

# Postgraduate

Programmes



UNIVERSITI  
TEKNOLOGI  
PETRONAS

# About Us

Universiti Teknologi PETRONAS (UTP) was established on 10 January 1997 and is a leading private university in Malaysia.

The campus is built on a 400 hectare (1,000 acres) site strategically located at Seri Iskandar, Perak Darul Ridzuan, Malaysia. The university is a wholly-owned subsidiary of PETRONAS, the national oil and gas company of Malaysia.

UTP offers a wide range of industry-relevant engineering, science and technology

programmes at undergraduate and postgraduate levels. It aims to produce well-rounded graduates with excellent leadership qualities and communication abilities.

The university conducts extensive research activities in collaboration with PETRONAS and other institutions and industries, locally and abroad, on six research focus and niche areas. They are self-sustainable building, transport infrastructure, health analytics, hydrocarbon recovery, contaminant

management and autonomous system.

UTP has produced more than 15,000 graduates and currently has an enrolment of over 1,200 foundation students, 6,000 undergraduates and 1,200 postgraduates from more than 60 countries around the world.

UTP has continuously achieved numerous national and international recognition in only 22 years of its establishment.

## Programmes Offered

### Coursework and Dissertation

Programme	Full Time	Part Time	Code
MBA in Energy Management	✓		JPT/BPP(R/345/7/0391)07/23
MSc in Asset Management & Maintenance	✓	✓	JPT/BPP(R2/521/7/0161)08/22
MSc in Drilling Engineering	✓		JPT/BPP(N/544/7/0003)08/19
MSc in Electronics Systems Engineering	✓	✓	JPT/BPP(R2/523/7/0098)10/22 JPT/BPP(N-DL/523/7/0311)04/24
MSc in Offshore Engineering		✓	JPT/BPP(R/526/7/0080)08/24
MSc in Petroleum Engineering	✓		JPT/BPP(R/524/7/0046)05/20
MSc in Petroleum Geoscience	✓		JPT/BPP(R2/443/7/0001)07/21
MSc in Process Integration	✓	✓	JPT/BPP(R2/524/7/0040)07/24
MSc in Process Safety	✓	✓	JPT/BPP(N/540/7/0015)12/20
MSc in Corrosion Engineering	✓	✓	JPT/BPP(N/527/7/0021)07/24
MSc in Industrial Environmental Engineering	✓	✓	JPT/BPP(N/526/7/0146)07/24

## Duration

Mode	Minimum	Maximum
Full Time	12	36
Part Time	24	48

## Intake

January, May and September

*\*Please take note that University has the right to cancel or postpone the offered programmes, if the number of students are less than feasible as approved by the Admission Committee. For updated information of the particular intake/programme, kindly refer to UTP Website*



## Research

Programme	Masters/Code	PhD /Code
Chemical Engineering	JPT/BPP(R2/524/7/0008)02/22	JPT/BPP(R2/524/8/0018)12/22
Civil Engineering	JPT/BPP(R2/526/7/0020)12/22	JPT/BPP(R2/526/8/0019)12/22
Electrical & Electronics Engineering	JPT/BPP(R2/523/7/0289)02/22	JPT/BPP(R2/523/8/0036)12/22
Information Systems	JPT/BPP(N/482/7/0153)03/23	JPT/BPP(N/482/8/0166)03/23
Information Technology	JPT/BPP(R2/481/7/0225)10/22	JPT/BPP(R2/481/8/0234)02/23
Management	JPT/BPP(R/345/7/0242)08/22	JPT/BPP(R/345/8/0243)09/22
Mechanical Engineering	JPT/BPP(R2/521/7/0022)03/22	JPT/BPP(R2/521/8/0040)12/22
Petroleum Engineering	JPT/BPP(R/524/7/0046)05/20	JPT/BPP(R2/524/8/0017)12/22
Petroleum Geoscience	JPT/BPP(R2/524/7/0021)12/22	JPT/BPP(R2/544/8/0020)12/22
Science	JPT/BPP(R/545/7/0016)07/22	JPT/BPP(R/545/8/0015)07/22
Social Science & Humanities	JJPT/BPP(R/220/7/0009)08/22	JPT/BPP(R/220/8/0010)09/24

## Duration

Mode	Masters		PhD	
	Minimum	Maximum	Minimum	Maximum
Full Time	12	36	24	60
Part Time	24	72	36	90

## Intake

January and July

*Note: All research programmes are available in full time and part time.*

# Thematic Research

## *Mission Oriented Research*

Primarily focused on serving the Oil & Gas industry, Research Institutes conducts specific research programmes to support PETRONAS's core business and the nation's development. There are 6 Research Institutes across niche disciplines for the benefit of the industry and the nation as a whole.

