



Postgraduate studies, Doctor of Philosophy (PhD) and Master of Science (MSc) offered in KUKUM are research based (presently), with a mix-mode masters in the pipe-line.

Programme Duration

Mode of Study	Master of Science (MSc)	Doctor of Philosophy (PhD)
Full Time	1 to 3 years	2 to 5 years
Part Time <i>(for local students only)</i>	2 to 5 years	3 to 7 years

Field of Research by Schools

1. SCHOOL OF MICROELECTRONIC ENGINEERING

- Micro- / nano-technology fabrication
- LSI / VLSI design
- Micro Electro Mechanical Systems (MEMS)
- Microelectronic Packaging

2. SCHOOL OF MATERIALS ENGINEERING

- Electronic Materials
- Ceramics
- Corrosion, surface and heat engineering
- Polymers

3. SCHOOL OF ELECTRICAL SYSTEM ENGINEERING

- Energy System
- Transformers
- Machine Design
- High Voltage Systems

4. SCHOOL OF COMPUTER AND COMMUNICATION ENGINEERING

- Embedded System Design
- Communications System
- Computer, Networking and Vision
- Artificial Intelligence & Software Engineering

5. SCHOOL OF MECHATRONIC ENGINEERING

- Biomedical Engineering
- Robotics and Automation
- Image Processing
- Acoustic Engineering

6. SCHOOL OF MANUFACTURING ENGINEERING

- Manufacturing Systems, Technologies and Management
- Design
- Industrial Control Systems
- Automotive Engineering

Postgraduate Studies In KUKUM

Financial Assistance

1. Kolej Universiti Kejuruteraan Utara Malaysia (KUKUM)

The university provides financial assistance to selected eligible local and international post-graduate students in the form of employment as :

1. Research Assistant (RA)
2. Research Officer (RO)
3. Graduate Assistant (GA)

2. Scholarships awarded by Ministry of Science, Technology and Innovation (MOSTI)

National Science Fellowship 2006

Qualified Malaysian citizens are eligible to apply for the National Science Fellowship 2006 (NSF) Research Scholarship under the auspices of Ministry of Science, Technology and Innovation (MOSTI) to attend full time studies on research basis at Masters and Doctorate levels in locals institutions of higher learning. The NSF Scholarship covers monthly allowance, tuitions fees and examination fees.

Students

Postgraduate students as June 2006 are as follows :

Field of Research	MSc		PhD	
	Full Time	Part Time	Full Time	Part Time
Computer Engineering	6	4	0	3
Microelectronic Engineering	6	4	1	0
Materials Engineering	1	6	0	1
Electrical System Engineering	0	4	0	1
Mechatronic Engineering	1	7	2	2
Manufacturing Engineering	1	1	1	0
Communication Engineering	0	1	0	0
Total	15	27	4	7
	42		11	

Total postgraduate students until June 2006 are 53