



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

School of Materials
Science and Engineering
College of Engineering

SCHOOL OF MATERIALS SCIENCE AND ENGINEERING

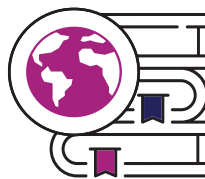
Graduate Programmes



Reasons to choose our MSE Postgraduate Programmes



Consistently ranked among the top universities globally in Materials Science



Learn from faculty who are recognised as top 2% scientists in the world



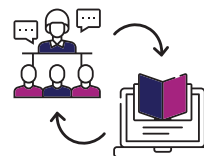
Equipped skills that aligned with global industry demand



Gain access to a dynamic, innovative, and interdisciplinary learning environment.



Exposure to real-world engineering and materials challenges



Enjoy the flexibility of a mixed-learning approach that combines asynchronous online learning with conventional face-to-face teaching.

Career Prospects

Our postgraduate programmes are designed to prepare graduates for meaningful careers in high-impact industries and advanced research such as:



Aerospace / Defence



Biomedical & Healthcare



Consumer Business



Chemical & petrochemical



Electronics & Semiconductors



Energy & Renewable Technologies



Sustainability & Environmental Technology



Research & Academia



Who should apply?

The programme welcomes local and international applicants. It is ideal for:

- Recent Graduates
- Working professionals
- Lifelong learners
- Industry Practitioners

Doctor of Philosophy (PhD) & Master of Engineering (MEng)

Take your research passion to greater heights by joining our Doctor of Philosophy (PhD) and Master of Engineering (MEng) by Research programmes.

Application Period and Eligibility Details

January Intake

Application period (1 June – 31 July)

August Intake

Application period (1 November – 28 February)

- Relevant Bachelor's degree Honours (2nd upper, distinction or higher)
- Demonstrated ability for independent research in proposed field
- Good TOEFL/ IELTS score for applicants whose native language is not English. Test dates no more than 2 years from application date.

Candidature Period

Ph.D

Full time: 2 years minimum / 5 years maximum

Part time: 3 years minimum / 5 years maximum

M.Eng

Full time: 1 year minimum / 3 years maximum

Part time: 1 years minimum / 3 years maximum



Research areas

Creating real world solutions, our research areas span the following areas:



Energy & The Environment

- Sustainability and Clean Energy
- Circular Economy
- Green Chemistry
- Catalysis for Green Energy
- Next Generation Solar Cells
- Fire-Resilient and Sustainable Built Environments



Advanced Materials & Manufacturing Innovation

- Semiconductors and Novel Semiconductors
- Advanced and Additive Manufacturing
- Flexible Electronics
- 2D Materials



Health & Medical Technologies

- Biomedical Devices
- Sensing and Flexible Electronics
- Drug / Payload Delivery Systems



Computational Materials Science & AI for Accelerated Materials Discovery

- Computational Materials Science
- State of the Art Characterisation
- Materials Discovery with AI

PhD Scholarship



Scan to find out more details on the available scholarships



Scan to find out more about Ph.D and M.Eng

School of Materials Science and Engineering (MSE)

Nanyang Technological University, Singapore
50 Nanyang Avenue, Block N4.1, Graduate Studies Office, Singapore 639798



Connect With Us



msegraduate@ntu.edu.sg



www.ntu.edu.sg/mse



[@ntumse](https://www.facebook.com/ntumse)



[@ntu_mse](https://www.instagram.com/ntu_mse)

Information is correct at time for print. For the most updated information, visit www.ntu.edu.sg/mse.