## *Research Institutes*

- Institute for Sustainable Living
- Institute of Health & Analytics
- Institute of Autonomous System
- Institute of Contaminant Management
- Institute of Hydrocarbon Recovery
- Institute of Transport Infrastructure

*Our expertise are from the following areas :*

### *Chemical Engineering*

- Ionic Liquid
- Bio-Fuel
- Environment
- Separation
- Material Development
- Advanced Process Control
- Process System Engineering
- Process Safety
- Catalysis
- Reactor Technology

### *Electrical and Electronics Engineering*

- Intelligent Imaging
- Communication
- Industrial Automation
- Sensor Technology
- Energy Utilisation & Power System
- System Level Integration
- Electronic Systems Design
- Power Electronics
- Power System Microelectronics
- RF Systems

### *Civil Engineering*

- Structural Engineering
- Off-shore Structures
- Highway & Transportation Design
- Environmental Engineering & Management
- Geotechnical Engineering
- Water Resources Engineering
- Geographical Information System (GIS)
- Construction & Project Management

### *Mechanical Engineering*

- Mechanical Systems Design
- Vehicle Design
- Advanced Engine Development
- Advanced Materials & Processing
- Manufacturing System Optimisation
- Energy Systems
- Corrosion & Reliability
- Friction Stir Welding

### ***Petroleum Engineering***

- Enhanced Oil Recovery
- Oil Field Chemical
- Flow Assurance
- Drilling Optimisation
- Drilling Fluid & Completion
- Cementing Technology
- Deep Reservoir
- High Pressure High Temperature
- Unconventional Hydrocarbon

### ***Computer and Information Sciences***

- Software Engineering
- Network & Communication System
- Artificial Intelligence
- Knowledge Management
- Multimedia
- Advanced Database & E-Commerce
- Enterprise Resource Information System
- High Performance Computing
- Cloud Computing
- Green Computing

### ***Management***

- Human Resource Management & Organisational Behaviour
- Accounting & Finance
- Marketing & International Business
- Entrepreneurship
- Strategic Management, Ethics & Corporate Governance

### ***Petroleum Geoscience***

- Rock Physics
- Advanced Seismic Technology
- Non-Seismic Methods
- Integrated Basin Analysis
- Reservoir Characterisation, Modelling & Simulation
- Carbonate Reservoir Characterisation
- Carbonate Sedimentology
- Diagenesis & Sequence Stratigraphy

### ***Fundamental & Applied Sciences***

- Ionic Liquid
- Bio-Fuel
- Environment
- Separation
- Material Development
- Advanced Process Control
- Process System Engineering
- Process Safety
- Catalysis
- Reactor Technology
- Nanotechnology
- Renewable Energy Systems (Solar Energy & Wind Energy )

### ***Social Science & Humanities***

- Sociological, Cultural & Political Studies
- Engineering, Science & Technology Studies
- Language & Linguistics
- Journalism, Communication & Media Studies

*Note: Application can also be considered based on research proposal other than those stated above.*

# Entry Requirements

## Masters Programme (by Research / Coursework and Dissertation)

- Bachelor Degree Graduate  
Candidates must possess a good Bachelor Degree with minimum CGPA 3.00/4.00 or 2nd Class Upper Division or equivalent in the relevant field from a recognised university
- Bachelor Degree Graduate  
Candidates must possess a good Bachelor Degree or equivalent in the relevant field from a recognised university

## English Requirements

Foreign and local students are required to have proficiency in written and spoken English in one of the following forms:

