

Sunday
7 July 2024

**ECE
Freshers'
Orientation
Summer 2024**



NORTH SOUTH UNIVERSITY



Welcome! Freshers of Summer 2024

North South University

- **North South University:** The first private university in Bangladesh
- **Established:** 1992
- **Formally inaugurated:** 10 February, 1993
3 Programs: Computer Science, Economics, BBA
137 Students in First freshman classes

- **Today NSU has:**

4	Schools
6	Institutes
16	Academic Departments
19	Undergrad degree programs
15	Graduate degree programs

600+	Full-time faculty
200+	Administrative Staffs
25000+	Registered Students
30000+	Alumni base
24	Convocations completed

- **Website:** www.northsouth.edu



Prof. Atiqul Islam
Vice-Chancellor, NSU



Prof. Abdur Rob Khan
Pro-VC (in-charge)
Treasurer, NSU



#901 – 950

QS Ranking Globally 2025

#651-700 QS Subject Ranking 2024
Computer Science and Engineering (CSE)



**Times
Higher
Education**

#801-1000

Overall 2024 Ranking
CSE 2024: #601 – 800 after BUET, DU

School of Business and Economics, School of Humanities & Social Sciences, School of Health and Life Sciences

School of Engineering & Physical Sciences (SEPS)



Professor M Sahadet Hossain
Dean, SEPS
NSU

- Architecture (Arch)
- Civil and Environmental Engineering (CEE)
- Electrical and Computer Engineering (ECE)**
- Mathematics and Physics (DMP)

≈ 6,000
students





Faculty Members (Professor)



Dr. M Rokonuzzaman
(RKZ)



Dr. Kazi Mohd. Abdus
Salam (KAS)



Dr. M Rashedur
Rahman (RRn)



Dr. Hafiz Abdur
Rahman (HzR)



Dr. Shazzad Hosain (Szz)



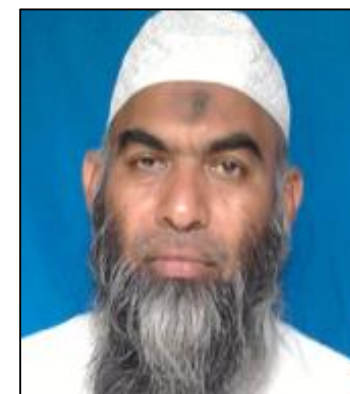
Dr. Mohammad Abdul
Matin (MtN)



Dr. Nova Ahmed (NvA)



Dr. Rajesh Palit (RjP)



Dr. Abu Sayed Latiful
Hoque (SLF)



Dr. Salekul Islam



Faculty Members (Associate Professor)



Dr. Atiqur Rahman
(Aqu)



Dr. Lamia Iftokhar
(LIH)



Dr. M Monirujjaman
Khan (KMM)



Dr. Mahdy Rahman
Chowdhury (Mdy)



Dr. Sifat Momen
(Sfm1)



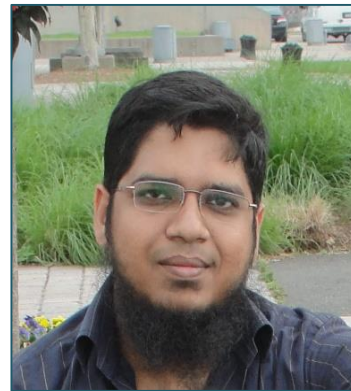
Dr. Nabeel Mohammed
(NbM)



Dr. Ahsanur Rahman
(ARa2)



Dr. Shahnewaz Sidique
(SnS1)



Dr. M Ashrafuzzaman
Khan (AzK)



Dr. Md. Shahriar Karim
(MSK1)



Dr. Riasat Khan
(RtK)

Faculty Members (Assistant Professor)



Dr. Nafisa Noor (NaNr)



Dr. Shafin Rahman (Sfr1)



Dr. A S M Jahid Hasan
(AHD)



Dr. Mohammad Abdul
Qayum (MAQm)



Dr. Fariah Mahajabeen
(FMA)



