE111	Analog Electronics	3.0	A-	3.0	3.0
EEE111L	Analog Electronics Lab	1.0	A	1.0	1.0
EEE452	Engineering Economics and Management	3.0	A	3.0	3.0

Semester Credit : 14.00   TGPA : 3.94   CGPA : 3.89

Spring 2023

Course	Course Title	Cr.	Gr.	CC	CP
CSE273	Introduction to Theory of Computation	3.0	A	3.0	3.0
CSE331	Microprocessor Interfacing & Embedded System	3.0	A	3.0	3.0
CSE445	Machine Learning	3.0	A	3.0	3.0
CSE465	Pattern Recognition	3.0	A	3.0	3.0
CSE499A	Senior Design Project I	1.5	A	1.5	1.5
ECO104	Introduction to Macroeconomics	3.0	A	3.0	3.0

Semester Credit : 16.50   TGPA : 4.00   CGPA : 3.90

Summer 2023

Course	Course Title	Cr.	Gr.	CC	CP
BIO103L	Biology I Lab	1.0	A	1.0	1.0
CHE101L	General Chemistry Lab	1.0	A-	1.0	1.0
CSE498R	Intern/Co-op/Directed Research	0.0	A	0.0	0.0
CSE499B	Senior Design Project II	1.5	A	1.5	1.5
ENG111	Public Speaking	3.0	A-	3.0	3.0
PHY107L	Physics I Lab	1.0	A	1.0	1.0
PHY108L	General Physics-II Lab	1.0	A	1.0	1.0

Semester Credit : 8.50   TGPA : 3.86   CGPA : 3.90

Summary

Total Credits Counted	: 127.0
Total Credits Passed	: 130.0
Total Credit with transfer/waiver	: 133.0
Total Grade Points	: 495.1
Cumulative Grade Point Average	: 3.90
Month in which Degree completed	: December 2023

***************** End of Transcript *****************

[signature]

Controller of Examinations

Transcript Details

Approval: North South University is approved by the Government of the People's Republic of Bangladesh, and its curricula as well as programs are approved by the University Grants Commission of Bangladesh. The President of the People's Republic of Bangladesh is the Chancellor of North South University. The Vice-Chancellor of North South University is an appointee of the President of the country in his capacity as the Chancellor of the university.

Medium of Instruction: English is the officially approved medium of instruction in North South University.

Academic Calendar:

Semester System:	Trimester System:
Spring: January - June	Spring: January - April
Fall: July - December	Summer: May - August
	Fall: September - December

Effective: Spring 2023
to Summer 2024
Spring: January - June
Summer: July - December
Intersession: December - January

Grading System: 0.00 to 4.00 point scale letter grades, indicating the quality of course work completed, are interpreted as follows:

Numerical Scores (out of 100)	Letter Grade	Grade Points Per Credit
93 and above	A Excellent	4.0
90 - 92	A-	3.7
87 - 89	B+	3.3
83 - 86	B Good	3.0
80 - 82	B-	2.7
77 - 79	C+	2.3
73 - 76	C Average	2.0
70 - 72	C-	1.7
67 - 69	D+	1.3
60 - 66	D Poor	1.0
Below 60	F Failure	0.0

Credits for courses with the following grades do not apply toward CGPA calculation:

Grades	Meaning	Grade Value
I	Incomplete	0.0
W	Withdrawal	0.0
F	Failure	0.0
X	Research/ Thesis in Process	0.0

Term Grade Point Average (TGPA)
The grade point average of all courses completed within a given trimester/ semester of study.

Cumulative Grade Point Average (CGPA)
The grade point average of all courses completed within a level of study. Final CGPA is calculated excluding 'Courses Waived' and courses with grades marked with I, W, F, and X.

- The transcript shows the grade for each course and a cumulative result for all courses for which the student was enrolled in North South University.

- Courses that are waived do not display any grade. They are presented by name and number of credits.

- Credits accepted as transfer from other universities are counted towards degree, except for CGPA calculation.

- CGPA is calculated by dividing Total Grade Points by Total Credits Counted.

- In case of retaken courses, only the better grades are counted in the CGPA calculation but the grade point of the course previously done is shown in the transcript as 0.0.

Awards Type:

Award	CGPA
Gold Medal*	
Summa Cum Laude**	3.80 - 4.00
Magna Cum Laude**	3.65 - 3.79
Cum Laude**	3.50 - 3.64

*The Chancellor's Gold Medal is for the recipients of the highest CGPA for Undergraduate and Graduate programs. This criterion is valid for the year 2003 and onward.

*The Vice-Chancellor's Gold Medal is for the recipients of the 2nd highest CGPA for Undergraduate and Graduate programs in each school. This criterion is valid for the year 2003 and onward.

**These criteria apply exclusively to undergraduate programs and have been in effect since 2001.

Authenticity:

- An Official Transcript is printed on security paper with an embossed seal of North South University and signed by the Controller of Examinations of North South University.

- The face of this document has the abbreviated name of the university (NSU) in small green type printed vertically on the left side of the document and it contains a hidden logo of the university at the center, visible on exposure to ultra-violet light.

- A transcript without any of the above details is not an official transcript.

- This transcript cannot be released to a third party without the written consent of the student.

For any concerns, please contact the Office of the Controller of Examinations, North South University, Bashundhara, Dhaka-1229, Bangladesh.

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