



## Programme Name: Bachelor of Science in Information Technology and Mathematics

### Programme Description

This Bachelor of Science in Information Technology and Mathematics programme consists of 24-course units amounting to 360 credit points. Students must complete all compulsory courses and elective courses.

### Admission Requirements:

Persons shall be eligible to be admitted to study for Information Technology and Mathematics 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 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), 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 duration is for 3 years with 4 courses per semester. Part-time basis students have a duration of 6 years with a minimum of 2 courses per semester.

**Location:** Samabula and Saweni

**Estimated Tuition Fees - Local (FJD):**

**Estimated Tuition Fees –International (FJD):**

### Programme Structure

#### Year 1 Semester 1

Course Title	Credit Points
ITC100 Information Technology for the Workplace	15
<b>ITC115 Introduction to Software Engineering</b>	15
MTH111 Calculus 1 and Linear Algebra	15
ESC103 Introduction to Scientific Research	15

#### Year 1 Semester 2

Course Title	Credit Points
ITC104 Database Systems	15
ITK111 Spoken iTaukei Language for Beginners/ HIC111 Spoken Hindi for Beginners	15
MTH114 Calculus II and Differential Equations	15

LLC101 English for Academic Purposes	15
--------------------------------------	----

### Year 2 Semester 1

Course Title	Credit Points
ITC203 System and Software Architecture	15
MTH211 Advanced Calculus	15
ITC213 Systems Analysis and Modelling	15
UUU200 Contemporary Fiji*	15

### Year 2 Semester 2

Course Title	Credit Points
ITC208 System Project and Quality Management	15
MTH201 Discrete Mathematics	15
ITC263 Security and Support in IT (Replaces ITC262)	15
MTH214 Linear Algebra	15

### Year 3 Semester 1

Course Title	Credit Points
ITC314 Web Design and Programming	15
ITC355 Business Intelligence	15
MTH315 Abstract Algebra	15
UU300 Governance and Ethics*	15

### Year 3 Semester 2

Course Title	Credit Points
ITC391 Special Topic in ICT	15
ITC334 Cloud Computing	15
MTH314 Real and Complex Analysis	15
MTH312 Numerical Analysis and Optimisation	15

*\*UUU200 and UUU300 are offered in both semesters. Students are required to enrol in the two courses in either semester.*

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