

# Foundation in SCIENCE

KPT/JPT(N/0011/3/0021) (02/28) (MQA/PA 16216)

The Foundation in Science is a pre-university programme that concentrates on science subjects. This programme aims to equip you with knowledge and skills in sciences such as biology, chemistry, physics, and mathematics. Students will have a choice of 2 pathways to either Health/ Biological Sciences or Engineering/ Physical Sciences. The programme is designed for your seamless transition into a science-related undergraduate degree locally or abroad.



## Entry Requirements\*

| Degree Programme                                       | Min. Entry Requirements   |   |  |
|--|---|---|--|
|  | SPM   | O-Level / IGCSE   | UEC  |
| • <b>Medicine</b>                                      | <b>Grade B in 5 subjects</b> including Mathematics (or Additional Mathematics), Biology, Chemistry, Physics, and 1 other subject, and Credit in Bahasa Malaysia and English | <b>Grade B in 5 subjects</b> including Mathematics (or Additional Mathematics), Biology, Chemistry, Physics, and 1 other subject, and Credit in English | <b>B4 in 3 subjects</b> including Biology, Chemistry, Physics or Mathematics (or Additional Mathematics) |
| • <b>Dentistry</b>                                     | <b>Grade B in 5 subjects</b> including Mathematics (or Additional Mathematics), Biology, Chemistry, Physics, and 1 other subject, and Credit in Bahasa Malaysia and English | <b>Grade B in 5 subjects</b> including Mathematics (or Additional Mathematics), Biology, Chemistry, Physics, and 1 other subject, and Credit in English | <b>B4 in 4 subjects</b> including Biology, Chemistry, Physics or Mathematics (or Additional Mathematics) |
| • <b>Pharmacy</b>                                      | <b>Grade B in 5 subjects</b> including Mathematics (or Additional Mathematics), Biology, Chemistry, Physics, and 1 other subject, and Credit in Bahasa Malaysia and English | <b>Grade B in 5 subjects</b> including Mathematics (or Additional Mathematics), Biology, Chemistry, Physics, and 1 other subject, and Credit in English | -  |
| • <b>Biomedical, Biotechnology and Sciences</b>        | <b>Credits in 5 subjects</b> including Mathematics and 2 Science subjects and pass in Bahasa Malaysia & English   | <b>Credit in 5 subjects</b> including Mathematics and 2 Science subjects and pass in English  | <b>Grade B in 3 subjects</b> including Mathematics and 2 Science subjects and pass in English            |
| • <b>Engineering</b>                                   | <b>Credit in 5 subjects</b> including Mathematics and 1 Physical Science subject  | <b>Credit in 5 subjects</b> including Mathematics and 1 Physical Science subject  | <b>Grade B in 3 subjects</b> including Mathematics and 1 Physical Science subject                        |
| • <b>Computer Science and Software Engineering</b>     | <b>Credit in 5 subjects</b> including Additional Mathematics  | <b>Credit in 5 subjects</b> including Additional Mathematics  | <b>Grade B in 3 subjects</b> including Additional Mathematics  |
| • <b>Information Technology and Information System</b> | <b>Credit in 5 subjects</b> including Mathematics   | <b>Credit in 5 subjects</b> including Mathematics   | <b>Grade B in 3 subjects</b> including Mathematics   |

\*Other qualifications recognised as equivalent by the Malaysian Government

# Core Courses

The typical course units, totalling 50 credits, are as follows:

|                             |   |   |  |
|-----------------------------|---|---|--|
| • <b>Compulsory courses</b> | <ul style="list-style-type: none"> <li>• Critical Thinking and Problem Solving</li> <li>• Foundation in English</li> <li>• Academic English</li> </ul>  | <ul style="list-style-type: none"> <li>• Study Skills</li> <li>• E-Commerce</li> <li>• Chemistry 1</li> </ul> | <ul style="list-style-type: none"> <li>• Mathematics 1</li> <li>• Mathematics 2</li> <li>• Statistics</li> <li>• Introduction to Information Technology</li> </ul> |
| • <b>Select one pathway</b> | <p><b>Health / Biological Sciences</b></p> <ul style="list-style-type: none"> <li>• Biology 1</li> <li>• Biology 2</li> <li>• Chemistry 2</li> </ul> <p><i>or</i></p> <p><b>Engineering / Physical Sciences</b></p> <ul style="list-style-type: none"> <li>• Physics 1</li> <li>• Physics 2</li> <li>• Mathematics 3</li> </ul> |   |  |

## Duration of Study

1 year

## Pathway After Completion



**Options** for undergraduate degree at the following universities:-

### • Taylor's University

- Bachelor of Medicine, Bachelor of Surgery (MBBS)
- Bachelor of Pharmacy (Honours)
- Bachelor of Biotechnology and Bachelor of Science (Food Science)
- Bachelor of Biomedical Science

### • Wawasan Open University (WOU)

- Bachelor of Technology (Hons.) in Mechatronics
- Bachelor of Technology (Hons.) in Electronics
- Bachelor of Technology (Hons.) in Construction Management
- Bachelor in Software Engineering (Hons.) (Application Development)
- Bachelor of Digital Business (Hons.)

### • AIMST University

- Bachelor of Computer Science
- Bachelor of Medical & Bachelor of Surgery (MBBS)
- Bachelor of Biomedical Science
- Bachelor of Dental Surgery
- Bachelor of Dental Technology
- Bachelor of Pharmacy
- Bachelor of Physiotherapy
- Bachelor of Science in Biotechnology
- Bachelor of Science in Bioinformatics
- Bachelor of Nursing Science
- Bachelor of Engineering in Electrical & Electronics

### • HELP University

- All science-based bachelor degree programmes

### • RCSI & UCD Malaysia (Penang Medical College)

- Bachelor of Medicine
- Bachelor of Surgery
- Bachelor in the Art of Obstetrics

### • University of Canterbury

- B.Data Sc., B.Env.Sc., B.Sc., B.Health Sc., B.Forestry Sc., and all Engineering and Computing Degree

### • Herriot-Watt University Malaysia

- MEng Chemical Engineering
- MEng Civil Engineering
- MEng Electrical and Electronic Engineering
- MEng Mechanical Engineering
- BSc (Hons) Computing Science

\*\*Subject to specific terms and conditions of entry.

# PhD Qualified Lecturers for Pre-University Studies

## Dr. Teo Soon Beng

### Principal Lecturer

- Ph.D (Melbourne, Australia)
- B.Sc. Hons. (Class 1)(La Trobe University)
- F.M.I.C

## Dr. Tan Fuyi

### Senior Lecturer

- Ph.D (Physics)(USM)
- MSc. (Physics)(USM)
- B.Applied Sc. (Hons.)(USM)

## Dr. Loo Ai Yin

### Senior Lecturer

- Ph.D (Chemistry) (USM)
- B.Applied Sc. (Hons.) (USM)

## Dr. Tan Sze Huey

### Senior Lecturer

- Ph.D (Molecular Biology) (USM)
- BSc. (Hons.) Genetics and Molecular Biology (USM)

## Dr. Kam Yew Chee

### Senior Lecturer

- Ph.D (Sc.)(UTAR)
- MSc. (Biotechnology)(USM)
- B.Applied Sc. (Hons.) (Biotechnology)(USM)

## Awards & Accreditations



## DISTED College

340 Macalister Road, 10350 Penang, Malaysia.

Tel : +604-229 6579

Fax : +604-226 6403

Email : info@disted.edu.my

[www.disted.edu.my](http://www.disted.edu.my)

Please follow us:

 @distedcollege

 @disted\_college

 @Disted College Penang

 DISTED College