Dr. M Shifat-E-Rabbi
(MSRb)



Dr. Maktuba Mohid
Binni (MMBA)



Dr. Mohsin Sajjad ()

Faculty Members (Senior Lecturer)



Mr. Iqbalur Rahman Rokon (IqR)



Mr. Mirza Mohammad Lutfe Elahi (MLE)



Ms. Silvia Ahmed (SvA)



Md. Naqib Imtiaz Hussain (NqH)



Ms. Tanjila Farah (TnF)



Md. Shahriar Hussain (HSM)



Ms. Sharita Hasan (SSH1)



Mr. Intisar Tahmid Naheen (ITN)



Ms. Tanzilah Noor Shabnam (TNS1)

Faculty Members (Lecturer)



Md. Abu Obaidah
(AbO)



Syed Fateh Al Kastur
(FKr)



Meem Tasfia
Zaman (MEZ)



Rifat Ahmed Hasan
(RIH)



M Shafayat
Oshman (MOU)



Md. Ishan Arefin
Hossain (IAH)



Iqtidar Newaz (IqN)



Omar Ibne Shahid
(OYSD)



Shourav Das



Nabil Ibn Hannan



Faculty Members (On Leave)



Dr. Nadia Anam (NIN)



Dr. Tanzilur Rahman
(TNR)



Ishtiaque Hossain
Senior Lecturer



AKM Bahalul Haque
Lecturer



Sk Shawon Arefin Shimon
Lecturer



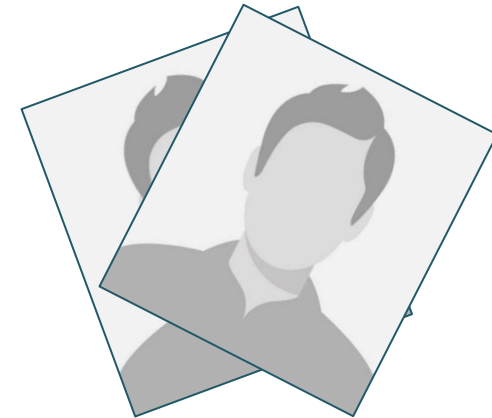
Ashfia Binte Habib
(ABH1)



Adnan Firoze
Lecturer



M Maksud Alam
Senior Lecturer



Others

Administrative Staff Members



Mr. Saidur Rahman
Assistant Director



Ms. Atiqun Noor
Officer



Mr. Sheikh Farid Akter
Faculty Assistant



Mr. Sazzad Chowdhury
Department Secretary



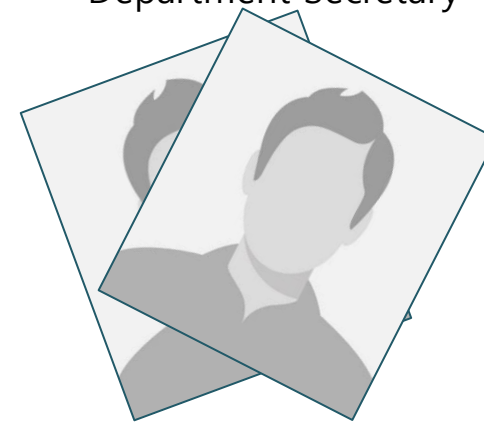
Mr. Kazi Wahiduzzaman
Record Assistant



Md. Shukkur Dewan
Office Support Staff



Mr. Kutub Uddin
Office Support Staff



Md. Saidul and others
Office Support Staff

Programs and Course Curriculum

Electrical and Computer Engineering (ECE)

- BS in Computer Science and Engineering (CSE)
- BS in Electrical and Electronic Engineering (EEE)



BAETE

- MS in Computer Science and Engineering (CSE)
- MS in Electrical and Electronic Engineering (EEE)



UNDERGRADUATE

- Admission
 - Prospective Students
 - Transfer Students
 - Internal Transfers
 - External Transfers
- Academics
 - Programs
 - Advising
 - Policies
 - Directed Research (498R)
 - Financial Aid
 - Internship (498R)

