ENTRY REQUIREMENTS

UNIVERSITY GENERAL REQUIREMENTS

- Pass SPM with credit in Bahasa Malaysia/Bahasa Melayu and pass in History subject (starting from 2013);
- Obtain at least Band 1.0 in MUET

STPM GRADUATES

- Achieve a minimum CGPA of 2.00 with Grade C in 3 subjects including General Studies

MATRICULATION/ FOUNDATION GRADUATES

- Pass KPM Matriculation/ Foundation in Science with a minimum CGPA of 2.00

STAM GRADUATES

- Obtain at least Jayyid Rank

DIPLOMA GRADUATES OR EQUIVALENT

- Pass Diploma or equivalent qualification; or, pass STPM in 2018 or earlier with ≥ Grade C in three (3) subjects including General Studies; or, pass KPM Matriculation/Foundation with ≥ CGPA 2.00

PROGRAM SPECIFIC REQUIREMENTS

STPM GRADUATES (SCIENCE)

- Achieve at least Grade C in ONE (1) of the following subjects: Physics, Additional Mathematics

MATRICULATION/ FOUNDATION GRADUATES (SCIENCE/ENGINEERING)

- Achieve at least Grade C in ONE (1) of the following subjects: Physics, Mathematics, Basic Engineering, Electrical and Electronics Engineering

DIPLOMA GRADUATES OR EQUIVALENT

- Obtain a minimum CGPA of 2.00

* MUET at least Band 3

ACADEMIC INTAKE

October (Semester I)

Universiti Malaysia Terengganu UMT

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FOR ANY INQUIRES

GENERAL INFORMATION (PROGRAMME)

Head of Program
Bachelor of Applied Science Nanophysics with Honours
Faculty of Science and Marine Environment
Universiti Malaysia Terengganu

GENERAL INFORMATION (FACULTY)

Faculty of Science and Marine Environment
Universiti Malaysia Terengganu
21030 Kuala Nerus, Terengganu

No. Tel : 096683990/3615
Fax : 096683991
email : fssm@umt.edu.my
Website : fssm.umt.edu.my

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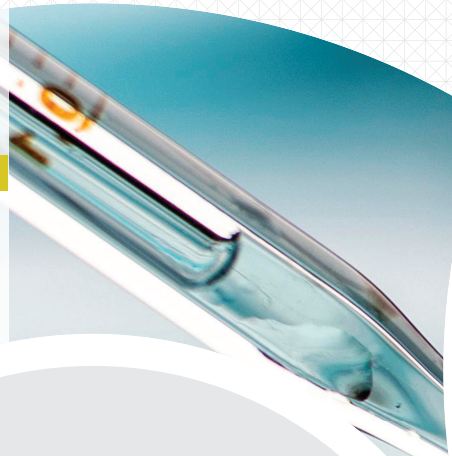
FACULTY OF SCIENCE AND MARINE ENVIRONMENT



BACHELOR OF APPLIED SCIENCE IN

NANOPHYSICS

with Honours

UG6441001

PROGRAMME DURATION

04 YEARS

8 SEMESTER

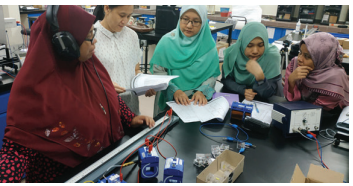
Accreditation by
MQA 0260
MBOT/PR/NT/0/02/000

Why Choose Us

1. Academic programs that provide students with early exposure to the latest equipment in the field of nanophysics.
2. Programs recognized by the Malaysian Board of Technology (MBOT).
3. Offer a work-based learning courses that provide direct experience to students as well as create a network with industry practitioners.

10 Main Courses Offered

- Classic Mechanics
- Basic Programming
- Modern Physics
- Quantum Physics
- Physics of Nanomaterials
- Thin Film Technology
- Quantum Phenomena in Nanostructures
- Synthesis and Fabrication of Nanomaterials
- Advanced Nanomaterials
- Nanomaterial Processing





Programme Introduction

Nanophysics is a branch of physics that relates to and exploits the phenomena for nanoscale materials. Students will be prepared to understand and exploit fundamental sciences to generate new knowledge and technology to be used in various nanotechnology industrial sectors such as nanoelectronics, nanosensors, nanofibers, nanomaterials, nanodevices and many more. The application of work-based learning (6 semester in university and 2 semester industrial training) in this program will integrate nanophysics' theoretical and practical learning together to prepare skilled graduates who are competitive and innovative.

Career Prospects

- Industrial Technologist (Nanoelectronics, Nanodevices & Nanomaterials)
- Research officer
- Science officer
- Nanotechnologist
- Quality Control Officer
- Scientist
- Educator
- Entrepreneur

Explore the fabulaous adventure of the nano world revolution that opens the door to technical wonders and innovation for future well-being