NORTH SOUTH UNIVERSITY

Department of Electrical and Computer Engineering

School of Engineering and Physical Science

Master of Science in
COMPUTER SCIENCE & ENGINEERING
MSCSE

SCAN HERE

MASTER OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING (MSCSE)

Our Objectives

The MSCSE program at North South University (NSU) aims to develop skilled professionals capable of addressing societal challenges through computing technology. Building on the success of its internationally competitive undergraduate CSE program modeled after leading North American universities, NSU now seeks to strengthen its graduate program with a focus on research and technopreneurship.

The program was designed after extensive study of ACM and IEEE Computer Society reports, leading North American curricula, global and local IT industry trends, and consultations with experts. While creating a world-class graduate program in Bangladesh is challenging, NSU has invested in state-of-the-art facilities, advanced laboratories, and a distinguished faculty, providing a strong foundation for growth.

Research areas include distributed multimedia computing, robotics and intelligent machines, software engineering, networking, algorithms and complexity, graphics and visualization, architecture, telecommunications, and bioinformatics. The curriculum balances coursework and thesis work to develop both breadth and depth of expertise in graduates.

Research Exposure

- A Significant number of publications in Q1/Q2 journals or present at A/A* conferences.
- Advanced research laboratory facilities including the Cyber-Physical Systems (CPS) Lab, NSU Intelligent Robotics (NIRO) Lab, and Machine Intelligence Lab (MIL).

Benefits & Opportunities

- Opportunities to work as a Graduate Teaching Assistant (GTA), or Graduate Research Assistant (GRA), Foreign Graduate Assistant (FGA) roles with lucrative tuition fee waivers
- Availability of 3 Merit-Based NSU scholarships based on admission test scores Scholarships ranging from 50-75% tuition fee waiver based on undergraduate CGPA (for NSU graduates only)
- Scholarships ranging from 50-100% tuition fee waiver based on undergraduate CGPA (for international applicants only)
- Opportunities to work as a Research Assistant (RA) in national or international funded research projects
- Can gain cutting-edge skills to secure high-paying jobs locally and globally
- Flexible Class Schedules (Friday and Saturday classes mostly)
- Affordable per credit cost of BDT 4500 (USD 37.25) only

Admission Requirements

- A four-year bachelor's or equivalent degree in Computer Science/Computer Engineering/Computer Science and Engineering/Information Technology or any computer-related areas from an accredited public or private university in Bangladesh or abroad with a grade point average of at least 2.75 (in the 4.0 scale).
- A three-year bachelor's or equivalent degree in Computer Science/Computer Engineering/Computer Science and Engineering/Information Technology or any computer-related areas from an accredited public or private university in Bangladesh or abroad with a grade point average of at least 2.75 (in the 4.0 scale) may be admitted on condition that at least 15 credits of foundation courses from the undergraduate curriculum must be completed at NSU in order to be a regular student in the MS in Computer Science & Engineering program.
- Minimum grade point average of 2.75 (on the 4.0 scale)
- A score of 1100 or CBT 302 in the Quantitative and Verbal part of the GRE General Test is acceptable to waive the NSU admission test.
- Two letters of recommendation, at least one must be from the faculty members of the last institution attended.
Students having a background other than computer science (e.i. mathematics, economics) will be required to take a number of undergraduate courses in order to qualify for the Master's program.

Degree Requirements

Students must choose one of the following options:
- A Thesis (6 cr) with 24 credits course work and passing of Qualifying Examinations in 3 areas
- A Project (3 cr) with 27 credits course work and passing of Qualifying Examinations in 4 areas
- Only 27 credits course work with special courses (3+3=6 cr) and passing of Qualifying Examinations in 5 areas
- The minimum and maximum time to complete the degree requirements are 3 semesters and 5 years respectively from the initial enrolment of the Masters' program. The residency requirement is 21 credit hours including the Masters Thesis. A maximum of 9 credits are transferable from other universities.

Contact US

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