

# BScHons in Genetics

## *Programme Code*

13285 – 778 (120)

## *Specific Admission Requirements*

- A BSc degree with Genetics 214, 244 plus 314, 324, 344 and 354 or equivalent modules at other universities.
- An average mark of at least 65% in Genetics in the final year.

## *Closing Date for Applications*

Apply in writing to the Registrar by the end of October of the previous year for admission to this programme. The number of students admitted to this programme annually will be determined by available research laboratory space.

## *Duration of Programme*

The duration of the programme is one academic year and begins at the start of the general academic year.

## *Programme Content*

The programme consists of the six modules listed below. Subject to departmental approval, you may substitute two of the 8-credit theory modules with equivalent 8-credit modules from the BScHons in Plant Biotechnology. You must also complete a research assignment and present the results in the form of a research publication. The Department places strong emphasis on acquiring laboratory skills. As an honours student you are expected to attend departmental seminars and to act as an undergraduate demonstrator.

## *Compulsory Modules*

10481 : Genetics: Molecular Techniques	711(16): Genetics: Molecular Techniques
10478 : Genetic Data Analysis	713(8): Genetic Data Analysis
12555 : Biometrical Applications and Data Analysis in R	721(8): Biometrical Applications and Data Analysis in R
13594 : Genomics	716(8): Genomics
13538 : Scientific and Proposal Writing	721(8): Scientific and Proposal Writing
18007 : Project	741(64): Honours Project in Genetics

**plus**

## *Elective Modules*

Choose one of the following modules.

13596 : Human and Animal Genetics	712(8): Human and Animal Genetics
13537 : Plant Genetics and Crop Improvement	722(8): Plant Genetics and Crop Improvement

### ***Assessment and Examination***

The programme is assessed by means of flexible assessment. To complete the honours programme successfully, you must complete the compulsory molecular techniques module, all prescribed theory modules and a research project successfully.