

MPhil in Cancer Science

Specific admission requirements

- One of the following qualifications at NQF level 8:
 - an MBChB or equivalent degree;
 - a four-year professional bachelor's degree in a health-related discipline;
 - a BSchHons degree of this or another recognised university; or
 - an equivalent qualification approved by Senate.
- If you are an international candidate, you must provide proof of the equivalence of qualifications that you obtained at non-South African institutions. This requires submission of a SAQA (South African Qualifications Authority) certificate.
- Mathematics at National Senior Certificate (NSC) level, computer literacy and fluency in written and spoken English. If you, as an international candidate, are from a non-English speaking country, you must submit official documentary evidence with your application of your competence in English. This may include, among other things:
 - the results of the IELTS test with a minimum IELTS score of 6,5;
 - the results of the TOEFL test with a minimum TOEFL score of 550 (paper based) or 213 (computer based), preferably with a TWE score of 4,5; and/or
 - proof and results of any English courses attended (eg. English for Medical Students/Englisch für Mediziner).

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**.

Candidates are selected on academic merit and all applications are reviewed by a selection committee. Only a limited number of students are admitted to the programme.

Duration of programme

The programme is presented on a full-time basis and extends over a minimum period of 18 months.

Programme description

The MPhil in Cancer Science is an interdisciplinary programme focused on providing an in-depth understanding of cancer from a molecular, environmental, public health and treatment perspective. It is aimed at students wanting to broaden their understanding of the complexities concerning cancer, and pursue cancer or cancer-related research with the aim of reducing its burden on humanity. The programme is intended to deliver theoretical and practical insights needed to address the increasing incidence of cancer and provide a pathway for postgraduate students who wish to pursue a cancer research career with a view to making an impact on the disease incidence and mortality. The hallmarks of cancer are extremely complex and given the depth of research that is required, this programme will mould a skill set designed to advance current knowledge about this disease and tackle key problem areas through research.

Modules are offered using face-to-face contact sessions (lectures, tutorials, and site visits where appropriate) and independent study. Most modules consist of 50% contact time and 50% independent study (unless otherwise specified).

Programme content

The programme consists of modules with a total of 120 credits and a research assignment of 60 credits. You must complete all modules.

First year

Biostatistics I	875(12)
Biostatistics II	875(12)
Cancer Epidemiology	873(12)
Infections and Cancer	875(12)
Introduction to Health Systems and Public Health	875(12)
Molecular Basis of Cancer and Tumour Physiology	871(12)
Nutrition and Cancer	872(12)
Principles of Cancer Therapy	881(12)
Qualitative Research Methods	875(12)
Research Proposal Writing and Grantsmanship	875(12)

Second year

Assignment (Cancer Science)	884(60)
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Assessment and examination

Modules

- Formative and summative assessment of modules (120 credits) will be conducted by means of written examinations, oral presentations, written assignments and participation in discussions. Formative assessments contribute 50% and summative assessments 50% to the module mark.
- You must obtain a subminimum of 45% for formative as well as summative assessments, and an overall pass mark of 50% for each module.
- If you achieve less than the subminimum of 45% for formative or summative assessment in a module, or less than the overall pass mark of 50%, you fail the module.
- If you fail a module more than once, you may be denied the right to reregister for the programme.
- You must participate successfully and integrate knowledge in projects, reports and assignments.
- Strict deadlines for assignments are enforced. If you submit an assignment after the due date and time, it will not be assessed. University guidelines relating to misconduct and dishonesty will apply.

Research assignment

- You must submit a satisfactory assignment demonstrating your ability to conduct an independent scientific investigation, interpret the results and draw conclusions from the results. The assignment is assessed according to the guidelines of the University.
- You must submit the completed research assignment in the prescribed format. The assignment will be assessed by internal as well as external examiners.
- You will be allowed to register for the research assignment for a maximum of three years. If you fail to complete the research assignment within this time, your performance will be officially reviewed by the Programme Committee of the Department of Global Health, and you may be denied the right to reregister for the programme.

Enquiries

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