**PROGRAMMES OFFERED**

<table>
<thead>
<tr>
<th>PhD by research for full-time or part-time:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD in Civil Engineering</td>
</tr>
<tr>
<td>PhD in Electrical Engineering</td>
</tr>
<tr>
<td>PhD in Mechanical Engineering</td>
</tr>
<tr>
<td>PhD in Technical and Vocational Education</td>
</tr>
<tr>
<td>PhD in Technology Management</td>
</tr>
<tr>
<td>PhD in Real Estate and Facilities Management</td>
</tr>
<tr>
<td>PhD in Information Technology</td>
</tr>
<tr>
<td>PhD in Science</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Master's Degree by research for full-time or part-time:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master in Civil Engineering</td>
</tr>
<tr>
<td>Master in Electrical Engineering</td>
</tr>
<tr>
<td>Master in Mechanical Engineering</td>
</tr>
<tr>
<td>Master in Technical and Vocational Education</td>
</tr>
<tr>
<td>Master of Science in Technology Management</td>
</tr>
<tr>
<td>Master of Science in Real Estate and Facilities Management</td>
</tr>
<tr>
<td>Master in Information Technology</td>
</tr>
<tr>
<td>Master in Science</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Master's Degree by coursework for full-time only:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master in Civil Engineering</td>
</tr>
<tr>
<td>Master in Electrical Engineering</td>
</tr>
<tr>
<td>Master in Mechanical Engineering</td>
</tr>
<tr>
<td>Master in Technical and Vocational Education</td>
</tr>
<tr>
<td>Master in Technical Education (Civil Engineering)</td>
</tr>
<tr>
<td>Master in Technical Education (Electrical Engineering)</td>
</tr>
<tr>
<td>Master in Technical Education (Mechanical Engineering)</td>
</tr>
<tr>
<td>Master in Technical Education (Instructional Design and Technology)</td>
</tr>
<tr>
<td>Master in Business Administration</td>
</tr>
</tbody>
</table>

**CLOSING DATE FOR FORM SUBMISSION**

- December Admission: 8 November 2010
- April Admission: 28 January 2011

**NOTE:**
- Admission for research mode will be on April, July, October and December every year.

**ENGLISH MINIMUM REQUIREMENT**
- MUET Band 3 or TOEFL 500 or IELTS 5.0

**ADMISSION REQUIREMENTS**

**Master of Philosophy**
- Master's Degree from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate;
- Other qualifications equivalent to the Master's Degree with related experience deemed acceptable by the Senate;
- Bachelor's Degree with first class honours from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate;

**Master of Science**
- Bachelor's Degree with honours from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate;
- Other qualifications equivalent to the Bachelor's Degree with related experience deemed acceptable by the Senate;
- Minimum CPA for coursework CPA 2.30
- Masters in Business Administration CPA 2.75
- Research CPA 2.70

**Other Qualifications May Be Considered:**
- Bachelor's Degree in related field for those who do not meet the minimum CPA
- Higher Diploma equivalent to Bachelor's Degree

**SPECIAL REQUIREMENTS FOR TECHNICAL EDUCATION PROGRAMMES**

**Master in Technical Education (Civil Engineering)**
- Bachelor's Degree with honours in civil engineering from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate; and
- Education certificate; or
- Working experience at least 3 years in related field

**Master in Technical Education (Electrical Engineering)**
- Bachelor's Degree with honours in electrical engineering from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate; and
- Education certificate; or
- Working experience at least 3 years in related field

**Master in Technical Education (Mechanical Engineering)**
- Bachelor's Degree with honours in mechanical engineering from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate; and
- Education certificate; or
- Working experience at least 3 years in related field

**Master in Technical Education (Instructional Design and Technology)**
- Bachelor's Degree in Engineering
- Technology
- Architecture
- Transferable Skills
- Commerce
- Accountancy
- Tourism
- Hospitality

from Universiti Tun Hussein Onn Malaysia or any other institutions of Higher Learning recognised by the Senate; and
- Education certificate

**APPLICATION FORMS**

3. Counter purchase at: Centre for Graduate Studies, UTHM (RM5 charged)
4. Post to: Vice-Chancellor, UTHM
   - A stamped (RM2.00) self-addressed envelope (28cm x 34cm) and mail to:
   - Dean
   - Centre for Graduate Studies
   - Universiti Tun Hussein Onn Malaysia
   - 85402 Parit Raja, Batu Pahat
   - Johor Darul Ta'zim
   - MALAYSIA

Any enquiries and further details, please contact:
- Tel: (+60) 67-453757/7993
- Fax: (+60) 67-4538111
- Email: graduatestudies@uthm.edu.my
- Website: [http://pa.uthm.edu.my](http://pa.uthm.edu.my)

Incomplete application will not be considered
CIVIL AND ENVIRONMENTAL ENGINEERING

Areas of Research:
- Geotechnical Engineering • Construction Engineering • Structural Engineering
- Materials Engineering • Environmental Engineering • Water Resources Engineering
- Highway and Transportation Engineering • Building Engineering

