

### **13.1.9 MASTER OF SCIENCE (BIOTECHNOLOGY)**

#### **Entry Requirements**

- i) The general regulation for all Masters Degree in the School of Pure and Applied Sciences shall apply.
- ii) Those eligible for admission in the Masters Degree programme will have a Bachelor of Science in Biochemistry / Biotechnology or related discipline with at least Second Class Honours (Upper Division) or equivalent from a recognized University.
- iii) Those with Second Class (Lower Division) may be considered on condition that they have Grade "C" and above in units relevant to their areas of specialization.

#### **Programme of study and degree pattern**

The Master of Science (Biotechnology) shall be either by course work, examination, and thesis, or in exceptional cases by research thesis alone.

The Master of Science (Biotechnology) is a full-time programme extending over a period of at least eighteen months. In the first year of study, students will take ten units of which five will be core and five will be electives. Each student will be required to complete satisfactorily the first year of study before proceeding to the second year

#### **Examinations**

The university regulations shall apply. The continuous assessment tests shall constitute 30% while the end of semester examination shall constitute 70 % of the final mark. The pass mark shall be 50%

#### **Certification**

Graduates of this programme will be awarded a Master of Science degree in Biotechnology, M.Sc. (Biotechnology).

#### **Unit Codes and Titles**

SCU800: Research Methodology for Pure and Applied Sciences

SCU 801: Scientific Data Analysis

SBC 801: Protein and Enzyme Technology

SBC 830: Genetic Engineering

SBC 831: Immuno-technology

SBC 832: Molecular Population Genetics

SBC 833: Microbial Genetics

SBC 834: Industrial Biotechnology

SBC 835: Plant cell and Tissue Culture

SBC 836: Food Biochemistry

SBC 844: Biosafety and Intellectual Property Rights SBC

845: Environmental Microbial Biotechnology SBC 846:

Bioinformatics

SBC 847: Medical Biotechnology SBC

848: Molecular Breeding SBC 810:

Thesis