

- ITC 405 Enterprise Database and Knowledge Base Systems
- ITC 406 Mobile Networking and Applications
- ITC 410 Supervised Project
- ITC 415 Advanced Database and Data Warehousing
- ITC416 Advanced Business Intelligence Systems
- ITC431 Client Server Computing
- ITC451 Knowledge Management
- ITC461 Information Security
- ITC491 Research Methodology 1
- ITC500 Thesis

Admission Criteria

To be admitted to **BIT** degree or **BSC** degree a person shall have:

- Passed a Senate-recognized Year 13 or equivalent examination; or
- Completed a diploma or a degree at a recognized tertiary institution,
- Met the criteria for admission with standing, or
- Met the criteria for mature student admission.

A person seeking admission under (a) shall have:

- In the Year 13 Examination, achieved an aggregate of not less than 200 marks out of 400; and at least 50% in English and Mathematics
- Completed the requirements for a UniFiji Certificate in Foundation Studies; or a foundation or equivalent
- Completed studies at Year 13 level deemed equivalent by Senate or its delegate

To be admitted to PGDITC a person shall have:

- a relevant bachelor's degree with a grade point average (GPA) of at least 3.0 or
- a tertiary qualification deemed by Senate or its delegate to be equivalent to the criteria in clause (a);

The Postgraduate Diploma is an entry qualification for the Master's degree.



The University of Fiji

School of Science & Technology

“Envision, Innovate and Inspire”

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The University of Fiji



Computer Science & Mathematics

Envision, Innovate and Inspire

Overview of Offerings

The Department of Computer Science and Mathematics (CSM) offers the following programmes in 2020

- Diploma in Information Technology (DITC)
- Bachelor of Information Technology (BIT)
- Bachelor of Science (Double major in Information Technology and Mathematics)
- Bachelor of Science (Single major in Information Technology)
- Bachelor of Science (Double major in Mathematics and Physics)
- Postgraduate Diploma in Information Technology (PGDITC)
- Master of Science in Information Technology (MScITC)
- Master of Information Technology (MInfTech)

Qualification Structure

Diploma in Information Technology (DITC)

- ITC 100, ITC 103, ITC 106, ITC 111/HIC 111
- ITC 104, ITC 115, LLC 101, UUU 100
- ITC 203, ITC 213, ITC 215/ITC 221, ITC 251
- ITC 208, ITC 262, ITC 263, MTH 201

Bachelor of Information Technology (BIT)

- ITC 100, ITC 103, ITC 106, LLC 101
- ITC 104, ITC 115, ITC 111/HIC 111, MTH 201
- ITC 203, ITC 213, ITC 251, ITC 215 or ITC 221 (Specialization 1)
- ITC 208, ITC 262, ITC 263, ITC 216 or ITC 224 (Specialization 2)
- ITC 314, ITC 355, ITC 362, ITC 312 or ITC 326 (Specialization 3)
- ITC 307, ITC 333, ITC 334, ITC 325 (specialization 4)

Bachelor of Science (Information Technology / Mathematics)

- ITC 100, ITC 106, MTH 111, UUU 100
- ITC 104, MTH 114, LLC 101, ITC 111/HIC 111
- ITC 203, ITC 213, MTH 211, UUU 200
- ITC 208, ITC 263, MTH 201, MTH 214
- ITC 314, ITC 355, MTH 315, UUU 300
- ITC 334, ITC 391, MTH 314, MTH 312

Bachelor of Science (Single major in Information Technology)

- ITC 100, ITC 106, Minor (BIO 111/CHE 111/PHY 111/MTH 111), LLC 101
- ITC 115, Minor (BIO 112/CHE 112/PHY 112/MTH 114), ITC 111/HIC 111, UUU 100
- ITC 203, ITC 213, ITC 221/ITC 215, Minor (BIO 211/CHE 211/ PHY 212/ MTH 211)
- ITC 208, ITC 263, ITC 224/ITC 216, UUU 200
- ITC 312/ITC 326, ITC 314, ITC 355, Minor (BIO 311/ ESC 300/ CHE 311/ PHY 313/ PHY 315/ MTH 312)
- ITC 334, ITC 391, Minor (BIO 313/ CHE 313/ ESC 300/ MTH 314/ MTH 312, UUU 300)

Postgraduate Diploma in Information Technology

- ITC 491,
- plus any three courses from (ITC 401, ITC 402, ITC 405, ITC 416, ITC 451, ITC 461)

Master of Science in Information Technology

- ITC 491,
- plus any four courses from (ITC 401, ITC 402, ITC 405, ITC 416, ITC 451, ITC 461)
- ITC 410
- ITC 500

Master of Information Technology (By Coursework)

- ITC 491,
- plus any four courses from (ITC 401, ITC 402, ITC 405, ITC 416, ITC 451, ITC 461)
- ITC 410
- plus any two courses from (ITC 403, ITC 404, ITC 406, ITC 415, ITC 431, ITC 441)

Master of Information Technology (With a Minor Thesis)

- ITC 491,
- plus any four courses from (ITC 401, ITC 402, ITC 405, ITC 416, ITC 451, ITC 461)
- ITC 410
- ITC 500

List of Courses

- CSA F11 Computer Foundations I
- CSA F12 Foundation Programming
- MTH F11 Foundation Mathematics I
- MTH F12 Foundation Mathematics II
- ITC 100 Information Technology for the Workplace
- ITC 103 Information Systems in Organisations
- ITC 104 Database Systems
- ITC 106 Programming Concepts and Constructs
- ITC 115 Introduction to Software Engineering
- MTH 111 Calculus 1 and Linear Algebra
- MTH 114 Calculus II and Differential Equations
- ITC 203 System and Software Architecture
- ITC 208 Systems Project and Quality Management
- ITC 213 System Analysis and Modelling
- ITC 215 Data Structures and Algorithms
- ITC 216 Software Design and Programming
- ITC 221 Computer Application in Art and Design
- ITC 224 Virtualisation and Animation
- ITC 251 Data Warehousing
- ITC 262 Professional Practice in IT
- ITC 263 Security and Support in IT
- MTH 201 Discrete Mathematics
- MTH 211 Advanced Calculus
- MTH 214 Linear Algebra
- ITC 312 Mobile Application Development
- ITC 314 Web Design and Programming
- ITC 326 Three Dimensional Designs
- ITC 355 Business Intelligence
- ITC 362 System and Network Administration
- MTH 312 Numerical Analysis and Optimisation
- MTH 314 Real and Complex Analysis
- MTH 315 Abstract Algebra
- ITC 307 IT Project
- ITC 325 Games Programming Techniques
- ITC 333 Distributed Systems Technology
- ITC 334 Cloud Computing
- ITC 391 Special Topic in ICT
- ITC 401 IT Project Management
- ITC 402 Web Application Design and Implementation
- ITC 403 Network Security
- ITC 404 Advances in Software Engineering