# MIT Information Technology (02250082)

| | |
|---|---|
| **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 three years to complete the degree.

## Admission requirements

(i)  Subject to the stipulations of Gen. Reg. G.1.3 G.31 and G.54, an appropriate honours or bachelor's degree is a requirement for admission; and

(ii)  A pass mark in Mathematics at grade 12 level or another qualification in Mathematics Statistics or Mathematical Statistics which the Chairperson of the School of Information Technology considers to be sufficient; and

(iii) Sufficient appropriate practical experience in the technology field in the opinion of the Chairperson of the School of Information Technology.

(iv) The Chairperson of the School of Information Technology may impose additional requirements for admission. In particular this will apply to candidates with insufficient academic background in Information Technology.

(v) Selection of candidates will take place.

(vi) The result of the selection is final and no correspondence will be entered into.

## 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.

**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.

# 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.

# Curriculum: Year 1

**Minimum credits: 74**

## Core modules

### Information and knowledge management 835 (MIT 835)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 1 |

### Organisational behaviour and management 841 (MIT 841)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 2 |

### Computer science in perspective 842 (MIT 842)

| | |
|---|---|
| **Module credits** | 5.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Computer Science |
| **Period of presentation** | Semester 1 |

### Information in perspective 843 (MIT 843)

| | |
|---|---|
| **Module credits** | 5.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 1 |

## Life-cycle and maturity models for IT 850 (MIT 850)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Computer Science |
| **Period of presentation** | Semester 2 |

## Digital economy 851 (MIT 851)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Semester 2 |

## ICT project management 852 (MIT 852)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Semester 2 |

## Corporate IT systems 853 (MIT 853)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Computer Science |
| **Period of presentation** | Semester 2 |

## ICT infrastructure management 860 (MIT 860)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |

| Language of tuition | English |
| --- | --- |
| Academic organisation | Computer Science |
| Period of presentation | Semester 1 |

## IT research 862 (MIT 862)

| Module credits | 8.00 |
| --- | --- |
| Prerequisites | This module is a compulsory requirement for admission of A Stream students to MIT 840 |
| Contact time | 16 contact hours per semester |
| Language of tuition | English |
| Academic organisation | School of Information Technolo |
| Period of presentation | Semester 1 |

**Module content**

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

## Web trends in the library 865 (MIT 865)

| Module credits | 8.00 |
| --- | --- |
| Prerequisites | No prerequisites. |
| Contact time | 16 contact hours per year |
| Language of tuition | English |
| Academic organisation | Information Science |
| Period of presentation | Year |

## Digital repositories 866 (MIT 866)

| Module credits | 8.00 |
| --- | --- |
| Prerequisites | No prerequisites. |
| Contact time | 16 contact hours per year |
| Language of tuition | English |
| Academic organisation | Information Science |
| Period of presentation | Year |

## The knowledge society and international librarianship 867 (MIT 867)

| Module credits | 8.00 |
| --- | --- |
| Prerequisites | No prerequisites. |
| Contact time | 16 contact hours per year |
| Language of tuition | English |

| **Academic organisation** | Information Science |
|---|---|
| **Period of presentation** | Year |

## Facilitating information retrieval and information use 868 (MIT 868)

| **Module credits** | 8.00 |
|---|---|
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per year |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Year |

## IT systems in libraries 869 (MIT 869)

| **Module credits** | 8.00 |
|---|---|
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per year |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Year |

## Knowledge management 872 (MIT 872)

| **Module credits** | 8.00 |
|---|---|
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per year |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Year |

## Network technologies 873 (MIT 873)

| **Module credits** | 6.00 |
|---|---|
| **Prerequisites** | No prerequisites. |
| **Contact time** | 8 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 1 |

## Organisational behaviour and leadership 875 (MIT 875)

| **Module credits** | 6.00 |
|---|---|

| | |
|---|---|
| **Prerequisites** | No prerequisites. |
| **Contact time** | 8 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 1 |

## Strategic ICT management 876 (MIT 876)

| | |
|---|---|
| **Module credits** | 5.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 8 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Semester 2 |

## IT Research 879 (MIT 879)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | This module is a compulsory requirement for admission of B Stream students to MIT 880 |
| **Language of tuition** | English |
| **Academic organisation** | School of Information Technolo |
| **Period of presentation** | Semester 2 |

**Module content**

Basic research methodology as preparation for the mini-dissertation for the B Stream students.

# Curriculum: Final year

**Minimum credits: 106**

## Core modules

### Mini-dissertation 840 (MIT 840)

| | |
|---|---|
| **Module credits** | 90.00 |
| **Prerequisites** | MIT 862 (for the A Stream students) |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Year |

**Module content**

The mini-dissertation is an individual report of independent research under the guidance of a supervisor for the A Stream students.

### Strategic ICT management 844 (MIT 844)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Semester 1 |

### IT financial management 864 (MIT 864)

| | |
|---|---|
| **Module credits** | 8.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 16 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Semester 1 |

### Computer science in perspective 874 (MIT 874)

| | |
|---|---|
| **Module credits** | 6.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 8 contact hours per semester |
| **Language of tuition** | English |

| | |
|---|---|
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 1 |

## ICT project management 877 (MIT 877)

| | |
|---|---|
| **Module credits** | 5.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 8 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Information Science |
| **Period of presentation** | Semester 1 |

## IT financial management 878 (MIT 878)

| | |
|---|---|
| **Module credits** | 6.00 |
| **Prerequisites** | No prerequisites. |
| **Contact time** | 8 contact hours per semester |
| **Language of tuition** | English |
| **Academic organisation** | Informatics |
| **Period of presentation** | Semester 1 |

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