

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 postgraduate courses, of which at least 4 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) Completion of and passing LIFS/ CHEM/ MATH/ PHYS 6770 Professional Development in Science (Life Science/ Chemistry/ Mathematics/ Physics). Students are expected to complete the course requirements in their first year of study. The maximum time allowed for course completion is two years for full-time students, or three years for part-time students. The 2 credits earned from LIFS/ CHEM/ MATH/ PHYS 6770 cannot be counted toward the credit requirements;
- c) Completion of 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 toward the credit requirements;
- d) Registration in NANO 6990 MPhil Thesis Research; and
- e) 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 postgraduate courses, of which at least 4 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 based on their background in the related subject areas, subject to prior approval from the PG Coordinator. Students must complete at least 3 credits of NANO courses. Students' course

selection must be agreed by their thesis supervisors and approved by their respective Thesis Supervision Committee;

- c) Completion of and passing LIFS/ CHEM/ MATH/ PHYS 6770 Professional Development in Science (Life Science/ Chemistry/ Mathematics/ Physics). Students are expected to complete the course requirements in their first year of study. The maximum time allowed for course completion is two years for full-time students, or three years for part-time students. The 2 credits earned from LIFS/ CHEM/ MATH/ PHYS 6770 cannot be counted toward the credit requirements. HKUST MPhil graduates in Nano Science and Technology who have taken and passed this course before may be exempted from this requirement, subject to prior approval from the PG Coordinator;
- d) 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 toward the credit requirements. HKUST MPhil graduates may be considered for exemption from this requirement;
- e) Students must pass a qualifying examination specified by the Qualifying Examination Committee of the NANO postgraduate program;
- f) Registration in NANO 7990 Doctoral Thesis Research; and
- g) Presentation and oral defense of the PhD thesis.