

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

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

OPTION

A permissible combination of courses leading to a degree, diploma or certificate. Courses are taught by more than one Department.



THE UNIVERSITY OF THE WEST INDIES MONA

DEPARTMENT OF LIFE SCIENCES
2007-2008

BSc OPTION:

MICROBIOLOGY

(with the Department of
Basic Medical Sciences)

BSc OPTION:

BIOLOGY WITH EDUCATION

(with the Department of
Educational Studies)

DEPARTMENT OF LIFE SCIENCES UWI, MONA

**B.Sc. OPTION:
BIOLOGY WITH EDUCATION**

**2007-2008
UNDERGRADUATE COURSES
PART I**

**B.Sc. OPTION :
MICROBIOLOGY**

Year I			
Semester I			
	BL12C	Cells, Molecular Biology & Genetics	(6 credits)
	ED20C	Motivation and the Teacher	(6 credits)
Either	ED20M	Introduction to the Curriculum	(3 credits)
Or	ED10T	Introduction to Teaching & Learning	(3 credits)
Semester II			
	BC10M	Introductory Biochemistry	(6 credits)
	BL12B	Diversity of Organisms	(6 credits)
	ED30D	Educational Technology	(3 credits)
Either	ED34H	Environmental Education	(3 credits)
Or	ED10U	Planning for Teaching	(3 credits)
Year II			
Semester I			
	BL20J	General & Molecular Genetics	(4 credits)
	BL20P	Biometry	(4 credits)
	ED24G	Teaching Methodologies in Science	(3 credits)
	ED24E	The Psychology of Science Teaching and Learning	(3 credits)
Semester II			
	BT21B	Seed Plants	(4 credits)
	BT22A	Plant Physiology	(4 credits)
	ED34Q	Introduction to Secondary Science Practicals	(3 credits)
	ED20U	School Based Experience I	(3 credits)
Year III			
Semester I			
	BL20K	Evolutionary Biology	(4 credits)
	BL20N	Ecology	(4 credits)
	ED30T	The Teacher as Researcher	(3 credits)
	ED34C	Assessment in Science Teaching	(3 credits)
Semester II			
	Z 20G	Functional Organization of Animals I	(4 credits)
	Z 20H	Functional Organization of Animals II	(4 credits)
	ED30Q	School Based Experience II	(3 credits)
	ED30S	Classroom Enquiry	(3 credits)

PRELIMINARY LEVEL		
BL05A	Preliminary Biology I	(6P credits)
BL05B	Preliminary Biology II	(6P credits)
LEVEL 1		
BL12C	Cells, 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	Fresh water 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)
BT38K	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)

CORE:		
BL12C	Cells, Molecular Biology & Genetics	(6 credits)
BL12B	Diversity of Organisms	(6 credits)
#BC10M	Introductory Biochemistry	(6 credits)
C 10J	Introductory Chemistry A	(6 credits)
C 10K	Introductory Chemistry B	(6 credits)
#BC21C	Molecular Biology I	(4 credits)
#BC21D	Bioenergetics & Cell Metabolism	(8 credits)
#BC21M	Microbiology	(4 credits)
BL20J	General & Molecular Genetics	(4 credits)
BL38A	Virology	(4 credits)
*BL30M	Mycology	(4 credits)
Replaced by BL23D	Eukaryotic Microorganisms	(4 credits)
*BT31A	Phycology	(4 credits)
Replaced by BC34M	Molecular Microbiology	(4 credits)
#BC31M	Applied & Environmental Microbiology	(4 credits)
Either	BL39C	Research Project
Or	#BC36A	Research Project
(40 level 2 credits)		

ELECTIVES: 24 credits from courses listed below:

#BC34C	Molecular Biology II	(4 credits)
#BC35C	Biotechnology I	(4 credits)
#BC35D	Biotechnology II	(4 credits)
BL20P	Biometry	(4 credits)
Z 30G	General Parasitology	(4 credits)
Z 30M	Immunology	(4 credits)
*BL30K	Soil Biology	(4 credits)
BT37Q	Plant Health	(4 credits)
BT38B	Plant Biotechnology	(4 credits)
Z 32G	Pest Management	(4 credits)

#taught by Biochemistry Section, Department of Basic Medical Sciences

*Courses not offered in 2007/08 academic year

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

* Not offered in 2007/08 academic year