Home > Undergraduate > Academics > Programs

<http://ece.northsouth.edu>

PROGRAMS

The Department of Electrical and Computer Engineering (ECE) currently offers the following undergraduate degree programs:

Effective from Fall 2014 and onward

- Bachelor of Science in Computer Science and Engineering (BSCSE) – 130 credit hours
- Bachelor of Science in Electrical and Electronic Engineering (BSEEE) – 130 credit hours
- Bachelor of Science in Electronics and Telecommunication Engineering (BSETE) – 130 credit hours

The above degree programs refer to the revised curriculum incorporating university-wide broad-based general education components effective from Fall 2014 and later.

Prior to Fall 2014

- Bachelor of Science in Computer Science and Engineering (BSCSE) – 134 credit hours
- Bachelor of Science in Electrical and Electronic Engineering (BSEEE) – 135 credit hours
- Bachelor of Science in Electronics and Telecommunication Engineering (BSETE) – 128 credit hours

Students who enroll under the curriculum prior to Fall 2014 and wish to transfer to the later curriculum (effective from Fall 2014) may apply using the curriculum transfer form through the ECE Program office located at SAC942

Prior to Fall 2012

Students enrolled prior to **Fall 2012** should refer to the appropriate General Catalog or contact the ECE Program Office (SAC942) for assistance.



Degree Requirements

SL #	Category	Credits
1	General Education (GED) / University Core	34
2	Basic Sciences / SEPS Core	38
3	CSE/EEE/ETE Major Core	42
4	CSE/EEE/ETE Major Capstone Design Project (2)	4
5	CSE/EEE/ETE Major Electives (3)	9
6	Open Electives (1)	3
7	Intern/Co-op (minimum 8- 12 weeks)	Non-credit
	Total Credit	130 Credits

	Semester 1	CSE Semester 2
1 st Year	ENG102 (3 cr.) MAT116 (0 cr.) MAT120 (3 cr.) CSE115+CL (4 cr.) GED 1 (3 cr.)	ENG103 (3 cr.) MAT125 (3 cr.) MAT130 (3 cr.) CSE215+CL (4 cr.) CSE173 (3 cr.)
2 nd Year	ENG111 (3 cr.) GED 2 (3 cr.) MAT250 (3 cr.) PHY107+CL (4 cr.) CSE225+IL (3 cr.) EEE141 + CL (4 cr.)	HIS102 (3 cr.) PHY108 +CL (4 cr.) MAT350 (3 cr.) CSE231+IL (3 cr.) CSE311+IL (3 cr.) EEE111 + CL (4 cr.)
3 rd Year	GED 3 (3 cr.) CHE 101+CL (4 cr.) EEE154 (1 cr.) CSE299 (1 cr.) BIO103+CL (4 cr.) CSE373 (3 cr.) CSE332 (3 cr.)	GED 4 (3 cr.) GED 5 (3 cr.) MAT361 (3 cr.) CSE327 (3 cr.) CSE331 + IL (3 cr.) CSE323 (3 cr.)
4 th Year	GED: 6 (3 cr.) EEE452 (3 cr.) ELECT1 (3 cr.) CSE425 (3 cr.) CSE499A (1.5 cr.)	ELECT2 (3 cr.) ELECT3 (3 cr.) OPEN ELECT (3 cr.) CSE499B (1.5 cr.) CSE498R (0 cr.)

