Brochure

Faculty of Engineering, Built Environment and Information Technology
Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie / Lefapha la Boetšenere, Tikologo ya Kago le Theknolotši ya Tshedimošo

UNIVERSITEIT VAN PRETORIA
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Department of Informatics

MASTER OF INFORMATION TECHNOLOGY

MIT ICT MANAGEMENT

2025 Brochure

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Programme: MIT ICT Management

PURPOSE

The graduate of the Master's degree in IT will have the knowledge and skills to manage and lead information and information technology-related activities in an organisation in strategic, operational and project environments. This degree provides a broad IT perspective as well as good research and reporting skills. The MIT degree is ideal for a middle management officer in preparation for senior management. Half of the degree is course work and the other half a mini-dissertation.

MIT ICT Management CURRICULUM (2025)

First year, semester 1 (55 credits)

MIT 855 (10 credits): IT research

Research methodologies applicable to the IT field as preparation for the mini-dissertation.

(MIT 855 is a compulsory requirement for admission to MIT 840)

MIT 846 (15 credits): Data, information and knowledge management

Information and knowledge are regarded as the primary assets of organisations in the knowledge economy. Therefore an overview of information and knowledge management is presented before specific focus is placed on the manner in which technology can enable and support the management of information and knowledge within organisations. This includes selecting and using appropriate data analytics methods. Capturing and structuring data and information requirements using appropriate modelling techniques.

MIT 847 (15 Credits): ICT Management

Principles and techniques of people, project and infrastructure management with specific reference to ICT-projects.

MIT 848 (15 credits): Strategic ICT management and governance

The role of ICT in obtaining competitive advantage; management of ICT to obtain such advantages.

First year, semester 2 (35 credits)

MIT 845 (15 credits): Digital economy

To develop a management perspective of some key concepts and issues pertinent to the digital (or internet) economy. Discussion of innovation, organizational change and entrepreneurship.

MIT 854 (10 credits): Enterprise Systems

This module focuses on the problems posed by large systems typically exemplified by integrated IT applications in the corporate sector. Facets covered are the relationships between components in the system (hardware, software, people) and the processes in the system.

MIT 849 (10 credits): Enterprise Architecture Management and Lifecycle models for IT

The course aims to provide an overview of Enterprise Architecture Management (EAM) in organisations and also introduce the fundamental techniques of software engineering, by looking at maturity models, software life-cycles and methods, standards and procedures to assess and measure the quality of processes.

Second Year (90 credits)

MIT 840 (90 credits): Mini-dissertation
  The mini-dissertation is an individual report of independent research under the guidance of a supervisor.

DEGREE FORMAT
Degree Code: 12254015
Faculty of Engineering, Built Environment and Information Technology
Minimum duration of study: 2 years
Total credits: 180

Programme information
This degree programme is presented in English only.
Also consult G Regulations G.30 to G.54
The curriculum is determined in consultation with the programme organiser.
A student will have to apply to the Dean of the Faculty of Engineering, Built Environment and Information Technology if he/she requires more than two years to complete the degree.

Admission requirements

1. Relevant honours degree with a cumulative weighted average of at least 65% for the honours degree **or** relevant four-year bachelor's degree with a cumulative weighted average of at least 65% for the degree.

2. Pass mark in Mathematics at NSC level or another qualification in Mathematics, Statistics, Mathematical Statistics or equivalent.

3. All postgraduate applications are subject to departmental admission processes.

4. Admission is based on the content of and performance in the prior degree, bridging arrangements (where required), academic merit and prior work experience (if applicable).

5. Recommendation letter from the employer/line manager, indicating a commitment that they will make time available for the employee to devote to the studies.

6. Essay/motivation letter regarding the interest in this degree.

7. Comprehensive CV (a template is available on the departmental website).

Only applicants who comply with the requirements set out in this document will be considered for selection. However, the achievement of the minimum requirements does not guarantee admission as only a limited number of students can be accommodated.

