



QUEST  
INTERNATIONAL  
UNIVERSITY

PERAK

In proud  
partnership with



# FOUNDATION IN SCIENCE

(JPT/BPP(A9504)03/24)



The **Foundation in Science (FIS)** programme is a three-term programme tailored to equip students with the knowledge and skills they need to successfully enrol in the undergraduate courses of their choice. The FIS programme offers a broad range of core courses that give students more options before they decide on their undergraduate programme.

Core science courses such as Biology, Chemistry, Physics and Mathematics form the main thrust of this programme. Students have the option of selecting relevant subjects based on their career pathway. They are given early exposure to the courses relevant to their choice of degree programmes, helping them to develop and become familiar with scientific, theoretical, and practical skills. Students will also develop life skills through subjects

like Critical Thinking, Interpersonal Communication and Frontier Studies which will make them more adaptable, confident, and team-oriented.

The students' progress is monitored through regular assessments and our academic staff are always at hand to guide them through the transition to degree-level programmes.

QIU's FIS programme provides quality Pre-University education with a broad and balanced curriculum that prepares students to meet the requirements and qualifications of undergraduate programmes.

## PROGRAMME CONTENT

The following courses are offered in the **Foundation in Science (JPT/BPP(A9504)03/24)**:

<b>University Courses</b>	<ul style="list-style-type: none"> <li>• Fundamental English 1</li> <li>• Fundamental English 2</li> </ul>	<ul style="list-style-type: none"> <li>• Interpersonal Communication</li> <li>• Critical Thinking</li> </ul>
<b>Core Courses</b>	<ul style="list-style-type: none"> <li>• Algebra and Geometry</li> <li>• Statistics and Probability</li> <li>• Physics 1</li> <li>• Computer Applications</li> </ul>	<ul style="list-style-type: none"> <li>• Frontier Studies</li> </ul>
<b>Biological Sciences</b>	<ul style="list-style-type: none"> <li>• Cell Biology</li> <li>• Physiology</li> <li>• Inheritance and Diversity of Life</li> </ul>	<ul style="list-style-type: none"> <li>• Molecular Chemistry</li> <li>• Physical Chemistry</li> </ul>
<b>Physical Sciences</b>	<ul style="list-style-type: none"> <li>• Physics 2</li> <li>• Introduction to Electrical and Electronics Engineering</li> </ul>	<ul style="list-style-type: none"> <li>• Calculus</li> <li>• Molecular Chemistry</li> <li>• Physical Chemistry</li> </ul>
<b>Computer Science</b>	<ul style="list-style-type: none"> <li>• Introduction to Programming</li> <li>• Introduction to Information Systems and Technology</li> </ul>	<ul style="list-style-type: none"> <li>• Calculus</li> <li>• Introduction to Web Design</li> <li>• Introduction to Multimedia</li> </ul>

## MINIMUM ENTRY REQUIREMENTS

<b>Foundation in Science</b>	SPM/ O-Level	Pass with minimum five (5) credits in Mathematics, two (2) science subjects and two (2) other subjects.
	UEC	Pass with minimum B in five (5) subjects including Mathematics, two (2) science subjects and two (2) other subjects.
To pursue degree programmes:		
<b>MBBS and Pharmacy</b>	SPM/ O-Level	Pass with minimum B in five (5) subjects including Biology, Chemistry, Physics, Mathematics / Additional Mathematics and one other subject.
	UEC	Pass with minimum B4 in three (3) subjects including Biology, Chemistry, Physics or (Mathematics/ Additional Mathematics).
<b>Engineering</b>	SPM/ O-Level	Pass with minimum credit in five (5) subjects including Mathematics, Physics and three (3) other subjects.
	UEC	Pass with minimum B in three (3) subjects including Mathematics, Physics and one (1) other subject.
<b>Applied Sciences</b>	SPM/ O-Level	Pass with minimum five (5) credits, subjects include Mathematics, Physics, Biology and Chemistry.
	UEC	Pass with minimum B in three (3) subjects including Biology, Physics, Mathematics and Chemistry.

**Duration:** 1 year

**Mode of Study:** Full-time study

### Assessment:

Students' ability is gauged through continuous assessments and a final semester examination. The continuous assessment component usually comprises a combination of: tests/quizzes, mid-term examination, laboratory related reports, essays, presentations and projects/assignments which accounts for an allocation of about 30-50 marks depending on the course. The balance of the marks is allocated for the final examination.

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