	Semester 1	EEE Semester 2
1 st Year	ENG102 (3 cr.) MAT116 (0 cr.) EEE141+CL (4 cr.) MAT120 (3 cr.) GED 1 (3 cr.)	ENG103 (3 cr.) MAT 125 (3 cr.) MAT130 (3 cr.) EEE241+CL (4 cr.) PHY107+CL (4 cr.)
2 nd Year	ENG111 (3 cr.) CSE115+CL (4 cr.) MAT250 (3 cr.) MAT350 (3 cr.) EEE111+CL (4 cr.)	MAT361 (3 cr.) EEE211+IL (3 cr.) EEE221 (3 cr.) EEE311+CL (4 cr.) PHY108 +CL (4 cr.) GED 2 (3 cr.)
3 rd Year	EEE361 (3 cr.) EEE154 (1 cr.) HIS102 (3 cr.) CHE 101+CL (4 cr.) EEE299 (1 cr.) GED 3 (3 cr.) GED 4 (3 cr.)	EEE312+IL (3 cr.) EEE342+CL (4 cr.) EEE363+CL (4 cr.) BIO103+CL (4 cr.) GED 5 (3 cr.)
4 th Year	EEE362+IL (3 cr.) EEE452 (3 cr.) EEE321+IL (3 cr.) ELECT1 (3 cr.) GED 6 (3 cr.) EEE499A (1.5 cr.)	ELECT2 (3 cr.) ELECT3 (3 cr.) OPEN ELECT (3 cr.) EEE499B (1.5 cr.) EEE498R (0 cr.)


Advising and Registration

- **Undergraduate advisor**
 - You will be assigned an ECE faculty as your undergraduate advisor
 - Advisor will guide you throughout your NSU life for:
 - Course selection and advising
 - Academic and administrative advise
 - Career development
 - Emotional Support
- Beginning of each semester, Students **must complete their on-line course advising** to add/drop course registration
- Please make applicable **tuition/fees payment** arrangement as required by NSU
Steps to follow:
 - Advising (partially done) → Accounting (verification) → Goto Bank to pay the amount → Come back to Registration with payment slip → "You are now OK"*
- Students who advised for current semester but do not officially drop the semester will have to pay full amount before advising in the next semester.
- Please follow academic calendars as announced by NSU authority

Summer 2024

Date	Day	Event
23-Jun-24	Sunday	Last day of grade submission Spring 2024
30-Jun-24	Sunday	Online course registration for regular and probation students of Summer 2024: BEGINS Online course add/drop/section change: BEGINS
4-Jul-24	Thursday	Online course registration for regular and probation students of Summer 2024: ENDS Online course add/drop/section change: ENDS
6-Jul-24	Saturday	Tentative Orientation program for newly admitted undergraduate students of Summer 2024
7-Jul-24	Sunday	Course registration for newly admitted students of Summer 2024
8-Jul-24	Monday	Last day of section cancellation and merging
9-Jul-24	Tuesday	Classes begin (Summer 2024) Payment of tuition fee: BEGINS
17-Jul-24	Wednesday	<i>Holiday- Ashura (Subject to sighting of the moon)</i>
18-Jul-24	Thursday	Last day of online drop of courses with 100% refund
28-Jul-24	Sunday	<i>No Classes (25th Convocation 2024)</i>
29-Jul-24	Monday	Last day of online drop of courses with 50% refund
15-Aug-24	Thursday	<i>Holiday- National Mourning Day</i>
19-Aug-24	Monday	Last day of payment of 1st installment (50% of tuition fee)
20-Aug-24	Tuesday	Payment of tuition with late fee of Tk.2,000/-: BEGINS
26-Aug-24	Monday	<i>Holiday- Jannathanni (Subject to sighting of the moon)</i>
10-Sep-24	Tuesday	Last day of online drop of courses with 0% refund with "W" grade
12-Sep-24	Thursday	Last day of payment of tuition for financial aid recipients without late fee
16-Sep-24	Monday	<i>Holiday- Eid-e-Miladunabi</i>
29-Sep-24	Sunday	Last day of payment of tuition with late fee of Tk.2,000/-
30-Sep-24	Monday	Last day of payment of 2nd installment (remaining 50% of tuition fee)
1-Oct-24	Tuesday	Payment of tuition fee with late fee of Tk. 2,000/- +Tk. 100/- per day: BEGINS
3-Oct-24	Thursday	Online Teaching Evaluation: BEGINS
11-Oct-24	Friday	<i>No Classes</i>
12-Oct-24	Saturday	<i>No Classes</i>
13-Oct-24	Sunday	<i>Holiday- Durga Puja</i>
14-Oct-24	Monday	<i>No Classes</i>
22-Oct-24	Tuesday	Last day of ST classes
24-Oct-24	Thursday	Regular MW classes
26-Oct-24	Saturday	Last day of RA classes
27-Oct-24	Sunday	Last day of MW classes, Online Teaching Evaluation: ENDS
28-Oct-24	Monday	No classes
29-Oct-24	Tuesday	No classes
30-Oct-24	Wednesday	Final Exam: BEGINS
11-Nov-24	Monday	Final Exam: ENDS
17-Nov-24	Sunday	Last day of grade submission Summer 2024