Electives for coursework programmes:
- Geotechnical Engineering • Structural Engineering • Highway and Transportation Engineering
- Environmental Engineering • Water Resources Engineering

ELECTRICAL AND ELECTRONICS ENGINEERING

Areas of Research:
- Communication Engineering: Mobile Ad Hoc and Sensor Networks
- Wireless and Optical Communications • Computational Electromagnetic Compatibility
- Ionosphere and Aerospace Sciences • Radio Science and Satellite Communications
- Antenna and Wave Propagation • Microwave and RF Engineering • Digital Signal Processing

Electronics Engineering: Medical Electronics • Microelectronics • Nanotechnology
- Tissue Engineering • Biomedical Imaging • Plasma Processing Technology • Biosensors
- Cell Engineering • Telemedicine

Mechatronic and Robotics Engineering: Industrial Automation • Mechatronic & Robot Systems
- Medical Robotics and Teleoperation

Electric Power Engineering: Renewable Energy • Power Quality • Electric Drives
- Power Electronics • Industrial Power Systems • High Voltage Engineering • Power System Protection

Electives for coursework programmes:
- Electrical Power • Communication • Mechatronics • Microelectronics • Medical Electronics

MECHANICAL AND MANUFACTURING ENGINEERING

Areas of Research:
- Thermodynamics • Heat Transfer • Computational Fluid Dynamics • Noise and Vibration
- Advanced Manufacturing/Machining • CAD/CAM • Rapid Prototyping
- Industrial and System Engineering • Automation • Modelling and Simulations
- Optimizations • Scheduling • Indoor Air Quality and Thermal Comfort
- Composite • Advanced Material • Bio-Material • Polymer • Engineering Design
- CAE • Casting • Metal Fabrication • Powder Metallurgy • Vehicle Emissions
- Impact and Explosion Engineering • Computational Mechanics • Condition Monitoring
- Aeronautics • Aerodynamics • Flight Control • Wind Energy • Quality Control
- Quality Management System

Electives for coursework programmes:
- Manufacturing • Thermo Fluids • Materials

TECHNICAL EDUCATION

Areas of Research:
- Teaching and Learning • Life Long Learning • Curriculum • Women • Professional Development
- Development of Technology and Pedagogical Practices • Assessment • Entrepreneurship
- Instructional Design and Technology • Policy Study • Management • Human Resource Development
- Leadership • Moral Values • Quality Assurance • Economy

COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Areas of Research:
- Artificial Intelligence • Computer Aided Learning • Computer Graphics • Data Clustering • Data Mining
- Distributed Database • Formal Method • Grid Computing • Image Processing • Information System
- Optimization • Soft Computing • Software Engineering • Software Management • Software Specification
- Software Testing • Time Series Production • Uncertainty • Video Visualization

TECHNOLOGY MANAGEMENT, BUSINESS AND ENTREPRENEURSHIP

Areas of Research:
- Technology Management: Technology Management • Production and Operation Management
- Manufacturing Process • Total Quality Management • Industrial Forecasting
- Supply Chain Management • ICT in Manufacturing and Management • Technology Assessment
- Knowledge Management • Performance Evaluation • Construction Quality
- Concrete Technology in Construction • ICT in Construction • Project Management

Property and Facilities Management: Technology and Practice in Property and Facilities Management
- Property Finance and Investment • Property Development and Marketing • Asset Management
- Business Strategies and Support Services in Property and Facilities Management • Property Valuation
- Real Estate Agency and Marketing • Benchmarking of Property and Facilities Management Best Practice
- Environmental Management in Property and Facilities Management
- Sustainable Development in Construction • Housing Design • Housing
- Social Impact Assessment • Rural Planning and Development

SCIENCES

Areas of Research:
- Physics: Energy Physics • Environmental Physics • Electronic Physics • Laser Physics
- Optoelectronics • Materials Science • Applied Physics • Surface Science • Nuclear Physics, Nano-technology Physics
- Mathematics and Statistics: Fluid Mechanics • Numerical Analysis • Partial Differential Equation
- Neural Network Modelling • Statistical Modelling • Time Series Analysis • Non-linear Wave
- Applied Mathematics • Statistical Mathematics • Operational Research • Optimisation
- Probability and Statistics • Fuzzy Mathematics • Fuzzy Statistics and Topology
- Biology and Chemistry: Environmental Biology • Biodiversity • Environmental Conservation
- BioPolymer • Forestry Science • Wood Technology and Environmental Science

For further details, please contact:
Tel: (+60) 97-453775/777983
Fax: (+60) 97-453611
Email: graduatstudies@uthm.edu.my
Website: http://ips.uthm.edu.my
www.uthm.edu.my

Dean: Centre for Graduate Studies
Universiti Tun Hussein Onn Malaysia
86400 Parit Raja, Batu Pahat
Johor Darul Takzim
MALAYSIA