

## **Catalog of Postgraduate Programs and Curricula**

### **Curriculum for MPhil(ECE) (For students admitted in 2010-11)**

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#### **Program Requirements for Master of Philosophy (MPhil) Program in Electronic and Computer Engineering**

##### *Credits*

To complete **at least 15 credits** (excluding ELEC 6900 *Independent Study*) of approved coursework, of which at least 9 in the area of Electronic and Computer Engineering.

##### *Language Requirements*

Full-time students must pass LANG 5001 *Postgraduate English for Academic Purposes*.

- (a) *The 1 credit earned from LANG 5001 cannot be counted toward the credit requirements.*
- (b) *Exemption from taking LANG 5001 may be granted by the Department Head and PG Coordinator.*

##### *Research and MPhil Thesis Examination*

1. To conduct research and enroll in ELEC 6990 *MPhil Thesis Research*; and
2. To defend the MPhil thesis successfully.

##### *Concentration*

###### Nanotechnology Concentration

In addition to the program requirements specified above, students who opt for the Nanotechnology concentration are required to:

- Take 1 NANO course\*;
- Complete NANO 6010 *Advanced Topics in Nano Science and Technology* for 1 term; and
- Conduct research in nano area.

\* *NANO 540 and NANO 5450 can be counted as ELEC elective courses in partial fulfillment of the 15-credit program requirement.*

###### Energy Technology Concentration

In addition to the program requirements specified above, students who opt for the Energy Technology concentration are required to:

- Take 1 ENEG course;
- Complete ENEG 6010 *Advanced Topics in Energy Technology* for 1 term; and
- Conduct research in energy area.