→ ↻ ⚠ Not secure | http://www.northsouth.edu/academic/academic-calender



**NORTH SOUTH
UNIVERSITY**

Publications Int'l Partnership **Academic Calendar** Newsletters

Home About ▾ Academic ▾ Faculty ▾ Admission ▾

Center of Excellence in Higher Education

<https://northsouth.instructure.com/>



Welcome to
canvas
for Students and Faculty



How Final Grade Calculated?

- Attendance \approx 5%
- Assignments \approx 5%
- Quizzes (3~4) \approx 20%
- Mid Term Examination \approx 30%
- Projects/Research Papers/Presentations \approx 20%
- Lab Performance \approx 20%
- Final Exam \approx 40%

YOU NEED TO WORK HARD THROUGHOUT A SEMESTER!

Grading System

NSU follows international standard of Letter grading system

Numerical Scores

93 and above

90 – 92

87 – 89

83 – 86

80 – 82

77 – 79

73 – 76

70 – 72

67 – 69

60 – 66

Below 60

Letter Grade

A Excellent

A-

B+

B Good

B-

C+

C Average

C-

D+

D Poor

F* Failure

I** Incomplete

W** Withdrawal

X** Continuation

Grade Points Per Credit

4.0

3.7

3.3

3.0

2.7

2.3

2.0

1.7

1.3

1.0

0.0

0.0

0.0

0.0

How to calculate Cumulative Grade Point Average (CGPA)

- Students' grade-point averages are numerical values obtained by dividing the total grade points earned by the credits attempted.
- Only courses' graded A, A-, B+, B, B-, C+, C, C-, D+, D, and F are used to determine credits attempted.

Letter Grade	Grade Point	Course Credit	Point
A	4.0	3.0	$4.0 * 3.0 = 12.0$
A-	3.7	3.0	$3.7 * 3.0 = 11.1$
B+	3.3	2.0	$3.3 * 2.0 = 6.6$

Total point earned : $12.0 + 11.1 + 6.6 = 29.7$

Total credit completed: $3 + 3 + 2 = 8.0$

Grade Point Average (GPA) is $29.7/8.0 = 3.71$

Accident May Happen!!

• Probation:

- ✘ Students with a GPA below 2.00 are placed on probation

1st probation – Yellow Warning
2nd probation – Orange Warning
3rd probation – Red Warning
4th Probation - Dismissed



- ✘ NSU students who have been dismissed from the University may apply for readmission with some terms

• Help is Ready – DO NOT FEEL SHY !!!

- ✓ We are always ready to help you through
 - Academic counseling
 - Personal advice
- ✓ NSU Counseling Center (SAC - 4th floor) can be a great help for emotional support



You must retake courses with F or very Low Grades

Students' Engagement

- **ECE students are involved in different professional organization and societies such as IEEE & ACM**
 - IEEE NSU Student Branch
 - IEEE RAS SC
 - IEEE PES SC
 - IEEE NSU WIE
 - IEEE NSU IAS
 - ACM Student Chapter
 - NSU ACM-W Student Chapter
 - NSU ACM SIGAPP Student Chapter
- **Students are also engaged various extra-curricular and social activities through student clubs, such as**

1. Art & Photography Club	1. Earth Club
2. Computer & Engineering Club	2. Public Health & Sciences Club
	3. Pharmaceutical Club

1. Communications Club	1. Finance Club
2. Ethics and Diversity Club	2. Human Resources Club
3. Law and Mooting Society	3. Marketing Club
4. Model UN Club	4. MBA Club
	5. Young Economists Forum
	6. Young Entrepreneurs Society



