Foundation in Science (PA 9504)

The Foundation in Science (FS) programme is a stepping stone for students who wish to pursue a challenging academic path in the medical and health or the pure and applied sciences faculties. Basic science subjects such as Biology, Chemistry, Physics and Mathematics form the main thrust of this foundation programme. However, subjects such as IT, English and Sociology have also been incorporated into the programme to give students an opportunity to develop essential skills and to give them a perspective on issues relating to the social world. Such exposure to other academic courses will provide students with essential knowledge of the wider world as well as develop in them transferable intellectual skills.

By the end of the programme, students will be eligible to embark upon their chosen field of study in the science and technology disciplines provided they have achieved the minimum standards set for the respective programmes.

Our Focus

To uphold the University’s distinctive academic culture and vision to be an institution of pioneering research and innovation, a number of concrete objectives have been identified to provide holistic education for life:

- To offer cutting-edge, market-driven undergraduate and postgraduate programmes in the Medical and Allied Health Sciences, Pure and Applied Sciences, Engineering, Computer Technology, Business and Management, and Social Sciences fields that impact the local and global knowledge-economy;
- To promote research and innovation in frontier disciplinary and interdisciplinary areas of study in its various programmes with collaborative links to premier universities and centres of excellence;
- To promote student-centred learning and impart holistic education through extracurricular activities and soft skills training, including clinical/industrial exposure and technopreneurship training; and
- To be an outward-looking university that works closely with all segments of community and industry and thereby serve as a geographical focal point for socio-economic development of the State.

University Programmes

In catering for the manpower needs of the region as a whole, the University will offer a number of professional as well as distinctive academic programmes at the undergraduate level spanning Science and Social Science disciplines in relevant and highly marketable combinations.

The degree programmes can be undertaken as single majors, double degrees, joint degrees, or double major/major-minor degrees, together with postgraduate-taught courses in niche disciplinary and multidisciplinary areas which will be of major interest to various industry sectors. Only a comprehensive university will have the leverage to conduct such courses.
Entry Requirements

- For students who wish to pursue degree programmes in Health, Pure and Applied Sciences, the minimum entry requirements will be SPM or other equivalent qualifications approved by the University Senate and Ministry of Higher Education with five (5) credits in Mathematics, two Science subjects and two other subjects.

- As per mandatory Ministry of Higher Education guidelines, students who wish to pursue degree programmes in Medicine after completion of their Foundation in Science programme at Quest International University Perak (QIUP) primarily need to possess a minimum entry qualification of grade ‘B’ in Biology, Chemistry, Physics, Mathematics or Additional Mathematics and one other subject at the SPM or equivalent level.

- Students who wish to pursue degree programmes in Dentistry or Pharmacy after completion of their Foundation in Science programme at QIUP will need to possess a minimum entry qualification of grade ‘B’ in Biology, Chemistry, Physics, Mathematics and Additional Mathematics at the SPM or equivalent level.

The above entry requirements also apply for students with ‘O’ Level qualifications.

Course Content

The following courses make up the Foundation in Science (PA 9504) programme curriculum:

| Semester 1 | Biology 1  
|           | Chemistry 1  
|           | English Skills 1  
|           | Information Technology Skills |
| Semester 2 | Biology 2  
|           | Physics 1  
|           | Mathematics 1  
|           | English Skills 2 |
| Semester 3 | Chemistry 2  
|           | Physics 2  
|           | Mathematics 2  
|           | Foundations in Sociology |

Intakes: There will be two (2) intakes in each academic year, i.e. in April and September.

Duration: The tri-semester programme is taught over a period of 13 ½ months.

Mode of Study: Full-time study.

Assessment: Students’ ability is gauged through both continuous assessments and a final year exam. The continuous assessment component comprises a combination of three or more of the following: tests/quizzes, mid-term examination, laboratory related assignments, essays, poster presentations, assessed tutorials and projects/assignments. It accounts for an allocation of about 40-50 marks depending on the subject. The balance of the marks is allocated for the final examination.