

DOUBLE MAJOR IN Zoology and Botany

CORE

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

BL20J General & Molecular Genetics (4 credits)
BL20K Evolution 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)

(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
2009-2010

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

DEPARTMENT OF LIFE SCIENCES UWI, MONA

MAJOR IN ZOOLOGY

CORE

BL12C	Cells, Molecular Biology and Genetics	(6 credits)
BL12B	Diversity of Organisms	(6 credits)
BL20K	Evolutionary Biology	(4 credits)
BL20N	Ecology	(4 credits)
Z20G	Functional Organization of Animals I	(4 credits)
Z20H	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

BL10J	Cell Biology & Genetics	(6 credits)
BL10L	Animal Diversity	(6 credits)
BL10M	Plant Diversity	(6 credits)
BL20J	General and Molecular Genetics	(4 credits)
BL20N	Ecology	(4 credits)
BT21B	Seed Plants	(4 credits)
BT22A	Plant Physiology	(4 credits)

ELECTIVES:

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

**2009-2010
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

MAJOR IN MARINE BIOLOGY

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

BL12C/BIOL1016	Cells, Molecular Biology and Genetics
BL12B/BIOL1261	Diversity of Organisms

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

BL20N/BIOL2014	Ecology,
BL20P/BIOL2015	Biometry,
Z 20G/ZOOL2012	Functional Organisation of Animals I
Z 20H/ZOOL2013	Functional Organisation of Animals II
BL31E/BIOL3014	Marine Ecology I: Biological Oceanography.
BL31F/BIOL3015	Marine Ecology II: Benthic Communities.
BL31G/BIOL3023	Coral Reef Biology and
BL31A/BIOL3012	Coastal Management.

MINOR IN ZOOLOGY

Core as listed in the Zoology major.

MINOR IN BOTANY

Core as listed in the Botany major.