INSB Receiving IEEE R-10 exemplary student branch award - 2018

1. Athletics Club
2. Cine & Drama Club
3. Debate Club
4. Sangskritik Sangathan
5. Social Services Club

Technical Segments



Electrathon



Playing with Pixels
(Image Processing &
Computer Vision)



Python Workshop



IoT for Tomorrow

Student Professional Awareness Conference
(SPAC)



IEEE PES, IEEE RAS for Kids (Humanitarian Event)





Gaming Contest

PHOTOGRAPHY
CONTACT: 02712236674



Hour of Code-2018



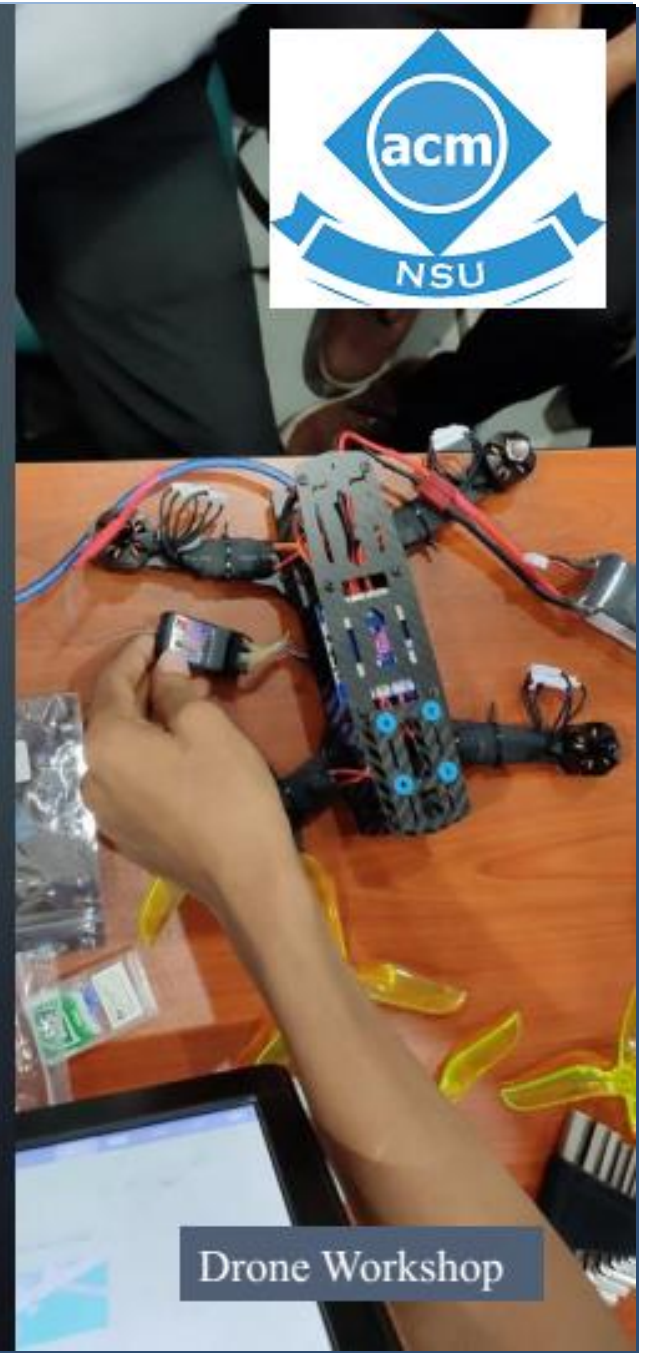
Linux Workshop



Innovation Challenge Season 7



HackNSU-2019



Drone Workshop



Club Activities

Blood Donation



Eid Gift to Needy



Winter Cloth Distribution



Annual Doa Mahfil



Against the Drug and Smoke



Sharing Iftar





Learning gets better with sharing.



"You don't get what you wish for. You get what you work for."





Thank you!
