

## REQUIREMENTS FOR THE AWARD OF A DEGREE

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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
Level 2 and Level 3	60 credits
Level 1-3 (Additional)	8 credits
Foundation courses	9 credits
Total	101

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

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### SINGLE AND DOUBLE MAJORS

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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, Chemistry or Zoology.

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



## THE UNIVERSITY OF THE WEST INDIES MONA

DEPARTMENT OF LIFE SCIENCES

2010-2011

**BSc (GENERAL)**

**WITH**

**DOUBLE MAJORS IN**

**ENVIRONMENTAL**  
**BIOLOGY**

**EXPERIMENTAL**  
**BIOLOGY**

# DOUBLE MAJOR IN ENVIRONMENTAL BIOLOGY

## CORE

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

**OR** BIOL1017 Cell Biology (3 credits)  
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)

BL20N/BIOL2014 Ecology (4 credits)

BL20K/BIOL2012 Evolutionary Biology (4 credits)

BL20J/BIOL2011 General & Molecular Genetics (4 credits)

BL20P/BIOL2015 Biometry (4 credits)

BT22A/BOTN2012 Plant Physiology (4 credits)

BT21B/BOTN2011 Seed Plants (4 credits)

Z20G/ZOOL2012 Functional Organization of Animals I (4 credits)

Z20H/ZOOL2013 Functional Organization of Animals II (4 credits)

**(32 Level 2 credits)**

**ELECTIVES:** 32 credits from courses listed below:

Z 32CZOO3020 Insect Biology & Systematics (4 credits)

BL39E/BIOL3020 Conservation Biology (4 credits)

\*BL39D/BIOL3019 Caribbean Biodiversity (4 credits)

BT33A/BOTN3014 Forestry, Agroforestry & Sustainable Development (4 credits)

\*Z 31B/ZOOL3024 Fisheries (4 credits)

\*Z 31C/ZOOL3018 Fish Biology (4 credits)

Z31F/ZOOL3019 Fisheries & Aquaculture Technology (4 credits)

BL33D/BIOL3021 Freshwater Ecology (4 credits)

\*BT31A Phycology (4 credits)

\*BT31D Biology of Freshwater Plants (4 credits)

BL31E/BIOL3014 Marine Ecology I: Biological Oceanography (4 credits)

BL31F/BIOL3015 Marine Ecology II: Benthic Communities (4 credits)

BL31G/BIOL3023 Coral Reef Biology (4 credits)

BL31A/BIOL3013 Coastal Management (4 credits)

\*BL30K Soil Biology (4 credits)

BT37Q/BIOL3016 Plant Health (4 credits)

BL39C/BIOL3018 Research Project (4 credits)

#BC21M Microbiology (4 credits)

#BC31M Applied & Environmental Microbiology (4 credits)

^GL32A Caribbean Geology (4 credits)

^GL39J Marine Geology (4 credits)

CM20A Tropical Marine Invertebrate Zoology (4 credits)

BL20L Diving Technology for Aquatic Scientists (4 credits)

# taught by Biochemistry Section, Department of Basic

\* Not offered in 2010/2011 academic year

# DEPARTMENT OF LIFE SCIENCES UWL, MONA

## 2010-2011 UNDERGRADUATE COURSES

### PART I

**PRELIMINARY LEVEL** (6 credits)

BL05A/BIOL0011 Preliminary Biology I

BL05B/BIOL0012 Preliminary Biology II

### LEVEL 1

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)

### PART II

**LEVEL 2** (4 credits)

BL20J/BIOL2011 General and Molecular Genetics

BL20K/BIOL2012 Evolutionary Biology

BL20N/BIOL2014 Ecology

BL20P/BIOL2015 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/BIOL3011 Mycology

\*BL30K/BIOL3012 Soil Biology

BL31A/BIOL3013 Coastal Management

BL31E/BIOL3014 Marine Ecology I: Biological Oceanography

BL31F/BIOL3015 Marine Ecology II: Benthic Communities

BL31G/BIOL3023 Coral Reef Biology

BL33D/BIOL3021 Freshwater Ecology

BL38A/BOTN3017 Virology

BL39C/BIOL3018 Research Project

\*BL39D/BIOL3019 Caribbean Biodiversity

BL39E/BIOL3020 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/BIOL3016 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

Z32G/ZOOL3021 Pest Management

\* Not offered in 2010/11 academic year

# DOUBLE MAJOR IN EXPERIMENTAL BIOLOGY

## 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)

BL20N/BIOL2014 Ecology (4 credits)

BL20K/BIOL2012 Evolutionary Biology (4 credits)

BL20J/BIOL2011 General & Molecular Genetics (4 credits)

BL20P/BIOL2015 Biometry (4 credits)

BT22A/BOTN2012 Plant Physiology (4 credits)

BT21B/BOTN2011 Seed Plants (4 credits)

Z20G/ ZOOL2012 Functional Organization of Animals I (4 credits)

Z20H/ZOOL2013 Functional Organization of Animals II (4 credits)

**(32 level 2 credits)**

**ELECTIVES:** 32 credits from courses listed below:

#BC21M Microbiology (4 credits)

BL38A/BOTN3017 Virology (4 credits)

Z32C/ZOOL3020 Insect Biology & Systematics (4 credits)

\*BL30M Mycology (4 credits)

BT37Q/BIOL3016 Plant Health (4 credits)

Z32G/ZOOL3021 Pest Management (4 credits)

Z30G/ZOOL3015 General Parasitology (4 credits)

\*Z 31C/ZOOL3018 Fish Biology (4 credits)

Z30M/ZOOL3017 Immunology (4 credits)

Z30B/ZOOL3012 Metabolic Physiology (4 credits)

\*Z 30A/ZOOL3011 Sensory & Neuromuscular Physiology (4 credits)

\*BL30K/BIOL3012 Soil Biology (4 credits)

BT38B/BIOL3016 Plant Biotechnology (4 credits)

\*BT34A/BOTN3015 Principles of Plant Breeding (4 credits)

BT38K/BOTN3017 Principles of Horticulture (4 credits)

BT33BBOTN3018 Medicinal & Economic Botany (4 credits)

BL39C/BIOL3018 Research Project

CM20A Tropical Marine Invertebrate Zoology (4 credits)

BL20L/BIOL2013 Diving Technology for Aquatic Scientists (4 credits)

# taught by Biochemistry Section, Department of Basic Medical Sciences (additional pre-requisites C10J & C10K)

\* Not offered in 2010/11 academic year