

## 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
<b>Total</b>	<b>101</b>

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  
2009-2010

**BSc (GENERAL)  
WITH  
DOUBLE MAJORS IN**

**ENVIRONMENTAL  
BIOLOGY**

**EXPERIMENTAL  
BIOLOGY**

# DOUBLE MAJOR IN ENVIRONMENTAL BIOLOGY

## CORE

BL12C	Cell, Molecular Biology & Genetics (6 credits)	
BL12B	Diversity of Organisms (6 credits)	
BL20N	Ecology (4 credits)	
BL20K	Evolutionary Biology (4 credits)	
BL20J	General & Molecular Genetics (4 credits)	
BL20P	Biometry (4 credits)	
BT22A	Plant Physiology (4 credits)	
BT21B	Seed Plants (4 credits)	
Z20G	Functional Organization of Animals I (4 credits)	
Z20H	Functional Organization of Animals II (4 credits)	
	<b>(32 Level 2 credits)</b>	

## ELECTIVES: 32 credits from courses listed below:

Z 32C	Insect Biology & Systematics (4 credits)
BL39E	Conservation Biology (4 credits)
BL39D	Caribbean Biodiversity (4 credits)
BT33A	Forestry, Agroforestry & Sustainable Development (4 credits)
*Z 31B	Fisheries (4 credits)
*Z 31C	Fish Biology (4 credits)
Z 31F	Fisheries & Aquaculture Technology (4 credits)
BL33D	Freshwater Ecology (4 credits)
*BT31A	Phycology (4 credits)
*BT31D	Biology of Freshwater Plants (4 credits)
BL31E	Marine Ecology I: Biological Oceanography (4 credits)
BL31F	Marine Ecology II: Benthic Communities (4 credits)
BL31G	Coral Reef Biology (4 credits)
BL31A	Coastal Management (4 credits)
*BL30K	Soil Biology (4 credits)
BT37Q	Plant Health (4 credits)
BL39C	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 Medical Sciences (additional pre-requisites C10J & C10K)

^ taught by Department of Geography and Geology (pre-requisites GL10A and GL10B)

\*Not offered in 2009/10 academic year

# DEPARTMENT OF LIFE SCIENCES UWI, MONA

2008-2009

## UNDERGRADUATE COURSES

### PART I

#### PRELIMINARY LEVEL

BL05A	Preliminary Biology I (6P credits)
BL05B	Preliminary Biology II (6P credits)

#### LEVEL 1

BL12C	Cell, Molecular Biology & Genetics (6 credits)
BL12B	Diversity of Organisms (6 credits)

### PART II

#### LEVEL 2

BL20J	General and Molecular Genetics (4 credits)
BL20K	Evolutionary Biology (4 credits)
BL20N	Ecology (4 credits)
BL20P	Biometry (4 credits)
BT21B	Seed Plants (4 credits)
BT22A	Plant Physiology (4 credits)
Z 20G	Functional Organization of Animals I (4 credits)
Z 20H	Functional Organization of Animals II (4 credits)
BL23D	Eukaryotic microorganisms (4 credits)

#### LEVEL 3

*BL30M	Mycology (4 credits)
*BL30K	Soil Biology (4 credits)
BL31A	Coastal Management (4 credits)
BL31E	Marine Ecology 1: Biological Oceanography (4 credits)
BL31F	Marine Ecology 11: Benthic Communities (4 credits)
BL31G	Coral Reef Biology (4 credits)
BL33D	Freshwater Ecology (4 credits)
BL38A	Virology (4 credits)
BL39C	Research Project (4 credits)
BL39D	Caribbean Biodiversity (4 credits)
BL39E	Conservation Biology (4 credits)
*BT31A	Phycology (4 credits)
BT33A	Forest Ecology, Agroforestry and Sustainable Development (4 credits)
BT33B	Medicinal and Economic Botany (4 credits)
*BT34A	Principles of Plant Breeding (4 credits)
BT37Q	Plant Health (4 credits)
BT38B	Plant Biotechnology (4 credits)
BT38D	Principles of Horticulture (4 credits)
*Z 30A	Sensory & Neuromuscular Physiology (4 credits)
Z 30B	Metabolic Physiology (4 credits)
Z 30G	General Parasitology (4 credits)
Z 30M	Immunology (4 credits)
*Z 31B	Fisheries (4 credits)
*Z 31C	Fish Biology (4 credits)
Z 31F	Fisheries & Aquatic Technologies (4 credits)
Z 32C	Insect Biology and Systematics (4 credits)
Z 32G	Pest Management (4 credits)

\* Not offered in 2009/10 academic year

# DOUBLE MAJOR IN EXPERIMENTAL BIOLOGY

## CORE

BL12C	Cell, Molecular Biology & Genetics (6 credits)
BL12B	Diversity of Organisms (6 credits)
BL20N	Ecology (4 credits)
BL20K	Evolutionary Biology (4 credits)
BL20J	General & Molecular Genetics (4 credits)
BL20P	Biometry (4 credits)
BT22A	Plant Physiology (4 credits)
BT21B	Seed Plants (4 credits)
Z20G	Functional Organization of Animals I (4 credits)
Z20H	Functional Organization of Animals II (4 credits)
	<b>(32 level 2 credits)</b>

## ELECTIVES: 32 credits from courses listed below:

#BC21M	Microbiology (4 credits)
BL38A	Virology (4 credits)
Z32C	Insect Biology & Systematics (4 credits)
*BL30M	Mycology (4 credits)
BT37Q	Plant Health (4 credits)
Z32G	Pest Management (4 credits)
Z30G	General Parasitology (4 credits)
*Z31C	Fish Biology (4 credits)
Z30M	Immunology (4 credits)
Z30B	Metabolic Physiology (4 credits)
*Z30A	Sensory & Neuromuscular Physiology (4 credits)
*BL30K	Soil Biology (4 credits)
BT38B	Plant Biotechnology (4 credits)
*BT34A	Principles of Plant Breeding (4 credits)
BT38D	Principles of Horticulture (4 credits)
BT33B	Medicinal & Economic Botany (4 credits)
BL39C	Research Project
CM20A	Tropical Marine Invertebrate Zoology (4 credits)
BL20L	Diving Technology for Aquatic Scientists (4 credits)

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

\* Not offered in 2009/10 academic year

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