

Postgraduate

Programmes



About Us

Universiti Teknologi PETRONAS (UTP) was established in 1997 and has grown to be one of the most prominent private universities in Malaysia.

UTP offers a wide range of industry-relevant engineering, science and technology programmes at undergraduate and postgraduate levels and aims to produce well-rounded graduates with excellent leadership qualities and communication abilities.

UTP has produced more than 14,000 graduates and currently has an enrolment of over 1,200 foundation students, 6,000 undergraduates and 1,200 postgraduates from more than 66 countries around the world.

In less than 2 decades since it was established, the university has attained prestigious national and international recognitions.

UTP is the first and only private university in Malaysia to be rated a maximum 5-star overall rating in the QS Stars™ University Rating System.

It made its debut in the 2016/17 Quacquarelli Symonds (QS) World University Rankings, entering in the 601-650 band. It is ranked 6th and it is the only private university in Malaysia to make it into the rankings.

UTP has also made its first appearance in the QS Top 50 under 50 and is ranked in the 91-100 band. The ranking

is based on the world's best universities that are less than 50 years old.

The university has improved its standing in the QS Asian University Rankings 2016, moving up to 127th place from the ranking range of 151 - 160 in 2015.

UTP is ranked 233rd for the 2017 QS World University Rankings by Faculty for its Engineering and Technology Faculty.

QS has recognised UTP as amongst the world's elite institutions in 4 of the 42 subjects featured in the rankings. In 2017, Chemical Engineering and Mechanical





Engineering subjects maintained their position in the top 150 and 200 respectively. Electrical & Electronic Engineering and Computer Science & Information Systems subjects have improved their ranking to be in the top 200 and top 300 respectively.

Apart from the QS rankings, UTP has, for the first time, made the list in the Times Higher Education (THE) World University Rankings 2016-2017. UTP is ranked in the 601-800 band.

UTP has also made its debut in the prestigious THE BRICS &

Emerging Economies Rankings 2017, coming in at 91st. This has placed UTP among the top 100 best research-led universities in the developing world.

The university conducts extensive research activities in collaboration with PETRONAS and other institutions and industries locally and abroad focusing on 9 niche areas. They are Enhanced Oil Recovery, Carbon Dioxide Management, Deepwater Technology, Nanotechnology, Green Technology, Biomedical Technology, Hybrid Energy Systems, Intelligent Cities and Sustainable Resources.

UTP is the first and only private university to be awarded a 6-star rating (the highest performance level) by Ministry of Higher Education Malaysia for its research, development and commercialisation efforts under the Malaysia Research Assessment Rating System (MyRA).

UTP continues to provide distinctive educational opportunities to its students with the rating of Tier 5 (Excellent) University for SETARA (Rating System for the Malaysian Higher Education Institutions) and achieved Tier 5 for D-SETARA (Discipline-Based Rating System) in Engineering.

Programmes Offered

Coursework and Dissertation

Programme	Full Time	Part Time	Code
MBA in Energy Management	✓		JPT/BPP(N/345/7/0391)07/18
MSc in Asset Management & Maintenance	✓	✓	JPT/BPP(R/345/7/0117)08/17
MSc in Drilling Engineering	✓		JPT/BPP(N/544/7/0003)08/19
MSc in Electronics Systems Engineering	✓	✓	JPT/BPP(R/523/7/0098)10/17
MSc in Offshore Engineering		✓	JPT/BPP(N/526/7/0080)08/19
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(R/524/7/0040)07/19
MSc in Process Safety	✓	✓	JPT/BPP(N/540/7/0015)12/20

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(R/524/7/0008)02/22	JPT/BPP(R/524/8/0018)12/17
Civil Engineering	JPT/BPP(R/526/7/0020)12/17	JPT/BPP(R/526/8/0019)12/17
Electrical & Electronics Engineering	JPT/BPP(R/523/7/0289)02/22	JPT/BPP(R/520/8/0036)12/17
Information Technology	JPT/BPP(R/481/7/0225)10/17	JPT/BPP(R/481/8/0234)02/18
Management	JPT/BPP(N/345/7/0242)08/17	JPT/BPP(N/345/8/0243)09/17
Mechanical Engineering	JPT/BPP(R/521/7/0022)03/22	JPT/BPP(R/521/8/0040)12/17
Petroleum Engineering	JPT/BPP(R/524/8/0019)12/17	JPT/BPP(R/524/8/0017)12/17
Petroleum Geoscience	JPT/BPP(R/524/7/0021)12/17	JPT/BPP(R/524/8/0020)12/17
Science	JPT/BPP(N/545/7/0016)07/17	JBT/BPP(N/545/8/0015)07/17
Social Science & Humanities	JPT/BPP(N/220/7/0009)08/17	JPT/BPP(N/220/8/0010)09/17

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

By definition, Mission Oriented Research is a focused area, which is multidisciplinary in nature and in line with PETRONAS and the nation's needs. To date there are nine Mission Oriented Research Groups:

- Enhanced Oil Recovery
- Carbon Dioxide Management
- Deepwater Technology
- Nanotechnology
- Green Technology
- Biomedical Technology
- Hybrid Energy Systems
- Intelligent City
- Sustainable Resources

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





Graduation Requirements

Coursework and Dissertation

Students are required to obtain a minimum CGPA of 3.00/4.00, complete dissertation and projects as well as to complete the minimum credit hours for each respective programme.

Research

Students are required to publish at least one journal for Masters programme and two journals for PhD programme, as well as pass viva voce and submit hard copy thesis.



Graduate Prospect

UTP graduate degree holders have exciting futures in various industries and fields such as oil and gas, petrochemical, pharmaceutical, food and cosmetics, as well as other sectors in the government, academia and R&D sectors.

