

# Postgraduate Research Degree Programmes



- Doctor of Philosophy (PhD)
- Doctor of Philosophy by Published Works
- Master's Degree by Research

The postgraduate research degree programmes at UTAR are dedicated to prepare candidates with intellectual background and research skills so that their research discoveries and insights are valuable for the advancement of knowledge and development of new ideas, theories and insights in the respective areas of study. It is academically demanding and requires strong level of commitment and perseverance from the candidates to complete individual research.

UTAR offers strong research culture, expertise and infrastructure in numerous research areas. Its research areas offer postgraduate candidates opportunities to acquire cutting-edge technologies as well as to prepare them for careers at the forefront of R&D.

The programmes entails a specific programme of research under appropriate supervision. Candidates are also required to apply and evaluate methodologies and techniques in carrying out the research. The research work produced in the form of a thesis/dissertation must display original and critical thoughts, add significant values to the current state of knowledge, and contribute to address problems and issues.

Candidates are required to complete relevant compulsory modules such as Research Methods/ Methodology and Direct Readings (Quantitative & Qualitative Research Methods for business faculties). Candidates are encouraged to participate in enhancement courses such as Thesis Writing Workshops or Lecture Series.

## General Information

	<i>Normal Duration of Study</i>	<i>Indicative Fees<sup>^</sup></i>	<i>Intake</i>
<b>Doctor of Philosophy (PhD)</b>	<b>Full-time</b> 3 years (Max 6 years)  <b>Part-time</b> 4 years (Max 8 years)	<b>Malaysian</b> Full-time: RM9,500-11,100 Part-time: RM10,100-11,700  <b>International</b> Full-time: RM20,200-23,700	<b>Open throughout the year</b>
<b>Master's by Research</b>	<b>Full-time</b> 2 years (Max 4 years)  <b>Part-time</b> 3 years (Max 6 years)	<b>Malaysian</b> Full-time: RM9,500-11,100 Part-time: RM10,100-11,700  <b>International</b> Full-time: RM20,200-23,700	<b>Open throughout the year</b>

<sup>^</sup>Please refer to General Information Guide (Postgraduate Programmes) for more fee details for each programme.

