

SCHOOL OF OCEAN ENGINEERING

PROGRAMME

GS15 BACHELOR OF APPLIED SCIENCE (ELETRONICS & INSTRUMENTATION PHYSICS)

INTRODUCTION

This programme provide specific exposure to students in the field of physics and electronics including ICT skills. Students are also encouraged to have a good intellectual resources in terms of solving problems, making decisions in a creative, have good skills, practicality, ability to communicate and critical thinking. Both of these elements are incorporated into the instrumentation will enable graduates to use these concepts to create, modify or troubleshooting components used in automation and robotics systems.

QUALIFICATIONS

MINIMUM QUALIFICATIONS FOR DIPLOMA / EQUIVALENT
General University Requirements
Passed Certificate of Education Malaysia (SPM) / equivalent with credits in Bahasa Melayu / Bahasa Malaysia or Bahasa Melayu / Bahasa Malaysia in July paper;
and
Have a diploma or other qualification recognized as equivalent by the Malaysian Government and approved by the IPTA Senate;
or
Passed in Malaysia Higher School Certificate (STPM) in 2010 or earlier with at least;
• Grade C (2.00) in General Studies;
and
• Grade C (2.00) in two (2) other subjects;
or
Passed the Matriculation examination in 2010 or earlier with at least CGPA 2.00;
and
A minimum Level 1 (Band 1) in the Malaysian University English Test (MUET).
PROGRAM SPECIAL REQUIREMENTS

For candidates STPM / Matriculation in 2010 or earlier: -

Obtained at least **Grade C (2.00)** in the following subjects:

- Physics / Engineering Physics
- Mathematics T / Further Mathematics T / Mathematics / Engineering Mathematics / Engineering Science / Electrical & Electronic Engineering Studies

MINIMUM REQUIREMENTS FOR MATRICULATION / FOUNDATION

General University Requirements

Pass the Certificate of Education Malaysia (SPM) / equivalent with credits in Bahasa Melayu / Bahasa Malaysia or credit in Bahasa Melayu / Bahasa Malaysia paper in July;

Passed Matriculation / UM Foundation Science / UiTM Foundation with a CGPA of at least **2.00**;

and

A minimum Level 1 (Band 1) in the Malaysian University English Test (MUET).

PROGRAM SPECIAL REQUIREMENTS

Obtained at least **Grade C (2.00)** at the Matriculation / Foundation level in the following subjects:

- Physics / Engineering Physics / Mathematics / Electrical & Electronic Engineering Studies

**** Open to category Matrix: Science (N), Engineering (K), Technical (J)**

MINIMUM QUALIFICATIONS FOR STPM

General University Requirements

Graduate Certificate of Education Malaysia (SPM) / equivalent with credits in Bahasa Melayu / Bahasa Malaysia or credit in Bahasa Melayu / Bahasa Malaysia paper in July.

and

Passed in Malaysian Higher School Certificate (STPM) with at least:

- Grade C (2.00) General Studies;

and

- Grade C (2.00) in two (2) other subjects.

and

A minimum Level 1 (Band 1) in the Malaysian University English Test (MUET).

PROGRAM SPECIAL REQUIREMENTS

Obtained at least **Grade C (CGPA 2.00)** at STPM level in the following subjects:

- Mathematics T / Further Mathematics T / Physics

PROGRAMME DURATION, TUITION FEES AND TOTAL CREDIT HOURS

Programme Duration	Local Students Fees/ Semester (RM)	International Students Fees/ Semester (RM)	Total Credit Hours
3 years	940.00	2180.00	120

- Fees shown are excluding hostel fees (accommodation) and Non-Recurring Fees.
- Non-Recurring Fees (paid only one time in the first half) - RM450.00
- Hostel fee (per semester and per student). There are three types of packages are offered:
 - 4 people per room - RM 357.00 / semester / student
 - 3 persons per room - RM 476.00 / semester / student
 - 2 persons per room - RM 595.00 / semester / student

Non-Recurring Fees (RM)

Registration fee	100.00
Orientation week	200.00
Co-curriculum	150.00
TOTAL	450.00

CAREER FIELD

Among the areas that can be pursued by graduates of the Bachelor of Applied Science (Physics and Electronics and Instrumentation) is as follows:

- Lecturer
- Physics Teacher
- Research Officer
- Physicist
- Technical Manager (Instrumentation)
- Quality Engineer
- R & D Engineer

- Businessman / entrepreneur
- Science Officer
- Army Officer
- Police Officer
- Astronaut

ADDITIONAL INFORMATION

For more information, please contact:

Department of Academic Management
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