



NORTH SOUTH UNIVERSITY



**Department of Electrical and
Computer Engineering**

School of Engineering and Physical Science

Master of Science in Electrical and Electronic Engineering



SCAN HERE

MSEE

MASTER OF SCIENCE IN ELECTRICAL & ELECTRONIC ENGINEERING (MSEE)

Our Objectives

The Master of Science in Electrical and Electronics Engineering (MS-EEE) program at NSU is designed to train the students to become competent and efficient engineers in the area of communication, Electronics, Control, System, Powers and other Electrical Engineering related fields as well as to provide support for industrial research needs. The graduates will be able to plan, analyze, design, implement, operate, test, maintain and manage the Electrical and Electronics systems and business. The program is highly recommended for the students who wish to pursue highest level of academic carrier with the focus of research in the Electrical and Electronics Engineering. The program is also easily accessible to engineering professionals who wish to pursue advanced studies in Electrical Engineering in order to obtain technical as well as engineering management positions in the industry.

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 & Opportunity

- 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

Degree Requirements

The ECE master's program at NSU offers both a thesis option and a non-thesis option for the master of science (MS) degree in the Electrical and Electronics Engineering (EEE) major.

- The total credit hours required to complete the MS-EEE degree are 33 credit hours minimum beyond the Bachelor's Degree which includes a thesis work.
- The total credit hours required to complete the MS-ENG degree are 36 credit hours minimum beyond the Bachelor's Degree which does not require a thesis work.

However, these options are available only for the students who can enroll as Regular Graduate Student Status at EEE. A student with a Bachelor of Science (B.S.) degree in EE/EEE/ETE/ECE from an accredited university may be admitted as a Regular Graduate Student status in the MS EEE program. This status allows the student full participation in the MS-EEE program.

Admission Requirements

General requirements for admission to the MSEE program:

- The students who have completed B.S. in EE/EEE/ETE/ECE are eligible to apply for admission in EEE Master Program.
- The students who do not hold a B.S. degree in EE/EEE/ETE/ECE but obtained B.S. degree in other engineering program/Applied Physics may enroll in the MS in Electrical Engineering Program provided that they complete the remedial courses required by the Department. The students will be required to pass Signals and Systems. In addition, they must demonstrate proficiency in three of the five following areas of specialization by successfully completing or challenging the corresponding courses: Electromagnetic, basic course on communication, electronics, control systems and electrical machines or energy conversion. In some cases, the EEE Graduate Admission Committee may require additional remedial classes. The list of remedial courses are as follows:

EEE111 Analog Electronics I
EEE141 Electric Circuit I
EEE221 Signals and Systems
EEE241 Electric Circuit II
EEE 311 Analog Electronics II
EEE313 Semiconductor Devices and Technology
EEE312 Power Electronics
EEE321 Introduction to Communication Systems
EEE 342 Control Engineering
EEE361 Electromagnetic Fields
EEE362 Electrical Transmission and Distribution Systems
EEE363 Electrical Machines

- The minimum grade point average (GPA) of at least 2.75 (in a 4.0 scale) or minimum of 2nd-class in BSc-Hons/M.Sc.
- Acceptable score in the NSU admission Test or a score of 1100 in the Quantitative and Verbal part of GRE General Test (old system) or equivalent in new GRE system (CBT 302 in the Quantitative & Verbal part).
- Three letters of recommendation are required.

Contact US

Department Secretary

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