# Campus: Sungai Long

Faculty	Programme	Programme Structure	Key Research Areas
Faculty of Accountancy & Management (FAM)	<b>Doctor of Philosophy / Master of Philosophy</b>	<ul style="list-style-type: none"> <li>• Business Research Methodology</li> <li>• Quantitative &amp; Qualitative Research Methods</li> <li>• Thesis/Dissertation</li> </ul>	Accountancy, Business Administration, Corporate Governance, Economics, Finance, Management, Marketing
Lee Kong Chian Faculty of Engineering & Science (LKFES)	<b>Doctor of Philosophy (Engineering) / Master of Engineering Science</b>	<ul style="list-style-type: none"> <li>• Research Methods in Science &amp; Engineering</li> <li>• Directed Readings in Science &amp; Engineering</li> <li>• Thesis/Dissertation</li> </ul>	Solar Cell Technology, Renewable Energy, Microwave Remote Sensing, Electric Vehicle, Nanoscale Materials Fabrication Heterogeneous Catalysis
	<b>Doctor of Philosophy (Science) / Master of Science</b>	<ul style="list-style-type: none"> <li>• Research Methods in Science &amp; Engineering</li> <li>• Directed Readings in Science &amp; Engineering</li> <li>• Thesis/Dissertation</li> </ul>	Marine Organisms, Analysis and up-cycling of agricultural by-products, Laplace Homotopy Analysis Method, Molecular genetics/association study of taste genes - bitter, sweet, salty and fatty, Physicochemical properties of polymer blends
Faculty of Medicine & Health Sciences (FMHS)	<b>Doctor of Philosophy (Medical Science) / Master of Medical Science</b>	<ul style="list-style-type: none"> <li>• Research Methods in Medical Sciences</li> <li>• Directed Readings in Medical Sciences</li> <li>• Thesis/Dissertation</li> </ul>	Stem Cell, Induced Pluripotent Stem Cell, Recombinant Oncolytic Viruses for Cancer Therapy, Cardiovascular & Cerebrovascular, Tumour Immunology, Genetics Polymorphism, Medical Microbiology, Drug Discovery, Functional Food
	<b>Doctor of Philosophy (Chinese Medicine) / Master of Medical Science (Chinese Medicine)</b>	<ul style="list-style-type: none"> <li>• Concept &amp; Methodology in Chinese Medicine Research</li> <li>• Directed Readings in Medical Sciences</li> <li>• Thesis/Dissertation</li> </ul>	Chinese Medicine Classical Literature, Internal Medicine of TCM, Chinese Medicine Herbs, Oncology of TCM, Acupuncture and Moxibustion, Gynaecology of TCM (Master's degree level only), Paediatric of TCM (Master's degree level only)
Institute of Chinese Studies (ICS)	<b>Doctor of Philosophy (Chinese Studies) / Master of Arts (Chinese Studies)</b>	<p>中文研究方法                      阅读指导：中国语言/中国文学                      阅读指导：中国语言/中国哲学                      论文</p>	中国文学或华人文学研究，中国哲学或华人哲学研究，中国历史或华人历史研究，当代中国或当代华人政治，经济与社会研究
Faculty of Creative Industries (FCI)	<b>Master of Arts (Communication)</b>	<ul style="list-style-type: none"> <li>• Communication Research Methods</li> <li>• Communication Theory</li> <li>• Dissertation</li> </ul>	Advertising, Corporate Communication, Public Relations, Branding, Broadcasting/Film Studies, Linguistics, Language/Cultural/Ethnic/Gender Studies, Media & Communication Studies, Political Science

# Campus: Kampar

<i>Faculty</i>	<i>Programme</i>	<i>Programme Structure</i>	<i>Key Research Areas</i>
Faculty of Business & Finance (FBF)	<b>Doctor of Philosophy / Master of Philosophy</b>	<ul style="list-style-type: none"><li>• Business Research Methodology</li><li>• Quantitative &amp; Qualitative Research Methods</li><li>• Thesis/Dissertation</li></ul>	Economics, Business, Banking, Management, Commerce, Accounting, Finance, Marketing, Entrepreneurship
Faculty of Arts & Social Science (FAS)	<b>Doctor of Philosophy (Social Science) / Master of Philosophy (Social Science)</b>	<ul style="list-style-type: none"><li>• Research Methodology</li><li>• Thesis/Dissertation</li></ul>	Public Relations, Media Studies, Crisis Management, Education, Psychology, English Language Studies, Communication, Journalism
Faculty of Engineering & Green Technology (FEGT)	<b>Doctor of Philosophy (Engineering) / Master of Engineering Science</b>	<ul style="list-style-type: none"><li>• Research Methods in Science &amp; Engineering</li><li>• Directed Readings in Science &amp; Engineering</li><li>• Thesis/Dissertation</li></ul>	Embedded Systems, VLSI Design, Signal and Image Processing, EEG Analysis, Power Electronics, Photonics, IC Design, Hydraulics, Solar Energy, Thermal Management, Membrane Technology, Nano Materials, Biofuel, Polymers, Air Pollution Control, Waste water , Renewable Energy, Construction Management
Faculty of Science (FSc)	<b>Doctor of Philosophy (Science) / Master of Science</b>	<ul style="list-style-type: none"><li>• Research Methods in Science</li><li>• Directed Readings in Science</li><li>• Thesis/Dissertation</li></ul>	Medicinal Chemistry, Natural Products, Polymer Science, Environmental science, Organic Synthesis, Food Safety, Waste Water Treatment, Aquaculture, Microalgae, Parasitology, Biotechnology, Biodiversity, Molecular Genetics, Biochemistry, Statistics, Financial Mathematics, Quantitative Finance, Agriculture, Food Science
Faculty of Information & Communication Technology (FICT)	<b>Doctor of Philosophy (Computer Science) / Master of Science (Computer Science)</b>	<ul style="list-style-type: none"><li>• Research Methods</li><li>• Directed Readings</li><li>• Thesis/Dissertation</li></ul>	Internet of Things, Computer Vision, Software Engineering, Embedded Systems, Network Performance Analysis, Big Data Analytics, IS Management, Computer Architecture, Algorithm Design & Analysis Knowledge Management, Modeling & Simulation, Social Media, Cybersecurity