Other programme-specific information
Discontinuation of studies
The Dean may, on the recommendation of the admissions committee, cancel the studies of a student who fails more than one module. A module may only be repeated once.

Deregistration of modules
Deregistration of modules is only allowed before the early deadline (refer to the UP calendar).

A student may take 2 modules from another master degree with the permission of the programme coordinators of both degrees.

Examinations and pass requirements

A minimum semester mark of 40% is required in order to be admitted to the final examinations in all the prescribed modules of the degree. A final mark of 50% is required to pass all coursework modules and the mini-dissertation.

Pass with distinction

The degree is conferred with distinction on students who have obtained at least 75% for the mini-dissertation and a minimum of 75% weighted average final mark for the coursework modules and completed the degree in the minimum time.

Minimum/Maximum study period

The MIT ICT Management programme is a two year degree. Students **must** complete the degree in a **maximum of three** years.

Yearbook information

NB - Please review and familiarise yourself with the Faculty Yearbook and applicable regulations:

https://www.up.ac.za/yearbooks/2025/EBIT-faculty/MA-programmes/view/12254015

CONTACT DETAILS

The preferred mode of communication is via e-mail. Please **ALWAYS** include your student number in all communication to UP. Module related information will be published via ClickUP.

MIT Website:

https://www.up.ac.za/en/informatics/article/2075225/postgraduate-mit-ict-management-coursework-previously-stream-a

MIT Administration:

Mrs Rhona van der Merwe

Email: mitA@up.ac.za / Telephone: 012 420 6321

MIT Coordinator

Prof Tendani Mawela

Email: tendani.mawela@up.ac.za / Telephone: 012 420 3798

FEES

Ms Rose Malinga

Email: rose.malinga@up.ac.za / Telephone: 012 420 5110

FACULTY ADMINISTRATION

Ms Helen Molapo

Email: helen.molapo@up.ac.za / Telephone: 012 420 3011

Timetable: Dates and Venue 2025
First Year Students – Semester 1
(Dates, times and venues subject to change- Check ClickUP)
Note: Class attendance is compulsory.

Date	Time	Venue	Module
Friday 7 February 2025	08:00 – 10:00 10:30 – 12:30 13:00 – 15:00 15:30 – 17:30	Room 2-27,IT Building Hatfield Campus	MIT 855 IT Research MIT 846 Data, Information and Knowledge Management MIT 848 Strategic ICT management and governance MIT 847 ICT Management
Friday 14 March 2025	08:00 – 10:00 10:30 – 12:30 13:00 – 15:00 15:30 – 17:30	Room 2-27,IT Building Hatfield Campus	MIT 855 IT Research MIT 846 Data, Information and Knowledge Management MIT 848 Strategic ICT management and governance MIT 847 ICT Management
Friday 11 April 2025	08:00 – 10:00 10:30 – 12:30 13:00 – 15:00 15:30 – 17:30	Room 2-27,IT Building Hatfield Campus	MIT 855 IT Research MIT 846 Data, Information and Knowledge Management MIT 848 Strategic ICT management and governance MIT 847 ICT Management
Friday 16 May 2025	08:00 – 10:00 10:30 – 12:30 13:00 – 15:00 15:30 – 17:30	Room 2-27,IT Building Hatfield Campus	MIT 855 IT Research MIT 846 Data, Information and Knowledge Management MIT 848 Strategic ICT management and governance MIT 847 ICT Management

Semester 1 Exams
EXAM TIME: 30 May 2025 – 27 June 2025

Please note that your semester mark may not be lower than 40% for you to be admitted to the exam. There is also a sub-minimum of 40% on the exam mark in order to pass. Your final mark should be at least 50% in order to pass the module. **No supplementary exams or aegrotats will be granted**.

Module	Exam Date	Format
MIT 855	TBA – Check ClickUP	TBA – Check ClickUP
MIT 846	TBA – Check ClickUP	TBA – Check ClickUP
MIT 847	TBA – Check ClickUP	TBA – Check ClickUP
MIT 848	TBA – Check ClickUP	TBA – Check ClickUP

First Year Students – Semester 2
(Dates, times and venue subject to change - Check ClickUP)
Note: Class attendance is compulsory.

