

BScHons in Pathology

Specific admission requirements

- an MBChB or BChD degree or equivalent qualification considered as adequate by this University; or
- a bachelor's degree from a recognised university, with Anatomy, Physiology, Histology, Chemistry, Biology, Genetics or Microbiology as major at third-year level, or another qualification approved by Senate. If you have other major subjects at third-year level, you may be admitted on the basis of an adequate motivation and successful completion of an admission examination. Depending on the field of study, additional work and/or proof of competence may be required; or
- a BTech degree, on condition that you meet all the requirements as determined by the University. Depending on the field of study, additional work and/or proof of competence may be required.

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 one year.

Programme outcomes

On completion of this programme, you will demonstrate skills in:

- the identification and solving of problems;
- the efficient and responsible application of scientific methods and technology;
- the efficient collection, organisation, analysis, evaluation, integration and application of information;
- competent and efficient personal organisation and self-management;
- personal self-development, with an emphasis on insight, responsibility, accountability, continued learning, self-criticism, acceptance of criticism from others, and the ability to work independently;
- the ability to work as part of a team and to add value to the group as a whole by way of constructive cooperation;
- effective communication through the competent presentation of information;
- development of a holistic approach to problem solving within the context of respect and sensitivity towards other people, the community and the environment;
- imparting understanding of the importance of health sciences in general, and laboratory medicine in particular, to the community through the communication of information and results and the transfer of relevant technology; and
- awareness of the opportunities, challenges, needs, requirements and ethical principles that apply to research and good laboratory practice in the health sciences profession.

In addition, you must have:

- a sound knowledge of the theoretical principles applicable to the subject matter of the

compulsory and relevant choice module in pathology;

- the ability to work independently on assignments and research projects;
- the ability to critically evaluate and utilise information to solve problems effectively by means of appropriate methods with regard to the pathology discipline(s) concerned;
- the ability to apply technical skills and scientific methods, and to use relevant equipment to conduct research that adheres to the applicable legal, safety and bioethical requirements; and
- the ability to design a research project independently, to perform such a project within a group, to present the results and conclusions in an appropriate scientific format and to accept responsibility for them.

Programme content

Compulsory modules

Laboratory Practice	776(3)
Epidemiology and Research Methodology	775(10)
Introduction to Molecular Pathology	775(17)
Pathology Research Project	775(60)

Elective modules

Choose one of the following modules.

Anatomical Pathology	775(30)
Chemical Pathology	775(30)
Haematology	775(30)
Immunology	775(30)

Assessment and examination

- The final mark is determined by the weighted average of the marks for the components that are assessed.
- You obtain a subminimum of 50% for each of the following assessment components:
 - Compulsory modules
 - evaluation of practical skills
 - a log-book on the learning activities and skills mastered, including a summary of the laboratory log-book
 - a combination of class tests, assignments and reports where applicable
 - Pathology research project
 - successful completion of the research project
 - a written report and oral presentation on completion of the research project
 - Elective module
 - a three-hour written examination
- You need a final mark of 50% to obtain the degree and a mark of 75% or higher to pass the degree with a distinction.

Enquiries

Programme coordinator	Division	E-mail	Telephone
Prof JW Schneider	Anatomical Pathology	jws2@sun.ac.za	021 938 4041
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