

Undergraduate

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

Engineering

Chemical Engineering	4 years	<i>JPT/BPP(R/524/6/0031)11/19</i>
Civil Engineering	4 years	<i>JPT/BPP(R/526/6/0089)02/20</i>
Computer Engineering	4 years	<i>JBT/BPP(N/523/6/0274)12/20</i>
Electrical & Electronics Engineering	4 years	<i>JPT/BPP(R/523/6/0198)11/19</i>
Mechanical Engineering	4 years	<i>JPT/BPP(R/521/6/0080)11/19</i>
Petroleum Engineering	4 years	<i>JPT/BPP (R/524/6/0009)02/17</i>

Science

Applied Chemistry	3.5 years	<i>JPT/BPP(N/545/6/0049)09/19</i>
Applied Physics	3.5 years	<i>JPT/BPP(N/441/6/0005)09/19</i>

Technology

Business Information System	3.5 years	<i>JPT/BPP(R/481/6/0478)11/19</i>
Information Communication Technology	3.5 years	<i>JPT/BPP(N/481/6/0479)11/19</i>
Petroleum Geoscience	4 years	<i>JPT/BPP(R/544/6/0002)01/19</i>





Specialisation

Engineering

Chemical Engineering

- Environmental & Sustainable Engineering
- Gas & Petrochemical Engineering
- Process Analysis Control
- Process Plant Engineering
- Process Plant Safety

Civil Engineering

- Coastal Engineering
- Environmental Pollution Control
- Offshore Engineering
- Sustainable Development & Construction

Computer Engineering

- Scalable Computing
- Wireless Communications

Electrical & Electronics Engineering

- Communication Systems
- Embedded Systems
- Instrumentation and Control
- Microelectronics
- Power Systems Engineering

Mechanical Engineering

- Automotive
- Deepwater Engineering
- Energy
- Facilities & Plant Engineering
- Manufacturing
- Materials

Petroleum Engineering

- Drilling Engineering
- Production Technology
- Reservoir Studies

Science

Applied Chemistry

- Nanotechnology
- Petrochemistry
- Sustainable Chemistry

Applied Physics

- Nanotechnology
- Oil & Gas Exploration
- Renewable Energy

Technology

Business Information System

- Enterprise System
- Knowledge Management

Information & Communication Technology

- Multimodal System
- Software Engineering

Petroleum Geoscience

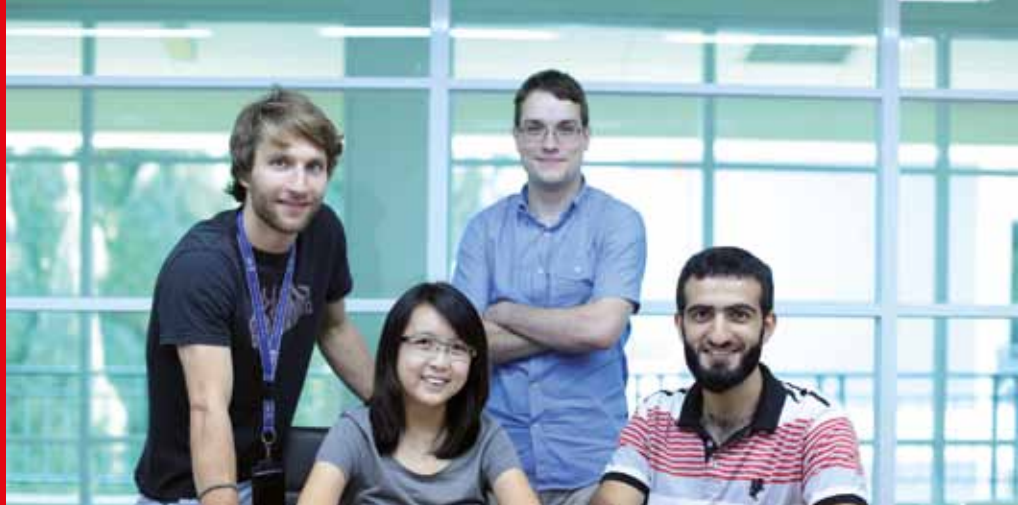
- Basin Reservoir Studies
- Exploration Geophysics

