



## Division of Materials Science and Engineering

**MPhil-PhD in Materials Science and Engineering**

**Code: MSE**

### Programme

The programme is research-oriented. Facilities are available for working in a broad range of areas in materials science and engineering. Research topics may vary from year to year and applicants should contact the Division of Materials Science and Engineering for details.

### MPhil Stream

*Full-time Mode*

*(Normative Study Period: 24 months)*

- Coursework : 12 units
- Thesis Research : 6 units each term

*Part-time Mode*

*(Normative Study Period: 36 months)*

- Coursework : 12 units
- Thesis Research : 3 units each term

In the final year of study, the student must submit a thesis to Division and pass an oral examination defending his/her thesis.

### PhD Stream

Students must pass the candidacy examination within 24 months from first entry.

*Full-time Mode*

*(Normative Study Period: 48 months)*

- Coursework : 12 units
- Guided Study : 1 unit each term
- Thesis Research : 6 units each term during pre-candidacy period and 12 units each term during post-candidacy period

For students entering with a research master's degree, the normative study period is 36 months.

*Part-time Mode*

*(Normative Study Period: 64 months)*

- Coursework : 12 units
- Guided Study : 1 unit each term
- Thesis Research : 3 units each term during pre-candidacy period and 6 units each term during post-candidacy period

For students entering with a research master's degree, the normative study period is 48 months.

In the final year of study, the student must submit a thesis to Division and pass an oral examination defending his/her thesis.

Please visit the Division's homepage for more information.

### Fields of Specialization

Nanostructured Materials and Nanotechnology, Optical Properties of Semiconductors, Material Testing, Cubic Boron Nitride Growth and Mechanism, Composite Materials, Physics of Thin Films, Undercooled Liquids and Glass Formation, Nonlinear Optics, Thermoluminescence, and Applications of Ion-beam Techniques in Surface Science.

### Admission Requirements

Applicants must meet the general qualifications required for admission to the Graduate School<sup>1</sup> and should have a Bachelor's degree in Materials Science and Engineering or a related field.

### Additional Application Information

Qualified applicants will be invited to take an entrance examination and interview. However, applicants who have satisfactory score of the GRE Test in Physics, Chemistry or related subjects taken within the past three years may be exempted from the entrance examination.

Application Deadline : 28 February 2010 (MPhil)  
Throughout the year (PhD)

### Contact Methods

**Address** : Division of Materials Science and Engineering,  
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**Tel. no.** : 2609-6340  
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1. For the general qualifications required for admission to the Graduate School, please refer to pages 18-19.