

5.2.1.12 BScHons in Pathology

Specific admission requirements

One of the following qualifications:

- 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

Enquiries	Division	Email	Telephone
Dr M Sanderson	Anatomical Pathology	msanders@sun.ac.za	021 938 4041
Prof MJ Kotze	Chemical Pathology	maritha@sun.ac.za	021 938 4168 021 938 4107
Dr CC Swanepoel	Haematological Pathology	carmens@sun.ac.za	021 938 4103 021 938 4608

5.2 Honours degrees

5.2.1 Bachelor of Science Honours

Please note:

If you are applying for admission to one of the BScHons programmes of the Faculty of Medicine and Health Sciences, you must be aware that there is a possibility that a programme will not be offered if there are not enough qualifying candidates to fill it. In such cases, the University will directly communicate this decision with applicants in November of the year before study.

Programme description

The purpose of the programme is to equip you with the insight, practical skills and in-depth knowledge with regard to your chosen field of study. On completion of the programme, you must be able to function independently as a researcher and academic in the South African context.

The programme aims:

- to promote healthcare in the South African community;
- to facilitate and innovate health research;
- to facilitate critical and ethical reasoning;
- to promote evaluation management, communication and scientific knowledge;
- to prepare students for further study; and
- to promote lifelong study.

Admission of diplomates to BScHons studies

If you have a National Higher Diploma in Medical Technology, you may be considered for admission to the Bachelor of Science Honours degree if you:

- have obtained a relevant bachelor's degree or equivalent qualification at a recognised institution for tertiary education;

or

- in exceptional cases, meet the following minimum requirements:
 - you must hold the matriculation certificate or exemption certificate of the Matriculation Board;
 - you must provide proof of above-average academic results during your diploma programme; and
 - prior to admission, you must have been academically associated and/or professionally active for a minimum period of three years, during which you at least completed one research project successfully and published in a recognised journal.

You must have passed a preliminary examination:

- that was conducted according to the clearly defined criteria stipulated by the Faculty Board, in order to ensure an adequate scientific standard;
- that was designed to assess your theoretical background and scientific maturity; and
- that was conducted by the head of the department or division in which the intended postgraduate studies are envisaged, or by their delegate, together with at least one other expert in the relevant field of study who has been nominated by the Dean.

You will be considered on merit by the Committee for Postgraduate Education on the basis of a *curriculum vitae* and a written recommendation by the Preliminary Examination Committee.

Admission of candidates with a BTech to BScHons studies

If you have an appropriate Bachelor of Technology degree or equivalent qualification from a recognised institution for tertiary education, you may be considered for admission to the Bachelor of Science Honours

degree, provided that:

- departments/divisions may require supplementary work;
- you must provide proof of above-average academic performance during the degree programme; and
- you have passed a preliminary examination:
 - that was conducted according to clearly defined criteria stipulated by the Faculty Board in order to ensure an adequate scientific standard;
 - that was designed to assess your theoretical background and scientific maturity; and
 - that was conducted by the head of the department or division as convenor in which the intended postgraduate studies are envisaged, or by their delegate, together with at least one other expert in the relevant field of study who has been nominated by the Dean.

You will be considered on merit by the Committee for Postgraduate Education on the basis of a *curriculum vitae* and a written recommendation by the Preliminary Examination Committee.

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*.