# DEPARTMENT OF LIFE SCIENCES, UWI, MONA
## 2016-2017 UNDERGRADUATE COURSES

### PART I

**PRELIMINARY LEVEL** (6 credit courses)
- BIOL0011 Preliminary Biology I
- BIOL0012 Preliminary Biology II

**LEVEL 1**
- BIOL1017 Cell Biology
- BIOL1018 Molecular Biology and Genetics
- BIOL1262 Living Organisms I
- BIOL1263 Living Organisms II

### PART II

**LEVEL 2**
- AGSL2401 Management of Soils (not offered 2017/2018)
- BIOL2401 Research Skills and Practices in Biology
- BIOL2402 Fundamentals of Biometry
- BIOL2403 Principles of Ecology
- BIOL2404 Molecular and Population Genetics
- BIOL2406 Eukaryotic Microbiology
- BIOL2407 Biological Evolution
- BIOL2408 Diving for Scientists (Summer)
- BOTN2401 Plant Form and Systematics
- BOTN2402 Physiology of Plants
- ZOOL2402 Animal Physiology
- ZOOL2403 Maintenance Systems in Animals
- ZOOL2404 Coordination and Control in Animals

**LEVEL 3**
- AGBU3008 Internship (4 credits, Summer)
- AGBU3012 Project (4 credits)
- AGCP3406 Fruit Crop Production (not offered 2017/2018)
- AGCP3407 Postharvest Technologies
- AGSL3001 Irrigation and Drainage Technology (not offered 2017/2018)
- BIOL3400 Issues in Conservation Biology
- BIOL3403 The Biology of Soil
- BIOL3404 Virology
- BIOL3405 Pest Ecology and Management
- BIOL3406 Freshwater Biology
- BIOL3407 Oceanography
- BIOL3408 Coastal Ecosystems
- BIOL3409 Caribbean Coral Reefs
- BIOL3410 Water Pollution Biology
- BIOL3411 Research Project (6 credits, 2 Semesters)
- BIOL3412 Internship
- BIOL3413 Biology Project
- BOTN3401 Principles of Plant Biotechnology
- BOTN3402 Introduction to Plant Breeding (not offered 2017/2018)
- BOTN3403 Fundamentals of Horticulture
- BOTN3404 Economic Botany
- BOTN3405 Plant Ecophysiology
- BOTN3406 Tropical Forest Ecology
- ZOOL3403 Entomology
- ZOOL3404 Parasitology
- ZOOL3405 Vertebrate Biology
- ZOOL3406 Immunology
- ZOOL3407 Human Biology
- ZOOL3408 Sustainable Use of Marine Fishable Resources
- ZOOL3409 Aquaculture
- ZOOL3410 Advanced Topics in Animal Science

### REQUIREMENTS FOR THE AWARD OF A DEGREE

In all cases a degree is granted for successful completion of courses such that the student has obtained, at minimum, the following:

- **Level 1 Compulsory**: 24 credits
- **Levels 2 and 3**: 60 credits
- **Foundation courses**: 9 credits
- **Total**: 93 credits

Taken from Faculty of Science and Technology (FST) Regulations and Syllabuses.

### FOR MORE INFORMATION, CONTACT:

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**THE UNIVERSITY OF THE WEST INDIES**
**MONA CAMPUS**

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**DEPARTMENT OF LIFE SCIENCES**

**2017-2018**

**BSc Programmes**

- **Biology with Education**
- **Environmental Biology**
- **Experimental Biology**
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:

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:

Level 2 (30 credits)
- BIOL2401 Research Skills and Practices in Biology
- BIOL2402 Fundamentals of Biometry
- BIOL2403 Principles of Ecology
- BIOL2404 Molecular and Population Genetics
- 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 (33 credits from below)
- BIOL3400 Issues in Conservation Biology
- BIOL3406 Freshwater Biology
- BIOL3407 Oceanography
- BIOL3408 Coastal Ecosystems
- BIOL3409 Caribbean Coral Reefs
- BOTN3405 Plant Ecophysiology
- ZOOL3408 Sustainable Use of Marine Fishable Resources

EITHER
- BOTN3406 Tropical Forest Ecology
- ZOOL3403 Entomology

OR

Plus one (1) other advanced course, and either
- BIOL3412 Internship
- BIOL3413 Biology Project

**Not offered this academic year**