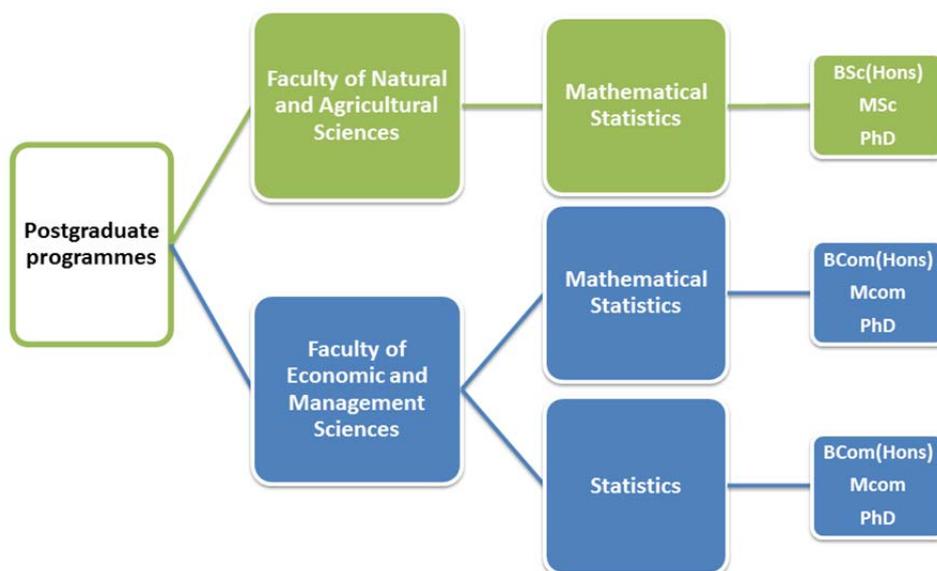


Academic offering: Postgraduate

The below summarises the postgraduate programmes in the Department of Statistics. The department's modules fall into two faculties within the streams indicated in the figure below.



The details of the programmes, admission criteria, composition of programmes and module content for honours, masters and doctoral programmes are given in the detailed postgraduate brochure.

In summary, at honours level the following modules are offered:

Distribution-free methods	VMT720
Econometrics (offered by Economics Department)	MIE780; MEK780
Introduction to statistical learning	EKT720
Linear models	LMO710; LMO720
Multivariate analysis	MVA710; MVA720
Regression analysis	RAL780
Research report	STK795; WST795
Sampling techniques	SFT720
Statistical process control	SPC780
Stochastic processes	PNP720
Time series	TRA720

At masters level the following modules are offered:

Cyber Analytics	STK8XX
Data analytics and visualisation	TRG880
Statistical learning	MVA880
Capita selecta: Statistics	STK880
Analysis of time series	TRA880
Dissertation	STK895; WST895

At doctoral level the degree is a full research thesis.

All postgraduate levels include a compulsory research component. In order to prepare an honours student for this, a compulsory boot camp is held just before classes begin at the start of the academic year. The module involves the basics of research design, implementation and literature acquisition, a revision of SAS learnt at undergraduate level, the basics of R and the implementation of writing research in a scientific document editor, namely LyX (Latex editor). Masters and doctoral students are also required to complete this boot camp if they have not previously done so. The details of the boot camp as well as the structure of the honours research component are given in the postgraduate brochure. The research component of the honours programme is monitored regularly in order to ensure the progress of all students as well as consistency between topics and supervisors

The below figure displays the postgraduate modules offered in these programmes.

