

MSc in Clinical Epidemiology

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 University 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 (e.g. 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 part-time basis over a minimum period of two years.

Programme description

Clinical Epidemiology is the science of applying the best available research evidence to patient care. It uses the methods of epidemiology to find scientifically valid answers to questions concerning diagnosis, prevention, therapy, prognosis and aetiology, thus improving the evidence base for the care of individual patients.

The course offers rigorous methodological training for those with a background or experience in a health-related discipline who wish to pursue a career in clinical research or evidence-based practice. The programme would also be of interest to potential researchers who require robust training in research techniques, including advanced concepts and methods of epidemiology.

Programme content

The programme consists of modules with a total of 120 credits and a research assignment of 60 credits.

You must complete ten modules (eight compulsory modules with a total of 96 credits and two elective modules with a total of 24 credits). The choice of elective modules depends on meeting relevant prerequisites for the modules and avoiding timetable clashes with core modules. Elective modules

require a minimum number of 10 students. You must attend compulsory contact sessions and participate online in e-learning sessions.

Compulsory modules

First year

Fundamentals of Epidemiology*	875(12)
Biostatistics I*	875(12)
Research Proposal Writing and Grantsmanship**	875(12)
Systematic Reviews and Meta-analysis**	875(12)
Biostatistics II**	875(12)

*These first-semester modules are pre-requisite modules for the second-semester modules.

**These modules are offered in the second semester.

Second year

Diagnosis and Screening	875(12)
Randomised Controlled Trials	875(12)
Writing and Reviewing Scientific Papers	875(12)

Elective modules

Choose two of the following modules.

First or second year

Infectious Disease Epidemiology	875(12)
Economic Evaluation in Health Care	875(12)
Qualitative Research Methods for Health	875(12)

Second year

Introduction to Health Systems and Public Health	875(12)
Clinical Guidelines	875(12)
Teaching Evidence-based Health Care	875(12)
Survey Methods	875(12)
Monitoring and Evaluation	875(12)
Cancer Epidemiology	873(12)
Knowledge Translation	875(12)
Advanced Epidemiology	875(12)

Research assignment

Research Assignment	875(60)
---------------------	---------

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 and summative assessments will contribute 50% respectively to the module mark.
- An overall pass mark of 50% is required for each module with a subminimum of 45% for formative as well as summative assessment.
- If you fail any compulsory module more than once, you may be denied the right to reregister for the programme.
- You are required to participate successfully and to integrate knowledge in projects, reports and assignments.

Research assignment

- The completed research assignment must be submitted in the prescribed format and will be assessed by both internal and external examiners.

Enquiries

Programme leaders: Michael McCaul or Tonya Esterhuizen

Tel: 021 938 9157 E-mail: mmccaul@sun.ac.za or tonyae@sun.ac.za

Programme administrator Anthea Henry

Tel: 021 938 9157 E-mail: ahenry@sun.ac.za

Website: <http://www.sun.ac.za/english/faculty/healthsciences/epidemiology-biostatistics/masters/msc-clinical-epidemiology>