



UNIVERSITEIT
STELLENBOSCH
UNIVERSITY

Department of Forest and Wood Science

Academic Programmes for 2017

Masters Programme

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Postgraduate Programmes

Postgraduate programmes in Forestry and Wood Sciences may be taken after completion of the bachelor's programme. Students can, depending on their existing qualifications, enter a suitable postgraduate programme in one of their majors to obtain one of the following qualifications: Postgraduate Diploma in Forestry and Wood Sciences (PgDipFor), Master of Science in Forestry and Wood Sciences (MScFor), Doctor of Philosophy in Forestry and Wood Sciences [PhD (For)] or Doctor of Science in Forestry and Wood Sciences (DScFor) in the fields of Forestry and Natural Resource Sciences or Wood and Wood Products Sciences.

Master's Programme in Forestry and Wood Sciences (MScFor)

Forestry and Natural Resource Sciences or Wood and Wood Products Sciences

The master's programme in Forestry and Wood Sciences leads to the qualifications MScFor in Forestry and Natural Resource Sciences **or** Wood and Wood Products Sciences. The programme consists of a one-year MScFor degree after the four-year BScFor degree.

Specific Admission Requirements

- The four year BScFor degree, the postgraduate diploma in Forestry and Wood Sciences, an applicable honours degree, as well as other qualifications that Senate has approved for this purpose.
- A minimum final mark of 60% in all modules or in the major module that is applicable to the postgraduate field of study. The Department can decide to deviate from this requirement.

The MScFor can be awarded to you if you –

- have an applicable bachelor's degree of this University or a bachelor's degree approved for this purpose by Senate, and on written application have been admitted by Senate to the particular programme with a minimum study period of one year, or hold an applicable honours degree of this University or a similar honours degree approved for this purpose by Senate, and on written application have been admitted by Senate to the particular programme with a minimum study period of one year;
- have followed an approved curriculum of advanced study and/or research, which may include a period of study or research at some other place recognised by Senate;
- have passed the prescribed examination(s);
- have submitted a complete and well-written thesis or assignment which shows that you have performed independent scientific and technical investigations and interpreted the results satisfactorily; included a statement in the thesis or assignment that the thesis or assignment has not been submitted to another university in order to obtain a degree and that it is your own work; and

- Have satisfactorily taken an oral examination. In certain instances, supplementary study may be required of you.
- You must also satisfy all other regulations regarding theses or assignments for master's degrees. See Higher Degrees in Part 1 (General) of the University's Calendar.

Programme Description

Duration of Programme

This programme extends over one year after the four year BScFor degree.

Compulsory Modules

Students must choose between Forest Science 878 and Wood Product Science 878 (180 credits)

Assessment and Examination

After completion of the research, you must submit a thesis to the satisfaction of the examiners and present a seminar. You will be expected to defend your thesis during this seminar.

The master's programme consists of a 100% research component (180 credits) but you could, in consultation with your supervisor, be requested to follow additional modules, including Biometry 881 (Postgraduate Biometry).

881 (8) Postgraduate biometry

Data processing with SAS Enterprise Guide (or alternatively: R). Simple descriptive statistics; t-tests for single populations, combined t-tests and paired t-tests for two populations; analysis of variance: completely random design, random blocks design, Latin square design, cross-classification designs; repeated-measures analysis of variance; multiple comparison procedures; non-parametric tests: Mann-Whitney, Wilcoxon, Kruskal-Wallis and Friedman; linear regression and correlation; polynomial regression, multiple regression; selection of independent variables with stepwise regression and all-subset regression; analysis of covariance analysis; categorical data analyses (Chi-squared tests); logistic regression. This module is presented in two blocks of five half days each

Method of assessment: Flexible assessment.

Prerequisite modules:

- *Biometry 212 and 242 or 211*
- *Students with different undergraduate Statistics modules must obtain at least 50% for an admission examination.*

Home department: Genetics

Enquiries

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Application process:

To apply please identify a study leader and finalise the research project and first proposal.

Then apply online at:

- <http://www0.sun.ac.za/pgstudies/>

For more information on the programs offered at the Department of Forest and Wood Science, please visit the following links:

- Calendar 2017:
<http://www.sun.ac.za/english/Documents/Yearbooks/Current/AgriSciences.pdf>
 - Website of department: <http://www.sun.ac.za/forestry>
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