# Admissions

## 1. Check Entry Requirements

### Doctors of Philosophy

- (a) A Master's Degree from UTAR and shows evidence of adequate related research or work experience to satisfaction of Senate; or
- (b) A Master's Degree of another university or equivalent qualification from an institution as approved by Senate and shows evidence of adequate related research or work experience to satisfaction of Senate; or
- (c) Any other qualifications equivalent to (a) or (b) from as approved by the Senate.

### Master's Degree by Research:

- (1) A Bachelor's Degree with Honours and CGPA of 2.75 or a Bachelor's Degree with CGPA of 2.75 and above, in a related field from UTAR; or
- (2) A Bachelor's Degree with Honours and CGPA of 2.50 and above but less than 2.75 or a Bachelor's Degree with CGPA of 2.50 and above but less than 2.75, in a related field from UTAR and subjected to assessment; or
- (3) A Bachelor's Degree with Honours and CGPA of 2.00 and above but less than 2.50 or a Bachelor's Degree with CGPA of 2.00 and above but less than 2.50, in a related field from UTAR, show evidence of at least five (5) years of relevant working or research experience and subjected to rigorous assessment; or
- (4) Any other academic qualifications equivalent to (1), (2) or (3) from another recognised University, as approved by the Senate.

*English Language Requirements:* All applicants must fulfil the University English Language requirements and the Malaysian Qualifications Agency (MQA)/Ministry of Higher Education (MOHE) regulations before admission. Refer to the UTAR English Language Equivalency table at [www.utar.edu.my](http://www.utar.edu.my).

Upon the recommendation of the Faculty, the UTAR Senate may exempt a candidate from the English requirement if the candidate had obtained the Bachelor's degree using English as the sole medium of instruction. There is no English Language requirement for Master's and PhD in Chinese Studies.

## 2. Find a Supervisor

UTAR's research strengths are spreading across 10 Faculties/Institute and 28 Research Centres over two campuses. The potential research candidates are advised to discuss their research interests with staff in the relevant Faculty/Institute/Centre before lodging a formal application. The proposed research project should align with one of UTAR Research and Development Priority Areas, and subject to the availability of potential supervisor(s).

List of Potential Supervisors: [utar.edu.my/staffDirSearch.jsp](http://utar.edu.my/staffDirSearch.jsp)

## 3. Prepare a Research Proposal

This is the most important part of application of admission. It is recommended candidates spend time to develop a detailed research proposal (min. 3 pages). The proposal shall consist the following: 1. Introduction & Justification of the study (indicating Research Background; Problem Statements & Objectives of the Research); 2. Literature Review; 3. Research Methodology; 4. Proposed Work Schedule; 5. Expected Research Outcome; and 6. References

Candidates may contact proposed supervisor(s) for advice on how to develop the proposal and a research title.

## 4. Apply for Admission

The application for admission to postgraduate programme form is downloadable at [www.utar.edu.my](http://www.utar.edu.my) (Under Admissions & Financial Aid).

## Universiti Tunku Abdul Rahman DUO12-03(A)

Kampar campus  
Jalan Universiti, Bandar Barat,  
31900 Kampar, Perak, Malaysia.  
Tel: +605 468 8888

Sungai Long campus  
Jalan Sungai Long, Bandar Sungai Long,  
Cheras, 43000 Kajang, Selangor, Malaysia.  
Tel: +603 9086 0288