Entry Requirements

ENGINEERING, PETROLEUM GEOSCIENCE & SCIENCE

- **STPM**
 - Pass STPM with minimum Principal C (or 2.00) in Mathematics, Physics and Chemistry; **OR**
- **A-Level or equivalent**
 - Pass A-Level with minimum Grade C or 60% and above in Mathematics, Physics and Chemistry; **OR**
- **International Baccalaureate (IB)**
 - Pass International Baccalaureate (IB) with minimum 24 points including at least Point 4 in Mathematics, Physics and Chemistry; **OR**
- **Foundation in Relevant Field from Universiti Teknologi PETRONAS**
 - Pass Foundation Programme in relevant field from Universiti Teknologi PETRONAS with minimum final CGPA of 2.00/4.00; **OR**
- **Foundation in Relevant Field from a Recognised Institution**
 - Pass Foundation Programme in relevant field from an Institution which is recognised by the Malaysian Government with minimum final CGPA of 3.00/4.00; **OR**
- **Matriculation in Relevant Field from a Recognised Institution**
 - Pass Matriculation Programme in relevant field from an Institution which is recognised by the Malaysian Government with minimum final CGPA of 3.00/4.00; **OR**
- **Australian Matriculation Programme**
 - Pass Australian Matriculation Programme with minimum Grade C (OR 60%) in Mathematics or Specialised Mathematics, Physics and Chemistry; **OR**
- **Diploma in Relevant Field from a Recognised Institution**
 - Pass Diploma Programme in relevant field from an Institution which is recognised by the Malaysian Government with minimum final CGPA of 3.00/4.00; **OR**
- **Other Equivalent Qualification Recognised by the Malaysian Government.**
 - Refer to chart at MQA website





TECHNOLOGY

• STPM

- Pass STPM with minimum Principal C in Mathematics and any two (2) non-language subjects **AND**
- At least a final CGPA of 2.00/4.00; **AND**
- At least Grade C in Mathematics at SPM; **OR**

• A-Level or equivalent

- Pass A-Level with minimum Grade C or 60% and above in Mathematics and any other two (2) non-language subjects; **AND** minimum Grade C in Mathematics at SPM; **OR**

• International Baccalaureate (IB)

- Pass International Baccalaureate (IB) with minimum Point 4 in Mathematics and any other two (2) non-language subjects; **OR**

• Matriculation

- Pass Matriculation Programme in relevant field from an Institution which is recognised by the Malaysian Government with minimum final CGPA of 2.00/4.00; **AND**
- Minimum Grade C in Mathematics at SPM; **OR**

• Foundation in Relevant Field from Universiti Teknologi PETRONAS

- Pass Foundation Programme in relevant field from Universiti Teknologi PETRONAS with minimum final CGPA of 2.00/4.00; **AND**
- Minimum Grade C in Mathematics at SPM; **OR**

• Foundation in Relevant Field from a Recognised Institution

- Pass Foundation Programme in relevant field from an Institution which is recognised by the Malaysian Government with minimum final CGPA of 2.00/4.00; **AND**
- Minimum Grade C in Mathematics at SPM; **OR**

• Diploma in Relevant Field from a Recognised Institution

- Pass a Diploma Programme in relevant field from an Institution which is recognised by the Malaysian Government with minimum final CGPA of 2.00/4.00; **AND**
- Minimum Grade C in Mathematics at SPM; **OR**

• Australian Matriculation Programme

- Pass Australian Matriculation Programme with minimum Grade C (**OR** 60%) in Mathematics **OR** Specialised Mathematics and any other two (2) non-language subjects; **OR**

• Other Equivalent Qualification Recognised by the Malaysian Government.

- Refer to chart at MQA website

Additional Requirements

MALAYSIAN STUDENTS

- Candidate must be a Malaysian citizen.
- Application must be made using the final examination semester results.
- Minimum Grade C (Credit) in Bahasa Melayu at SPM.
- Minimum Grade C (Credit) in Bahasa Inggeris at SPM **AND** Band 3 in Malaysian University English Test (MUET).

INTERNATIONAL STUDENTS

IELTS score of 5.0 or TOEFL paper based score 500 or equivalent.