Investment

Research	Masters		PhD	
	Full Time	Part Time	Full Time	Part Time
	(Annually)			
	Engineering	MYR 6,500	MYR 1,200	MYR 9,500
Technology	MYR 5,500	MYR 8,000		
Management & Humanities	MYR 4,500	MYR 6,500		
	(One Time)			
	Graduate Seminar (Social Science)		MYR 1,500	
	Research Methodology (1st Semester)		MYR 1,500	
	Examination @ Viva (Final Semester)		MYR 1,500	

Note : The above fee is for Malaysian and International

Coursework & Dissertation	Malaysian	International
MBA in Energy Management	MYR 50,000	MYR 75,000
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 60,000	MYR 60,000
MSc in Petroleum Geoscience	MYR 50,000	MYR 75,000
MSc in Process Integration	MYR 31,000	MYR 31,000
MSc in Process Safety	MYR 70,000	MYR 70,000

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

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.

Financial Assistance

Yayasan UTP Scholarship

- Malaysian only (max age, Masters – 35, PhD – 45)
- Book allowance of RM 1,000
- Thesis allowance of RM 2,000
- Monthly Subsistence Allowance;
 - Masters student – RM 3,000
 - PhD student – RM 5,000

UTP Graduate Assistantship Scheme (GA)

- Malaysian & International (max age, Masters – 35, PhD – 40)
- Monthly Subsistence Allowance;
 - Masters student – RM 1,300
 - PhD student – RM 1,600
- Covering tuition fees worth;
 - Masters student – RM 13,500
 - PhD student – RM 35,000

UTP Graduate Research Assistantship Scheme (GRA)

- Malaysian & International (depending on the grant sponsors)
- Monthly Subsistence Allowance;
 - Masters student – From RM 1,300 up to RM2,500
 - PhD student – From RM 1,600 up to RM4,000
- Covering tuition fees worth;
 - Masters student – RM 13,500
 - PhD student – RM 35,000

UTP Tuition Fee Assistantship Scheme (TFA)

- Malaysian & International
- Covering tuition fees worth;
 - Masters student – RM 13,500
 - PhD student – RM 35,000

Employee Provident Fund (EPF)

- Withdrawal Scheme for Malaysian only covering tuition fees

Note :

Registration fees, accommodation fees, flight tickets etc will be borne by the student.

Terms and conditions apply





<p>Country</p> <p>The Federation of Malaysia comprises Peninsular Malaysia, and the states of Sabah and Sarawak on the island of Borneo.</p>	<p>Language</p> <p>Malay (Bahasa Melayu) is the national language in use, but English is widely spoken. The ethnic groups also converse in the various languages and dialects.</p>
<p>Geographic Location</p> <p>Peninsular Malaysia is separated from Sabah and Sarawak by the South China Sea. In the northern part of Peninsular Malaysia lies Thailand, and in the south, neighbouring Singapore. Sabah and Sarawak are bounded by Indonesia while Sarawak also shares borders with Brunei.</p>	<p>Religion</p> <p>Islam is the official religion of the country, but other religions are widely practised.</p>
<p>Area</p> <p>329,758 square km</p>	<p>Weather</p> <p>The country experiences tropical weather year-round. Temperature varies from 21°C (70°F) to 32°C (90°F). Higher elevations are much colder with temperatures between 15°C (59°F) to 25°C (77°F). Annual rainfall varies from 2,000mm to 2,500mm.</p>
<p>Population</p> <p>28.3 Million</p>	<p>Economic Profile</p> <p>Manufacturing constitutes the largest single component of Malaysia's economy. Tourism and primary commodities such as petroleum, palm oil, natural rubber and timber are major contributors to the economy.</p>
<p>Capital City</p> <p>Kuala Lumpur</p>	<p>Currency</p> <p>The money of the country is the ringgit and is written as RM. Exchange rate = MYR4.20 = 1 USD. The ringgit can be exchanged for money in other countries.</p>
<p>People</p> <p>Malays comprise 57% of the population, while the Chinese, Indian and Bumiputeras and other races make up the rest of the country's population.</p>	<p>Time</p> <p>8 hours ahead of Greenwich Time.</p>
<p>Area</p> <p>329,758 square km</p>	<p>Electricity</p> <p>Voltage is 240V. 50 cycles per second. 10 pin square plug.</p>
<p>Population</p> <p>28.3 Million</p>	<p>Telephone</p> <p>Local calls are free. Long distance public phone calls are prepaid. Credit cards can be used for long distance calls.</p>

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329,758 square km

28.3 Million

Kuala Lumpur

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Manufacturing constitutes the largest single component of Malaysia's economy. Tourism and primary commodities such as petroleum, palm oil, natural rubber and timber are major contributors to the economy.

The monetary unit of the country is Ringgit Malaysia and is written as RM. The exchange rate is valued at USD1 = MYR4.20. Foreign currencies can be exchanged at banks and money changers.

8 hours ahead of GMT and 16 hours ahead of U.S Standard Time.

Voltage is 220-240 Volt AC at 50 cycles per second. Standard 3 - pin square plugs and socket.

Local calls can be made from public phones using coins or prepaid cards. International calls can be made using prepaid cards.



Note: Rate as at 1st January 2016



UTP - Cameron Highlands 98 km



UTP - The Banjaran Hot Springs 36 km



UTP - Gua Tempurung 36 km



UTP - Gunung Lang 30 km



UTP - Lata Kinjang 32km



UTP - Lost World of Tambun 36 km



UTP - Pulau Pangkor 53 km



UTP - AEON 20 km

Rankings & Ratings



TIER 5 (EXCELLENT)
Rating for Teaching and Learning



Contact Details

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