

## Scholarship

UTM offers a limited number of scholarships in the form of Research Assistantship for full-time post-graduate research students. If you have an excellent academic or profession record, and are passionate about research, you may apply for a research scholarship at UTM, and join a tradition of excellence in research and discovery.

### Scholarships For Malaysian Students

1. National Science Fellowship Scheme (NSF)
2. MyBrain15
3. PhD UTM Scholarship
4. Zamalah UTM
5. PTPTN
6. Financial Sponsorship from Ministry of Higher Education
  - Skim Latihan Akademik IPTA (SLAI) & Skim Latihan Akademi Bumiputera (SLAB)
  - Hadiah Latihan Persekutuan
  - Skim Latihan Tenaga Pengajar Teknikal (SLTP)
  - Biasiswa Khas Tenaga Akademik IPTA

### Scholarships For International Students

1. Islamic Development Bank (IDB)
2. Commonwealth Scholarship and Fellowship Plan (CSFP)
3. Malaysian Technical Cooperation Programme (MTCP)
4. Malaysian International Scholarship (MIS)

For further information, please go to the website  
<http://sps.utm.my/sps/scholarship>

## English Requirement

All international students applying to UTM must have a TOEFL or IELTS score as follows:

- TOEFL score of 550 (or 79 IBT or CBT 213)
- IELTS Band 6.

However, a student with a lower score and does not meet the entry requirement can be accepted after attending and passing the Intensive English Course (IEC). IEC can be one or two semesters depending on the performance of the student.

Further information, please refer to SPS website:  
<http://sps.utm.my>

## Facilities

A new faculty building will be completed in 2012 and equipped with 80 laboratories for teaching and research activities. Some of the laboratories are:

- Biomedical Signal Processing
- Basic Medical Diagnostic Lab
- Biomedical Communication Lab
- Biomedical Instrumentation Lab
- Modelling & Simulation
- Biomedical Automation Lab
- Tissue Culture & Biocompatibility Lab
- Biocomputing Lab
- Medical Analysis & Simulation Lab
- Medical Ergonomics Lab
- DNA & Genetic Computing Lab
- Thermal Imaging Lab
- Biomedical Electronic Lab



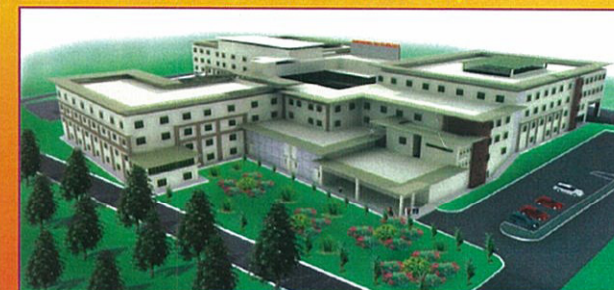
RESEARCH UNIVERSITY

### FACULTY OF BIOSCIENCES AND MEDICAL ENGINEERING

- Master of Engineering, M. Eng (Biomedical)
- Doctor of Philosophy, PhD (Biomedical Engineering)
- International Double Degree Programme, M. Eng & PhD (Biomedical Engineering)

**Faculty of Biosciences and Medical Engineering** is a newly established faculty in UTM intent on championing Biomedical Engineering and Health Science in this region. The faculty offers Biomedical Engineering programmes for both undergraduate and postgraduate. Established in August 2007, the faculty is supported by four departments namely the Department of Biomedical Instrumentation & Signal Processing, Department of Biomechanics and Biomedical Materials, Department of Therapy & Rehabilitation as well as the Department of Clinical Sciences and Engineering.

