



## **BSc BIOLOGY WITH EDUCATION (63 Advanced Credits)**

### **Programme Outline**

The **BSc Biology with Education** is offered in conjunction with the **Faculty of Humanities and Education**. The biology courses are presented below, however students should consult the Faculty of Humanities and Education regarding the selection of Education Courses.

**Part 1:** A minimum of 24 credits from Level 1, 18 of which must be FST courses and must include:

BIOL1017	Cell Biology
BIOL1018	Molecular Biology and Genetics
BIOL1262	Living Organisms I
BIOL1263	Living Organisms II

In addition, the FST Level I courses MICR1010 & BIOC1020 (3 credits), one in each semester, are highly recommended.

A total of **63** credits from **Part II** which must include:

BIOL2164	Principles of Molecular Biology
BIOL2401	Research Skills and Practices in Biology
BIOL2402	Fundamentals of Biometry
BIOL2403	Principles of Ecology
BIOL2406	Eukaryotic Microbiology
BIOL2407	Biological Evolution
BOTN2401	Plant Form and Systematics
BOTN2402	Physiology of Plants
ZOOL2403	Maintenance Systems in Animals
ZOOL2404	Coordination and Control in Animals

**Please consult the Faculty of Humanities and Education regarding the selection of Education Courses.**

## **BSc IN ENVIRONMENTAL BIOLOGY (60 Advanced Credits)**

### **Programme Outline**

The **BSc in Environmental Biology** cannot be taken with any other major or minor because of the number of credits required which are as follows:

#### **Level 1**

A minimum of 24 credits from Level I, 18 of which must be FST courses and must include:

BIOL1017	Cell Biology
BIOL1018	Molecular Biology and Genetics
BIOL1262	Living Organisms I
BIOL1263	Living Organisms II

A total of sixty (**60**) credits from **Advanced courses** which must include:

#### **Level 2 (30 credits)**

BIOL2164	Principles of Molecular Biology
BIOL2401	Research Skills and Practices in Biology
BIOL2402	Fundamentals of Biometry
BIOL2403	Principles of Ecology
BIOL2406	Eukaryotic Microbiology
BIOL2407	Biological Evolution
BOTN2401	Plant Form and Systematics
BOTN2402	Physiology of Plants
ZOOL2403	Maintenance Systems in Animals
ZOOL2404	Coordination and Control in Animals

#### **Level 3:**

##### **Twelve (12) core credits**

BIOL3400	Issues in Conservation Biology
BIOL3406	Freshwater Biology
BIOL3408	Coastal Ecosystems
BOTN3405	Plant Ecophysiology

##### **And at least eighteen (18) credits from:**

BIOL2408	Diving for Scientists
BIOL3402	Biology of Fungi **
BIOL3403	The Biology of Soil
BIOL3407	Oceanography
BIOL3409	Caribbean Coral Reefs
BIOL3410	Water Pollution Biology
BOTN3406	Tropical Forest Ecology
ZOOL3403	Entomology
ZOOL3405	Vertebrate Biology
ZOOL3407	Human Biology **
ZOOL3408	Sustainable Use of Marine Fishable Resources **
ZOOL3409	Aquaculture **

##### **Either**

BIOL3412	Internship
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##### **OR**

BIOL3413	Biology Project
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## **BSc IN EXPERIMENTAL BIOLOGY (60 Advanced Credits)**

### **Programme Outline**

The **BSc in Experimental Biology** cannot be taken with any other major or minor because of the number of credits required.

#### **Level 1**

A minimum of 24 credits from Level I, 18 of which must be FST courses, and must include:

BIOL1017	Cell Biology
BIOL1018	Molecular Biology and Genetics
BIOL1262	Living Organisms I
BIOL1263	Living Organisms II

A total of sixty (**60**) **Advanced** credits which must include:

#### **Level 2 (30 credits)**

BIOL2164	Principles of Molecular Biology
BIOL2401	Research Skills and Practices in Biology
BIOL2402	Fundamentals of Biometry
BIOL2403	Principles of Ecology
BIOL2406	Eukaryotic Microbiology
BIOL2407	Biological Evolution
BOTN2401	Plant Form and Systematics
BOTN2402	Physiology of Plants
ZOOL2403	Maintenance Systems in Animals
ZOOL2404	Coordination and Control in Animals

#### **Level 3: At least 30 credits from final year courses**

Taken from the three (3) groups of courses below with a minimum of 3 credits from each group.

##### **GROUP A**

BIOL3402	Biology of Fungi**
BIOL3403	The Biology of Soil
BIOL3404	Virology
BIOL3405	Pest Ecology and Management
BIOL3407	Oceanography
BIOL3410	Water Pollution Biology

##### **GROUP B**

BOTN3401	Principles of Plant Biotechnology
BOTN3402	Introduction to Plant Breeding **
BOTN3403	Fundamentals of Horticulture
BOTN3404	Economic Botany
BOTN3405	Plant Ecophysiology
BOTN3407	Post-Harvest Technology

##### **GROUP C**

ZOOL3403	Entomology
ZOOL3404	Parasitology
ZOOL3405	Vertebrate Biology
ZOOL3406	Immunology
ZOOL3407	Human Biology **
ZOOL3408	Sustainable Use of Marine Fishable Resources

##### **PLUS**

BIOL3412	Internship
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##### **OR**

BIOL3413	Biology Project
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\*\*Not offered this academic year