- A minimum TOEFL score of 550 **OR**
- A minimum IELTS score of 6.0 **OR**
- A minimum MUET score of Band-4 **OR**

## PhD Programme (by Research)

- Masters Graduate by Coursework  
Candidates must possess a good Masters Degree with minimum CGPA 3.00/4.00 or equivalent in the relevant field from a recognised university
- Masters Graduate by Research  
Candidates must possess a good Masters Degree or equivalent in the relevant field from a recognised university

- A minimum TOEIC score of 700 **OR**
- A minimum : First (FCE) score of 67 **OR**
- A minimum : Advanced (CAE) score of 52

# Tuition Fee

Research	Masters		PhD	
	Full Time	Part Time	Full Time	Part Time
<b>Malaysian</b>	(Annually)			
Engineering	MYR 10,000	MYR 3,220	MYR 14,600	MYR 3,600
Technology	MYR 10,000	MYR 3,220	MYR 14,600	MYR 3,600
Information Systems	MYR 11,000	MYR 3,600	MYR 24,000	MYR 4,800
Management	MYR 4,500	MYR 1,200	MYR 6,500	MYR 1,200
Social Science & Humanities	MYR 4,500	MYR 1,200	MYR 6,500	MYR 1,200
	(One Time)			
Graduate Seminar (Social Science)	MYR 1,500		MYR 1,500	
Research Methodology	MYR 1,500		MYR 1,500	
Examination @ Viva (Final Semester)	MYR 1,800		MYR 3,000	

*Note : The above fee is for Malaysian Students*

Research	Masters		PhD	
	Full Time	Part Time	Full Time	Part Time
<b>International</b>	(Annually)			
Engineering	MYR 13,000	MYR 4,190	MYR 19,000	MYR 4,800
Technology	MYR 13,000	MYR 4,190	MYR 19,000	MYR 4,800
Information Systems	MYR 11,000	MYR 3,600	MYR 24,000	MYR 4,800
Management	MYR 4,500	MYR 1,200	MYR 6,500	MYR 1,200
Social Science & Humanities	MYR 4,500	MYR 1,200	MYR 6,500	MYR 1,200
	(One Time)			
Graduate Seminar (Social Science)	MYR 1,500		MYR 1,500	
Research Methodology	MYR 1,500		MYR 1,500	
Examination @ Viva (Final Semester)	MYR 1,800		MYR 3,000	

*Note : The above fee is for International Students*

Coursework & Dissertation	Malaysian	International
MBA in Energy Management	MYR 35,300	MYR 45,700
MSc in Asset Management & Maintenance	MYR 25,000	MYR 25,000
MSc in Drilling Engineering	MYR 70,000	MYR 100,000
MSc in Electronics Systems Engineering	MYR 25,000	MYR 25,000
MSc in Offshore Engineering	MYR 25,000	MYR 50,000
MSc in Petroleum Engineering	MYR 31,750	MYR 41,250
MSc in Petroleum Geoscience	MYR 36,350	MYR 47,350
MSc in Process Integration	MYR 31,000	MYR 31,000
MSc in Process Safety	MYR 30,100	MYR 39,300
MSc in Corrosion Engineering	MYR 41,000	MYR 48,000
MSc in Industrial Environmental Engineering	MYR 26,000	MYR 58,000

Registration	Malaysian	International
Personal Bond (International Student Only)	-	MYR 3,000 (refundable)
Student Pass Application	-	MYR 2,120
Registration	MYR 950	MYR 1,080
<b>TOTAL</b>	<b>MYR 950</b>	<b>MYR 6,200</b>

**Note :** The amount shown above is only an estimation. The actual amount may vary. The fee stated is applicable as to the date of printing. The University reserves the right to revise the fee as and when deem necessary. Rate for USD 1 = MYR 4.20.

# Rankings & Ratings



# Contact Details

## Admission Office

+605 368 8331 / 368 8345 / 368 8346 / 368 8359 / 368 8403

Universiti Teknologi PETRONAS, 32610 Seri Iskandar, Perak Darul Ridzuan, MALAYSIA

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For further details visit [www.utp.edu.my](http://www.utp.edu.my) and click  for enquiries



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