MSc in Nuclear Medicine

Specific admission requirements

- One of the following qualifications of this or another recognised university:
    - the MBChB degree;
    - a bachelor's degree with Physiology as major subject and Physics I and Chemistry I;
    - a bachelor's degree with Chemistry or Biochemistry as major subject, provided that Physiology is supplemented to a standard deemed adequate by Senate should Physiology not be the second major subject;
    - a bachelor's degree in Biology, Physics, Chemistry or appropriate radiation sciences;
    - a bachelor's degree in Pharmacy; or
    - another qualification approved for such purposes by Senate.
- A minimum pass mark of 60% in the major subject.
- If you have a BTech qualification:
    - you will be considered for admission if you have passed the BTech degree with a minimum final mark of 60%; and
    - then you will be admitted if you pass a preliminary examination in the relevant field of study, as determined by the Postgraduate Programme Committee, with a minimum examination mark of 60%.

Application procedure and closing date

Apply online at www.maties.com by **30 September** of the previous year. Applications for prospective international students close on **31 August**.

Duration of programme

The programme extends over a minimum of two years.

Programme description

Three streams are available in this programme:

- Stream A – Research stream
    - A research project (100%) that leads to the writing of a thesis.
- Stream B – Coursework and research stream
    - Stream B comprises course work with an emphasis on nuclear medicine (120 credits) and a research project which includes an assignment (60 credits).
- Stream C – Coursework and research stream
    - Stream C comprises course work with an emphasis on radiobiological concepts (90 credits) and a research project leading to the writing of a thesis (90 credits).

The initial research proposal is approved by a departmental research committee, as well as by the Health Research Ethics Committee of the Faculty of Medicine and Health Sciences. Progress with experimental work is monitored continuously by the supervisor.

Programme content

Stream A – Research stream

Thesis: Nuclear Medicine	875(180)

Stream B – Coursework and research stream

First year

Compulsory modules

Clinical Nuclear Medicine	872(20)
Radiopharmacy (Basic)	871(20)
Radiation Physics and Instrumentation	871(20)

Second year

Elective modules

Choose two of the following modules.

Radiopharmacy (Advanced)	873(30)
Clinical Nuclear Medicine Diagnostic (Advanced)	874(30)
Clinical Nuclear Medicine Therapy (Advanced)	875(30)

First and second years

Compulsory module

Research Project	883(60)

Stream C – Coursework and research stream

First year

Compulsory module

Principles of Radiobiology	871(45)

Second year

Compulsory module

Clinical Radiobiology	872(45)

First and second years

Compulsory module

Thesis	873(90)

Assessment and examination

Stream A – Research stream

- The standard rules of the University for the assessment of master's theses are applicable.

Stream B and Stream C – Coursework and research streams

- For the coursework part of the coursework and research streams the following applies:
    - You must achieve a minimum pass mark of 50% in all the modules to obtain the degree.
- The standard rules of the University for the assessment of master's assignments/theses are applicable for the assignment/thesis part.

Enquiries

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