



The University of Fiji

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Programme Name: Bachelor of Science in Chemistry/Physics

Programme Description

This programme provides the students with a course of study concentrating on the interface between Chemistry and Physics. It provides students with a broad-based understanding of the theories of contemporary physical and chemical sciences. Graduates will have gained the knowledge and confidence to hold employment in the many professions associated with chemical and physical science. The programme consists of 24 courses and has a total credit point of 360.

Admission Requirements:

Persons shall be eligible to be admitted to study for a Bachelor of Science (Double Major in Chemistry and Physics) if they have:

- a) Direct Entry - Year 13 (FSFE) or Equivalent
 - i. Passed the University Foundation Programme; or
 - ii. Passed Fiji Year 13 Examination with an aggregate of at least 200 marks in 4 subjects with a minimum of 50% in English and The individual must have taken Physics and Chemistry or related courses in Year 13 or equivalent; or
 - iii. Pass in Fiji School Leaving Certificate (FSLC) or its equivalent (at least 200 marks in 4 subjects with 50% in English), The individual must have taken Physics and Chemistry or related courses in Year 13 or equivalent and 2 years of relevant work experience, OR
 - iv. Passed an examination deemed by the University to be equivalent to the University Foundation Education Certificate

Duration of the programme: Full-Time – 3 years Part-Time – 6 years with a minimum of 2 courses per semester

Location: Samabula and Saweni Campus

Estimated Tuition Fees - Local (FJD):

Estimated Tuition Fees –International (FJD):

Programme Structure

Year 1 Semester 1

Course Title	Credit Points
CHE111 Principles of Inorganic and Physical Chemistry	15
PHY111 Physics I	15
LLC101 English for Academic Purposes	15
MTH111 Calculus I and Linear Algebra / ITC100 Information Technology for the Workplace	15

Year 1 Semester 2

Course Title	Credit Points
CHE112 Principles of Organic Chemistry	15
PHY112 Physics II	15
ESC103 Introduction to Scientific Research	15
ITK111 Spoken iTaukei Language for Beginners/ HIC111 Spoken Hindi for Beginners	15

Year 2 Semester 1

Course Title	Credit Points
CHE211 Physical and Inorganic Chemistry	15
PHY212 Atmospheric Physics	15
PHY214 Physics of the Environment	15
ESC203 Geographic Information Systems	15

Year 2 Semester 2

Course Title	Credit Points
CHE212 Organic and Analytical Chemistry	15
UUU200 Contemporary Fiji	15
PHY213 Quantum Physics	15
ESC201 Climate Change and Society	15

Year 3 Semester 1

Course Title	Credit Points
CHE311 Qualitative and Quantitative Techniques	15
CHE314 Biochemistry	15
PHY313 Meteorological Physics/ PHY315 Environmental Soil Physics/ PHY311 Research Topic in Physics	15
UUU300 Governance and Ethics	15

Year 3 Semester 2

Course Title	Credit Points
CHE312 Aquatic Chemistry	15
CHE313 Environmental and Applied Chemistry	15
PHY312 Renewable Energy Resources	15
PHY314 Electricity and Electronics	15

Disclaimer: The University of Fiji reserves the right to amend the above programme document.