

## DOUBLE MAJOR IN Zoology and Botany

### CORE

BL12C/BIOL1016 Cell, Molecular Biology & Genetics (6 credits)

**OR** BIOL1017 Cell Biology (3 credit)  
BIOL1018 Molecular Biology & Genetics (3 credits)

BL12B/BIOL1261 Diversity of Organisms (6 credits)

**OR** BIOL1262 Living Organisms I (3 credits)  
BIOL1263 Living Organisms II (3 credits)

BL20J/BIOL2011 General & Molecular Genetics (4 credits)

BL20K/BIOL2012 Evolution Biology (4 credits)

BL20N/BIOL2014 Ecology (4 credits)

BL20P/BIOL2015 Biometry (4 credits)

BT21B/BOTN2011 Seed Plants (4 credits)

BT22A/BOTN2012 Plant Physiology (4 credits)

Z 20G/ZOOL2012 Functional Organization of Animals I (4 credits)

Z 20H/ZOOL2013 Functional Organization of Animals II (4 credits)

(32 level 2 credits)

### ELECTIVES:

32 credits from Level 3 with no more than 16 credits from either the Environmental Biology or Experimental Biology Double Major syllabuses (q.v.).

## REQUIREMENTS FOR THE AWARD OF A BSc DEGREE

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

Level 1 Compulsory	24 credits
Level 2 and Level 3	60 credits
Level 1-3 (Additional)	8 credits
Foundation courses	9 credits

Total 101

## SINGLE and DOUBLE MAJORS

A single major may be obtained by securing 32 credits in Level 2 and Level 3 courses from a single subject area e.g. Botany or Zoology.

**N.B. A Double Major requires a total of 64 credits from Level 2 and Level 3.**

(Taken from Faculty of Pure and Applied Sciences Regulations and Syllabuses.)

**Summer courses also accepted for credit:**

**CM20A Tropical Marine Invertebrate Zoology (4)**

**BL20L Diving Technology for Aquatic Sciences (4)**

**Not all courses are available every year, and certain combinations of courses are limited by timetable constraints.**



THE UNIVERSITY OF  
THE WEST INDIES  
MONA

DEPARTMENT OF LIFE SCIENCES  
2010-2011

**MAJORS IN**  
**BOTANY; ZOOLOGY;**  
**MARINE BIOLOGY**  
**&**  
**A DOUBLE MAJOR IN**  
**BOTANY & ZOOLOGY**

DEPARTMENT OF LIFE SCIENCES UWI, MONA

**MAJOR IN ZOOLOGY**

---

**CORE**

BL12C/BIO1016 Cells, Molecular Biology and Genetics (6 credits)

**OR** BIOL1017 Cell Biology (3 credits)  
BIOL1018 Molecular Biology & Genetics (3 credits)

BL12B/BIO1261 Diversity of Organisms (6 credits)  
**OR** BIOL1262 Living Organisms I (3 credits)  
BIOL1263 Living Organisms II (3 credits)

BL20K/BIO2012 Evolutionary Biology (4 credits)  
BL20N/BIO2014 Ecology (4 credits)  
Z20G/ZOOL2012 Functional Organization of Animals I (4 credits)  
Z20H/ZOOL2013 Functional Organization of Animals II (4 credits)

**ELECTIVES:**  
8 credits from Advanced Level 'Z' courses **plus** 8 credits from Advanced Level 'Z' or 'BL' courses.

**MAJOR IN BOTANY**

---

**CORE**

BL12C/BIO1016 Cells, Molecular Biology and Genetics (6 credits)  
**OR** BIOL1017 Cell Biology (3 credits)  
BIOL1018 Molecular Biology & Genetics (3 credits)

BL12B/BIO1261 Diversity of Organisms (6 credits)  
**OR** Living Organisms I (3 credits)  
Living Organisms II (3 credits)  
BL20J General and Molecular Genetics (4 credits)  
BL20N/BIO2014 Ecology (4 credits)  
BT21B/BOTN2011 Seed Plants (4 credits)  
BT22A/BOTN2012 Plant Physiology (4 credits)

