

## 5.3.2.22 MSc in Radiobiology

### 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](http://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

The programme consists of coursework and a research project. The coursework constitutes 50% of the programme and equips you with in-depth knowledge of radiobiological concepts. A research project which includes an assignment constitutes the other 50% of the programme.

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

### Programme content

#### *Compulsory modules*

#### **FIRST YEAR**

Principles of Radiobiology	871(45)
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#### **SECOND YEAR**

Clinical Radiobiology	872(45)
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#### **FIRST AND SECOND YEARS**

Research Project	873(90)
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### Assessment and examination

- You must pass all modules with at least 50% to obtain the degree.
- The standard assessment of coursework as for BScHons programmes is applicable for the coursework part.

- The standard rules of the University for the assessment of master's assignments are applicable for the research part.

## **Enquiries**

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## 5.3.2 Master of Science

### General admission and selection requirements for MSc programmes

- For admission to the MSc degree programmes, you must have an honours degree in Science of this University, or another honours degree approved for such purposes by Senate, or you must otherwise have attained a standard of competence deemed adequate for such purpose by Senate.
- 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. In instances where research is conducted on animals, the proposal is approved by the Committee for Experimental Animal Research of the Faculty.

## Programme description

Thesis MSc programmes entail an independent research project, resulting in a thesis that constitutes 100% of the final mark of the programme. The subject of the research project is selected to support the Faculty's research focus areas.

The following overarching objectives are set for the MSc programmes:

- to equip you with more advanced knowledge and a deeper insight into your chosen subject within the field of study;
- to promote mastery of the chosen topic, with the aid of higher levels of analysis of new information, and to develop the ability to handle complexities and to find solutions to such problems;
- to enable you to do advanced and independent research by means of rigorous training in research methods and to familiarise you with the skills needed for academic communication;
- to prepare you, if you are aspiring to higher levels of academic research work, for doctoral study and to foster an approach marked by academic integrity and ethics;
- to contribute to the pool of academics and professionals through the development of capabilities and critical intellectual skills aimed at ensuring the healthy continuance of the relevant discipline or profession; and
- to prepare you to utilise your skills to help solve the problems and challenges of the country that fall within the scope of your particular field.

## Disclaimer:

The content above comes from the 2024 Medicine and Health Sciences Yearbook. Make sure to consult the full **Medicine and Health Sciences Yearbook** to see this extract in context and to check if there have been any changes. Take special note of additional information in the yearbook under section *Postgraduate programmes*.