

# Postgraduate

Programmes



# 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.

## Programmes Offered

### Coursework and Dissertation

Programme	Conventional	ODL	Code
MBA in Energy Management	✓	✓	JPT/BPP(R/345/7/0391)07/23 JPT/BPP(N-DL/345/7/1103)09/24
MSc in Asset Management & Maintenance	✓	✓	JPT/BPP(R2/521/7/0161)08/22 JPT/BPP(N-DL/521/7/0180)02/25
MSc in Drilling Engineering	✓		JPT/BPP(R/544/7/0003)08/24
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 JPT/BPP(N-DL/526/7/0147)01/25
MSc in Petroleum Engineering	✓		JPT/BPP(R2/524/7/0046)05/25
MSc in Petroleum Geoscience	✓	✓	JPT/BPP(R2/443/7/0001)07/21 JPT/BPP(N-DL/443/7/0028)02/25
MSc in Process Integration	✓	✓	JPT/BPP(R2/524/7/0040)07/24 JPT/BPP(N-DL/524/7/0080)02/25
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
MSc in Applied Computing	✓		JPT/BPP(N/482/7/0160)01/25

## Duration

Mode	Minimum	Maximum
Conventional	12	36
ODL	24	48

## Intake

January, May and September

\*ODL = Online Distance Learning

*\*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(R2/521/8/0019)12/22	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	JPT/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	2	4	3	8
Part Time	3	6	4	10

# 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 Insititutes***

- Institute of Sustainable Building
- 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: Research topic availability depends on lecturer's area of expertise. Proceed only once supervisor confirms research topic is acceptable*

# Entry Requirements

## Masters Programme

### Information Technology / Information Systems

- Bachelor's Degree in a relevant field from a recognised university with a minimum CGPA of 3.00 or its equivalent.

- Bachelor's Degree in a relevant field from a recognised university with a CGPA of 2.50 - 2.99 or its equivalent will require internal rigorous assessment

- Bachelor's Degree in a relevant field from a recognised university with a CGPA of 2.00 - 2.49 or its equivalent will require 5 years of working experience and internal rigorous assessment

### Applied Computing / Management / Social Science and Humanities

- Bachelor's Degree in a relevant field from a recognised university with a minimum CGPA of 2.75 or its equivalent.

- Bachelor's Degree in a relevant field from a recognised university with a CGPA of 2.50 - 2.74 or its equivalent will require internal rigorous assessment

- Bachelor's Degree in a relevant field from a recognised university with a CGPA of 2.00 - 2.49 or its equivalent will require 5 years of working experience and internal rigorous assessment

### All Programmes in Engineering, Sciences and MBA in Energy Management

- Bachelor's Degree in a relevant field from a recognised university with a minimum CGPA of 2.50 or its equivalent.

- Bachelor's Degree in a relevant field from a recognised university with a CGPA of 2.00 - 2.49 or its equivalent will require 5 years of working experience and internal rigorous assessment.

### Accreditation of Prior Experiential Learning or APEL

- Apply with your working experience

Candidates who satisfy APEL A requirements are eligible to enrol. Please visit <https://www2.mqa.gov.my/apel/> or scan the QR code to learn more



# PhD Programme

- Masters Degree or equivalent in the relevant field from a recognised university

## English Requirements

**Engineering Programme** - A minimum score IELTS 5.0 or TOEFL 500  
**Non Engineering Programme** - A minimum score IELTS 6.0 or TOEFL 550

- Exemptions may be provided for candidates who are native English speakers or degree holders with English as the medium of instruction

## Tuition Fee

Programme	Conventional		ODL	
	Malaysian	International	Malaysian	International
Coursework & Dissertation				
MBA in Energy Management	MYR 35,300	MYR 45,700	MYR 27,800	MYR 29,300
MSc in Asset Management & Maintenance	MYR 25,000	MYR 25,000	MYR 24,300	MYR 31,600
MSc in Drilling Engineering	MYR 70,000	MYR 100,000	-	-
MSc in Electronics Systems Engineering	MYR 25,000	MYR 25,000	MYR 24,300	MYR 31,600
MSc in Offshore Engineering	MYR 31,150	MYR 40,550	MYR 25,000	MYR 32, 350
MSc in Petroleum Engineering	MYR 31,750	MYR 41,250	-	-
MSc in Petroleum Geoscience	MYR 28,800	MYR 37,600	MYR 23,100	MYR 30, 000
MSc in Process Integration	MYR 31,000	MYR 31,000	MYR 23,300	MYR 30,300
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	-	-
MSc in Applied Computing	MYR 28,800	MYR 37,600	-	-
Resource Fee (Annually)	MYR 1,200	MYR 1,200	MYR 1,200	MYR 1,200



Malaysian

Research	Masters		PhD	
	Full Time	Part Time	Full Time	Part Time
	(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
Science & Applied Science	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 7,620	MYR 3,220	MYR 11,000	MYR 3,600
Social Science & Humanities	MYR 7,620	MYR 3,220	MYR 11,000	MYR 3,600
Resource Fee	MYR 2,400	MYR 1,200	MYR 2,400	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	

International

Research	Masters		PhD	
	Full Time	Part Time	Full Time	Part Time
	(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
Science & Applied Science	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 9,900	MYR 4,190	MYR 14,400	MYR 4,800
Social Science & Humanities	MYR 9,900	MYR 4,190	MYR 14,400	MYR 4,800
Resource Fee	MYR 2,400	MYR 1,200	MYR 2,400	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	

Registration	Malaysian	International
Personal Bond (International Student Only)	-	MYR 3,000 <i>(refundable)</i>
Registration	MYR 1,000	MYR 2,200
TOTAL	MYR 1,000	MYR 5,200



# Rankings & Ratings



# Contact Details

## Admission Line :

Local candidates : +605 368 8064, +6013 488 5499 (WhatsApp only)

International candidates : +605 368 8364, +6011 2898 5499 (WhatsApp only)

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

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

