



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

School of Electrical and
Electronic Engineering
College of Engineering

BUILDING THE FUTURE OF TECHNOLOGY



MASTER OF SCIENCE (MSc)

One degree, a world of opportunities

Master of Science Programmes

The School of Electrical and Electronic Engineering (EEE) of NTU offers 5 Master of Science programmes in specialised fields, which are highly relevant and sought-after among several industries. Our well-developed and advanced curricula provide graduate students with modern insights across various fields thus enhance their practical and research skills required by industries.



Programme Overview of Individual Master of Science (MSc) Programmes

MSc (Communications Engineering) programme:

An in-depth study into the broad area of communications engineering, this curriculum is a springboard for aspiring engineers to improve their knowledge and skills in the ever-evolving telecommunications and information industries. Buoyed by our teaching staff's valuable research experience, this programme promotes and develops career advancements for practising engineers to become talented design engineers, readying them for high calibre R&D and arming them with an array of specialist skills.

MSc (Computer Control & Automation) programme:

This comprehensive study hones the skills of electrical engineers in the field of development, integration and operation of multi-disciplinary computer-based control and automation systems

MSc (Electronics) programme:

The scope of this programme ranges from IC design and microelectronics to optoelectronics. IC design deals with circuit design and analysis, signals in electronics, packaging and reliability. Microelectronics focuses on manufacturing, fabrication and semiconductor devices. Optoelectronic emphasises on display technologies, photonics and related topics. Together with a wide choice of elective courses, this course is designed to meet the global demands of engineers, leaders and researchers.

MSc (Power Engineering) programme:

This programme is targeted at professional and practising engineers, R&D managers, power system designers, industry planners and/or professionals working in Renewable Energy field who possess a keen interest in the fields of power generation and energy utilisation. Its robust and up-to-date framework prepares students for the burgeoning demands of the modern power/energy industries as well as renewables, their generation, conversion and utilisation techniques.

MSc (Signal Processing and Machine learning) programme:

Signal processing and algorithm development are becoming increasingly multidisciplinary, and their applications can be found in many diverse engineering environments. This course is structured to facilitate an in-depth understanding of recent approaches and evolving trends in DSP and AI technologies. It is designed for engineers and postgraduate students who wish to step into this exciting and dynamic engineering discipline.

For more information on Admission Requirement, Programmes Structure and Duration, Curriculum, and Tuition Fees please visit:

**MSc
Communications
Engineering
Programme**



**MSc
Computer Control
& Automation
Programme**



**MSc
Electronics
Programme**



**MSc
Power
Engineering
Programme**



**MSc Signal
Processing and
Machine Learning
Programme**



Admission Requirements:

- A good relevant Bachelor's degree.
- Relevant practical/working experience is an advantage.
- TOEFL/IELTS is required for graduates from universities with non-English medium of instruction.

Please refer to the following URL for the admission requirements (TOEFL/IELTS)
<https://www.ntu.edu.sg/admissions/graduate/cwadmissionguide>

Coursework Programmes Admission Guide



How to Apply?

- Applicants must submit their applications with necessary supporting documents electronically via the Coursework Programme Graduate Admission website at https://wis.ntu.edu.sg/webexe/owa/coal_main.notice
- EEE MSc Programmes have two intakes per academic year in August and in January.
- The application period will be from 1st November to 31st March for the August intake and 1st July to 31st August for the January intake.

Graduate Admission



For EEE MSc Programmes administrative enquiries, please email: eee_msc@ntu.edu.sg

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