Graduation Requirements

Students are required to obtain a minimum CGPA of 2.00/4.00 and complete minimum credit hours for respective programmes as listed below:

Programmes

Bachelor of Engineering (Hons)
Bachelor of Science (Hons)
Bachelor of Technology (Hons)
Bachelor of Technology (Hons) Petroleum Geoscience

Minimum Credit hours

145
128
127
140



Graduate Prospect

Career opportunities for our graduates are enormous from various industries such as oil and gas, petrochemical, pharmaceutical, food and cosmetic as well as other sectors such as government, academia and R&D sectors.

Investment

MALAYSIAN	Engineering	Geoscience	Science	Technology
Duration	4 years	4 years	3.5 years	3.5 years
Credit Hours	145	140	128	127
Cost per Credit Hour	MYR 413	MYR 413	MYR 413	MYR 413
* Estimated Tuition Fees per Semester	MYR 9,875	MYR 10,125	MYR 10,125	MYR 9,875
* Estimated Tuition Fees per Year	MYR 19,750	MYR 20,250	MYR 20,250	MYR 19,750
* Estimated Hostel Fees per Month (base on twin sharing)	MYR 260	MYR 260	MYR 260	MYR 260
* Estimated Total Fees for whole duration (Registration, Tuition Fees, Annual Fees, Hostel, Visa, Insurance etc)	MYR 79,000	MYR 81,000	MYR 71,000	MYR 69,000

INTERNATIONAL	Engineering	Geoscience	Science	Technology
Duration	4 Years	4 Years	3.5 Years	3.5 Years
Credit Hours	145	140	128	127
Cost per Credit Hour	MYR 485 USD 120	MYR 485 USD 120	MYR 485 USD 120	MYR 485 USD 120
* Estimated Tuition Fee per Semester	MYR 12,250 USD 2,950	MYR 12,500 USD 3,000	MYR 12,500 USD 3,000	MYR 12,250 USD 2,950
* Estimated Tuition Fees per Year	MYR 24,500 USD 5,900	MYR 25,000 USD 6,000	MYR 25,000 USD 6,000	MYR 24,500 USD 5,900
* Estimated Hostel Fees per Month (base on twin sharing)	MYR 260 USD 65	MYR 260 USD 65	MYR 260 USD 65	MYR 260 USD 65
* Estimated Total Fees for whole duration (Registration, Tuition Fees, Annual Fees, Hostel, Visa, Insurance etc)	MYR 98,000 USD 23,500	MYR 100,000 USD 24,000	MYR 88,000 USD 21,000	MYR 86,000 USD 20,500

*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

The University will assist needy students in applying for financial aid and grants for their studies from various sources including Perbadanan Tabung Pendidikan Tinggi Nasional, state foundations, public agencies and private companies. Further enquiries on financial aid can be directed to Sponsorship Unit.

List of Financial Aid / Sponsorship

- Agilent Technologies Sdn Bhd
- British American Tobacco Malaysia Foundation
- ECM Libra Foundation
- Employees Provident Fund (EPF)
- Gamuda Learning Centre
- Hicom Industrial Estate
- Intel Technologies Sdn Bhd
- Jabatan Perkhidmatan Awam (JPA)
- Lingkaran Trans Kota Sdn Bhd (LITRAK)
- Majlis Amanah Rakyat (MARA)
- Malaysian American Commission on Education Exchange (MACEE)
- Perbadanan Tabung Pendidikan Tinggi Nasional (PTPTN)
- Petroliam Nasional Berhad (PETRONAS)
- Sarawak Shell Berhad
- System Consultancy Services Sdn Bhd
- Yayasan Pahang
- Yayasan Sabah
- Yayasan Telekom Malaysia
- Yayasan Tenaga Nasional
- Yayasan Terengganu
- Bantuan Tabung Amanah Zakat UTP





About Malaysia

Country

The Federation of Malaysia comprises Peninsular Malaysia, and the states of Sabah and Sarawak on the island of Borneo.

Geographic Location

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.

Area

329,758 square km

Population

28.3 Million

Capital City

Kuala Lumpur

People

Malays comprise 57% of the population, while the Chinese, Indian and Bumiputeras and other races make up the rest of the country's population.

Language

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.

Religion

Islam is the official religion of the country, but other religions are widely practised.

Weather

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.

Economic Profile

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.

Currency

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.

Time

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

Electricity

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

Telephone

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





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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For further details visit www.utp.edu.my and click  for enquiries

