

# Foundation in Science

JPT/BPP(R2/010/3/0371)10/26, (MQA/A7034

## The Programme

The Foundation in Science programme is an intensive academic curriculum designed to provide students with a strong foundational knowledge in the core scientific disciplines. This programme serves as a stepping stone for individuals who aspire to pursue higher education in science-related fields or embark on careers in scientific research and innovation. With a focus on critical thinking, analytical skills and practical applications, the programme equips students with the tools they need to excel in the dynamic and ever-evolving world of science.

## Programme Module

The Foundation in Science programme offers a comprehensive range of subjects that lay the groundwork for a deeper understanding of scientific principles, methodologies and theories. By combining theoretical knowledge with hands-on laboratory experiences, students develop a strong scientific aptitude and a passion for inquiry-based learning.

### Core Subjects

- Basic Programme Design
- Co-curriculum
- English Language Proficiency
- Field Trips and Study Tours
- Foundation of Statistics
- Introduction to Academic English
- Introduction to Business
- Introduction to IT
- Introduction to Marketing
- Introduction to Programming

### Elective Subjects

- Advanced Mathematics
- Basic Electrical Engineering
- Biological Science I
- Biological Science II
- Computer Hardware and Maintenance
- General Chemistry I
- General Chemistry II
- General Physics I
- General Physics II
- Introduction to Workshop
- Mathematics for Science

## Programme Highlights

- Comprehensive academic preparation
- Personalised learning approach
- Bridging the gap between theoretical knowledge and practical skills
- Holistic skill development
- Practical application and experiential learning
- Flexible academic pathways
- Academic support and mentorship
- Seamless university progression

## Field trips & Study tours

The field trips and study tours is an enriching educational programme designed to complement classroom learning through hands-on experiences and immersive exploration. By venturing beyond the confines of traditional classroom settings, students engage in real-world applications of their academic knowledge and gain a deeper understanding of various subjects. It provides a unique opportunity to broaden perspectives, foster critical thinking and ignite a lifelong love for learning.

## Entry Requirements

SPM – 5 Credits including a credit in Maths and 1 Science subject and a pass in Bahasa Malaysia and History

O-Level - 5 Credits including a credit in Maths and 1 Science subject

UEC – 3Bs including a credit in Maths and 1 Science subject



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