Date	Time	Venue	Module
Friday 1 August 2025	08:30 – 10:30 11:00– 13:00 13:30 –15:30	Room 2-27,IT Building Hatfield Campus	MIT 849 EAM and Lifecycle Models for IT MIT 845 Digital economy MIT 854 Enterprise systems
Friday 29 August 2025	08:30 – 10:30 11:00– 13:00 13:30 –15:30	Room 2-27,IT Building Hatfield Campus	MIT 849 EAM and Lifecycle Models for IT MIT 845 Digital economy MIT 854 Enterprise systems
Friday 26 September 2025	08:30 – 10:30 11:00– 13:00 13:30 –15:30	Room 2-27,IT Building Hatfield Campus	MIT 849 EAM and Lifecycle Models for IT MIT 845 Digital economy MIT 854 Enterprise systems
Friday 24 October 2025	08:30 – 10:30 11:00– 13:00 13:30 –15:30	Room 2-27,IT Building Hatfield Campus	MIT 849 EAM and Lifecycle Models for IT MIT 845 Digital economy MIT 854 Enterprise systems

Semester 2 Exams
EXAM TIME: 7 November -21 November 2025

Please note that your semester mark may not be lower than 40% for you to be admitted to the exam. There is also a sub-minimum of 40% on the exam mark in order to pass. Your final mark should be at least 50% in order to pass the module. **No supplementary exams or aegrotats will be granted**.

Module	Exam Date	Format
MIT 854	TBA – Check ClickUP	TBA – Check ClickUP
MIT 849	TBA – Check ClickUP	TBA – Check ClickUP
MIT 845	TBA – Check ClickUP	TBA – Check ClickUP

Second Year Students – Semester 1 and Semester 2

Module: MIT 840 – Mini-dissertation

- Research workshop for MIT840 students on Friday 28 February 2025, Hatfield Campus (Venue to be confirmed)
- No other classes
- Book consultations with your research supervisor as required.
- **NB Refer to MIT840 ClickUP for:**
    - Module related announcements and updates
    - Ethics application process
    - Mini-dissertation submission process

Lecturer Contact Details 2025

General MIT Contact	E-Mail address	Telephone
MIT ICT Management Programme Coordinator: Prof Tendani Mawela Room 5-99, IT Building	tendani.mawela@up.ac.za	(012) 420 3798
MIT Administration: Mrs Rhona van der Merwe Room 5-78, IT Building	rhona.vandermerwe@up.ac.za	(012) 420 6321
Faculty Administration: Ms Helen Molapo Room 6-5, Engineering Building 1	helen.molapo@up.ac.za	(012) 420 3011
Module code	**Module Coordinator and Lecturer(s)**	**E-Mail address**	**Telephone**
MIT 840	Prof Tendani Mawela	Tendani.mawela@up.ac.za	012 420 3798
MIT 846	Prof Hanlie Smuts	Hanlie.smuts@up.ac.za	012 420 3798
MIT 848	Dr Henk Pretorius	Henk.pretorius@up.ac.za	012 420 3798
MIT 849	Prof Riana Steyn	Riana.steyn@up.ac.za	012 420 3798
MIT 845	Prof Marita Turpin	Marita.turpin@up.ac.za	012 420 3798
MIT 847	Prof Machdel Matthee	Machdel.matthee@up.ac.za	012 420 3798
MIT 854	Prof Funmi Adebesin	Funmi.adebesin@up.ac.za	012 420 5667
MIT 855	Prof Machdel Matthee Prof Hanlie Smuts	Machdel.matthee@up.ac.za Hanlie.smuts@up.ac.za	012 420 3798 012 420 3798

AVOIDING PLAGIARISM: A GUIDE FOR STUDENTS

You commit plagiarism when in any written work you use another person's words, ideas or opinions without acknowledging them as being from that other person. You do this when you copy the work word-by-word (verbatim); or submit someone else's work in a slightly altered form (such as changing a word with one meaning to another word with the same meaning);

and you do not acknowledge the borrowing in a way that shows from whom or where you took the words, ideas or reasoning.