**ELECTIVES:**  
8 credits from Advanced Level 'BT' courses **plus** 8 credits from Advanced Level 'BT' or 'BL' courses.

**2010-2011  
UNDERGRADUATE COURSES  
PART I**

**PRELIMINARY LEVEL** (6 credits)  
BL05A/BIO0011 Preliminary Biology I  
BL05B/BIO0012 Preliminary Biology II

**LEVEL 1**  
BL12C/BIO1016 Cell Molecular Biology & Genetics (6 credits)  
**OR** BIOL1017 Cell Biology (3 credits)  
BIOL1018 Molecular Biology & Genetics (3 credits)

BL12B/BIO1261 Diversity of Organisms (6 credits)  
**OR** BIOL1262 Living Organisms I (3 credits)  
BIOL1263 Living Organisms II (3 credits)

**PART II**

**LEVEL 2** (4 credits)  
BL20J/BIO2011 General and Molecular Genetics  
BL20K/BIO2012 Evolutionary Biology  
BL20N/BIO2014 Ecology  
BL20P/BIO2015 Biometry  
BT21B/BOTN2011 Seed Plants  
BT22A/BOTN2012 Plant Physiology  
Z 20G/ZOOL2012 Functional Organization of Animals I  
Z 20H/ZOOL2013 Functional Organization of Animals II  
BL23D/MICR2252 Eukaryotic microorganisms

**LEVEL 3** (4 credits)  
BL30M/BIO3011 Mycology  
\*BL30K/BIO3012 Soil Biology  
BL31A/BIO3013 Coastal Management  
BL31E/BIO3014 Marine Ecology I: Biological Oceanography

BL31F/BIO3015 Marine Ecology II: Benthic Communities  
BL31G/BIO3023 Coral Reef Biology  
BL33D/BIO3021 Freshwater Ecology  
BL38A/BOTN3017 Virology  
BL39C/BIO3018 Research Project  
\*BL39D/BIO3019 Caribbean Biodiversity  
BL39E/BIO3020 Conservation Biology  
\*BT31A Phycology  
BT33A/BOTN3014 Forest Ecology, Agroforestry and Sustainable Development  
BT33B/BOTN3018 Medicinal and Economic Botany  
BT34A/BOTN3015 Principles of Plant Breeding  
BT37Q/BIO3016 Plant Health  
BT38B/BOTN3016 Plant Biotechnology  
BT 38K/BOTN3017 Principles of Horticulture  
\*Z 30A/ZOOL3011 Sensory & Neuromuscular Physiology  
\*Z 30B/ZOOL3012 Metabolic Physiology  
Z 30G/ZOOL3015 General Parasitology  
Z 30M/ZOOL3017 Immunology  
\*Z 31B/ZOOL3024 Fisheries  
\*Z 31C/ZOOL3018 Fish Biology  
Z 31F//ZOOL3019 Fisheries & Aquatic Technologies  
Z 32C/ZOOL3020 Insect Biology and Systematics  
Z 32G/ZOOL3021 Pest Management  
\* Not offered in 2010/2011 academic year

**MAJOR IN MARINE BIOLOGY**

---

A minimum of 24 credits from Part I which must include these 12 credits:

BL12C/BIO1016 Cells, Molecular Biology and Genetics  
**OR** BIOL1017 Cell Biology  
BIOL1018 Molecular Biology & Genetics

BL12B/BIO1261 Diversity of Organisms  
**OR** BIOL1262 Living Organisms I  
BIOL1263 Living Organisms II

A minimum of 60 credits from Part II which must include these 32 credits:

BL20N/BIO2014 Ecology,  
BL20P/BIO2015 Biometry,  
Z 20G/ZOOL2012 Functional Organization of Animals I  
Z 20H/ZOOL2013 Functional Organization of Animals II

BL31E/BIO3014 Marine Ecology I: Biological Oceanography.  
BL31F/BIO3015 Marine Ecology II: Benthic Communities.  
BL31G/BIO3023 Coral Reef Biology and  
BL31A/BIO3012 Coastal Management.

**MINOR IN ZOOLOGY**

---

Core as listed in the Zoology major.

**MINOR IN BOTANY**

---

Core as listed in the Botany major.