Further information:  
Web: [www.fbme.utm.my](http://www.fbme.utm.my)





## POSTGRADUATE PROGRAMMES

There are 3 postgraduate Biomedical Engineering programmes currently offered:

- **Master of Engineering, M. Eng (Biomedical)**
- **Doctor of Philosophy, PhD (Biomedical Engineering)**
- **International Double Degree Programme, M. Eng & PhD (Biomedical Engineering)**

### PROGRAMME STRUCTURE

The main component of the programmes is a research thesis. Student candidates need to prepare a research proposal for approval of the supervisor assigned by the faculty. Each student candidate need to complete a progress report at the end of each semester. At the end of the programme, student candidates need to submit a thesis for the purpose of examination and evaluation. Student candidates also need to pass the oral examination (viva voce).

### AREAS OF RESEARCH

- Biomedical Instrumentation
- Biosignal Processing
- Biomedical Imaging
- Biomechanics and Biomaterials
- Medical Computing
- Clinical Engineering
- Health Care Management System.
- Rehabilitation Engineering
- Sports Science Technology

## CAREER PROSPECT

Postgraduate studies are usually able to bring about a leap in one's career. Graduates of these programmes are expected to experience career advancement in their current jobs. Meanwhile, other job opportunities for these graduates include:

- Researchers at research and development institutes or universities responsible in spearheading research in biomedical engineering.
- Consultants in the field of biomedical engineering.
- Academia at universities.
- Managers and sales engineers for biomedical engineering products and equipment.
- Professionals responsible for designing and developing biomedical engineering products and equipment.
- Professionals responsible for developing computer software and systems to be used for biomedical engineering in healthcare facilities.

### PROGRAMME ADMISSION REQUIREMENT

To enroll in these postgraduate programmes, student candidates should meet the following requirements:

#### Admission to Master

- Bachelor Degree in Science, Medical Science, Medical, Engineering (Electrical, Electronic, Mechanical, Biomedical) or related disciplines with good honour from Universiti Teknologi Malaysia or other institutions of higher education approved by the Senate; or
- A student candidate with lower qualifications will be considered if the candidate is proven to have adequate academic background and appropriate working experience.

#### Admission to Doctor of Philosophy

- Master Degree in Science, Medical Science, Medical, Engineering (Electrical, Electronic, Mechanical, Biomedical) or related disciplines or other related fields with honours from UTM or other institutions of higher education approved by the Senate; or
- A student candidate with lower qualifications will be considered if the candidate is proven to have adequate academic background and appropriate working experience.

## INTERNATIONAL DOUBLE DEGREE PROGRAMME, M. Eng & PhD

The International Double Degree Programme enables students to be awarded with 2 certificates:

- **Doctorate Programme - Doctor of Philosophy (PhD) degree in Biomedical Engineering from UTM and Doctor in Computer Science and Automation (Dr.-Ing) from Technical University Ilmenau, Germany (TUIL).** The students are required to spend at least 9 months at the partner university.
- **Master Programme - Master in Biomedical Engineering (M. Eng) from UTM and/or Master in Biomedical Engineering (M.Sc) from TUIL.** The students are required to spend at least 7 months at the partner university.

For further information, please contact UTM-TUIL program coordinator Assoc. Prof. Ir. Dr-Ing Eko Supriyanto (eko@utm.my).

## TUITION FEES FOR POSTGRADUATE

Mainstream Programme And Special Mainstream Programme At UTM Johor Bahru Campus		
Master	Local	
	Full -Time (3 Semester)*	Part-Time (4 Semester)*
Taught Course	RM 4,598.00	RM 4,414.00
Taught Course and Research	RM 4,598.00	RM 4,414.00
Research	RM 4,998.00	RM 4,814.00
Master	International	
	Full -Time (3 Semester)*	Part-Time (4 Semester)*
Taught Course	RM 10,058.00	RM 9,294.00
Taught Course and Research	RM 10,058.00	RM 9,294.00
Research	RM 10,458.00	RM 9,694.00
Doctor of Philosophy	Local	
	Full -Time (6 Semester)*	Part-Time (8 Semester)*
Research	RM 9,546.00	RM 9,178.00
Doctor of Philosophy	International	
	Full-Time (6 Semester)*	Part-Time (8 Semester)*
Research	RM 20,466.00	RM 18,938.00