

## **Master of Philosophy (MPhil) and Doctor of Philosophy (PhD) Programs in Nano Science and Technology**

### ***Curriculum for Master of Philosophy (MPhil) Program in Nano Science and Technology***

The Master of Philosophy (MPhil) program aims to train postgraduate students to conduct independent research in nano science and technology. Specific requirements for the MPhil program are:

- a) Completion of at least 12 credits of PG courses, of which at least 6 credits must be from the NANO courses. Full-time students are expected to complete the coursework requirements during their first four regular terms of studies;
- b) Subject to the approval of the thesis supervisors and the Program Director, students may take a maximum of 6 credits of PG elective courses that are non-NANO courses;
- c) Completion and passing LANG 5010 Postgraduate English for Science Studies, which should be taken in the first year of study. The 1 credit earned from LANG 5010 cannot be counted towards the credit requirements.
- d) Completion of NANO 6010 Advanced Topics in Nano Science and Technology at least once;
- e) Registration in NANO 6990 MPhil Thesis Research; and
- f) Presentation and oral defense of the MPhil thesis.

### ***Curriculum for Doctor of Philosophy (PhD) Program in Nano Science and Technology***

The Doctor of Philosophy (PhD) program aims to train postgraduate students in carrying out original research in nano science and technology, and to cultivate independent and innovative thinking. Specific requirements for the PhD program are:

- a) Students admitted with a bachelor's degree only are required to complete at least 15 credits of PG courses, of which at least 6 credits must be from the NANO courses. Full-time students are expected to complete the coursework requirements during their first four regular terms of study;

- b) Students entering the program with a relevant master's or equivalent degree may be granted credit transfer of up to 6 credits by the Program Director based on their background in the related subject areas. They must complete at least 3 credits of the NANO courses. The students' course selection must be agreed by their thesis supervisor and approved by their respective Thesis Supervision Committee;
- c) Students are required to complete and pass LANG 5010 Postgraduate English for Science Studies, which should be taken in the first year of study. The 1 credit earned from LANG 5010 cannot be counted towards the credit requirements.
- d) Students must pass a qualifying examination specified by the Qualifying Examination Committee of the NANO PG Program;
- e) Students must take NANO 6010 Advanced Topics in Nano Science and Technology at least once;
- f) Registration in NANO 7990 Doctoral Thesis Research; and
- g) Presentation and oral defense of the PhD thesis.