

# **BACHELOR OF ENGINEERING (HONOURS) IN PETROLEUM ENGINEERING**

**(ARTICULATION PROGRAMME (1+3) WITH THE UNIVERSITY OF NEW SOUTH WALES, AUSTRALIA)**

## **INTRODUCTION**

This a 1+3 articulation programme with the University of New South Wales (UNSW), Australia. Students will be in ITB for year 1 of the programme. Years 2, 3 and 4 will be in UNSW. Degree is awarded by the UNSW on successful completion of the program. Student will start Year 2 in UNSW in the last week of July.

## **PROGRAMME AIMS**

Year 1 at ITB focuses on strengthening the students' fundamental knowledge in science and engineering. Stimulations of innovative thinking and exposure to the petroleum industry and geology are introduced to the students at this level of the programme. This is to ensure that students are well equipped prior to joining UNSW at Year 2 to 4.

## **CAREER PATHS**

Petroleum Engineering is a specialised engineering discipline which prepares graduates for careers in the oil and gas industries. Its related operations apply physical, mathematical and engineering principles to identify and solve problems associated with exploration, exploitation, drilling, production and all the related economic and management problems associated with the recovery of hydrocarbons and alternative sources of energy from deep beneath the earth's surface.

## **Entry Requirements**

### General Entry Requirements:

- At least a credit six in Malay Language at GCE Ordinary Level (*Applicable only to local Bruneian students applying for the award of Brunei Government Scholarships*).
- At least a credit six in Mathematics at GCE Ordinary Level.
- At least a credit six in English Language at GCE Ordinary Level or an IELTS score of 6.0 within the last two years or a TOEFL minimum overall score of 550 or its equivalent.

### Programme Entry Requirements:

The minimum entry requirements to the Year 1 of the Bachelor of Engineering (Honours) in Petroleum Engineering programme are:

- A minimum of 240 'A' Level points for 3 'A' level passes, must be Physics, Chemistry and Mathematics (excluding Further Mathematics) at grade 'C' or higher.
- **OR**
- An International Baccalaureate score of 32 points preferably with minimum of 5 points in Physics, Mathematics and/or Chemistry at higher level.

## **BEng (Hons) Petroleum Engineering Programme Structure**

### **YEAR 1 at ITB**

|   |
|---|
| <b>Semester 1</b>   |
|   |
| Introduction to Computer Systems and Information Technology |
| Communication Skills for Engineering 1                      |
| Engineering Mathematics 1                                   |
| Introductory Physics 1                                      |
| General Chemistry 1   |
| Introduction to Engineering Design and Innovation Part 1    |
| Introduction to the Petroleum Industry                      |
|   |
| <b>Semester 2</b>   |
|   |
| Communication Skills for Engineering 2                      |
| Engineering Mathematics 2                                   |
| Introductory Physics 2                                      |
| General Chemistry 2   |
| Introduction to Engineering Design and Innovation Part 2    |
| Fundamental of Petroleum Geology                            |
|   |

**Disclaimer:** ITB reserves the right to make any necessary changes to the programme without any prior notice.

**\*\* YEARS 2, 3 and 4 at UNSW**

## **FURTHER INQUIRIES**

For further information and details regarding the programme, please contact:

Petroleum & Chemical Engineering Programme Leader  
Faculty of Engineering  
Institut Teknologi Brunei  
Tungku Link, Gadong BE1410  
Negara Brunei Darussalam

Tel No: +673 2461020

Fax No: +673 2461035/6

Email: [saiful.duraman@itb.edu.bn](mailto:saiful.duraman@itb.edu.bn)