You must provide references whenever you quote (use the exact words), paraphrase (use the ideas of another person, in your own words) or summarise (use the main points of another's opinions, theories or data).

It does not matter how much of the other person's work you use (whether it is one sentence or a whole paragraph), or whether you do it unintentionally or on purpose. If you present the work as your own without acknowledging that person, you are committing theft. Because of this, plagiarism is regarded as a very serious contravention of the University's rules which can lead to expulsion from the University.

Even if another student gives you permission to use one of his or her past assignments or other research to hand in as you own, you are not allowed to do it. It is another form of plagiarism. You are also not allowed to let anybody copy your work with the intention of passing it off as his/her work.

While academic staff must teach you about systems of referencing, and how to avoid plagiarism, you too need to take responsibility for your own academic career. Speak to your lecturer if you are at any stage uncertain as to what is required.

You are referred to https://www.library.up.ac.za/plagiarism for more information.

The university uses a program which detects any use of plagiarism, namely Turnitin (https://www.turnitin.com/). Lecturers have the right to submit any piece of work, submitted for assessment, to this program.

E-MAIL ADDRESS POLICY

It is the policy of the University of Pretoria to supply all students who study at the University with an e-mail address for life.

The official communication medium with students of the University is via the web interface *Student Online Services* (SOS). This is accessible through the University's Homepage.

Every student is therefore supplied with a unique "life-long" standard e-mail address. The format of this standard e-mail address is:

unumber@tuks.co.za

Every year during registration a student has the opportunity to save an alternative "forwarding" e-mail address to which the student's e-mail can be sent. This e-mail address will then be set up as the "forwarding" address.

Should the student want to change the e-mail address after registration it can be changed on *Student Online Services* (SOS).

You are therefore encouraged to change and/or correct your e-mail address personally on *Student Online Services* as and when necessary. The Faculty Administration no longer has access to make changes to a student's email after registration.

PARKING INFORMATION

Due to parking constraints all **Masters and Honours students** will only be allowed **parking after 14:00** for which they may **apply via the online parking system on the Student Portal**. All undergraduate students may park on Hatfield Campus **only** from 16:30. Undergraduate students studying on the satellite campuses may park on these campus grounds for 24 hours after obtaining a parking disc for the specific campus (Mamelodi, Medical, Onderstepoort, and Groenkloof).

Students may park on the official student parking areas of the University, i.e.:

- Corners of **Burnett and Festival Streets** (H17)

- Corners of **Herold and Duxbury Streets** (H29)

- Corners of **Herold and Lynnwood Road** (H30)

These are safe enclosed areas with a UP security guard. Students must show their student card upon entry. This parking works on first come first serve basis and there is no allocated parking. There are also no fees payable.

Park-and Ride facility:

- The park-and-ride facility is available for use to staff and students.

- Security guards will be on duty to facilitate parking.

- Staff and students must show a valid staff/student card on request.

- The Park-and-Ride facility is free of charge.

- The service will be monitored and formally evaluated every three months to determine its continuation and or adjustment.

- A time table and route indicator will be visible in each bus.

Between the Hatfield campus and LC de Villiers Sports Complex:

- The parking area to be used is right next to the Daan Swiegers Building on LC De Villiers which is south of the rugby stadium.

- **From LC de Villiers:** A bus will depart every 15 minutes from 06:45 to 17:45.

- **On Campus:** The bus will stop at the Graduate Centre to collect or drop off passengers.

- **From Hatfield campus [Graduate Centre]:** A bus departs every 15 minutes from 07:00 to 17:45.

Only registered Honours and Masters students can park after 14:00 on Hatfield Campus, after obtaining a parking disc.