

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

2006-2007

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**

**2006-2007
UNDERGRADUATE COURSES
PART I**

**B.Sc. OPTION :
MICROBIOLOGY**

Year I		
	Semester I	
	BL10J Cell Biology & Genetics	(6 credits)
	BL10M Plant Diversity	(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)
	BL10L Animal Diversity	(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)
	ED 24E 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		
BL10J	Cell Biology & Genetics	(6 credits)
BL10L	Animal Diversity	(6 credits)
BL10M	Plant Diversity	(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)
BT 38D	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:		
BL10J	Cell Biology & Genetics	(6 credits)
#BC10M	Introductory Biochemistry	(6 credits)
BL10L	Animal Diversity	(6 credits)
BL10M	Plant Diversity	(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	(4 credits)
Or	#BC36A Research Project	(4 credits)
(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)
#BC37A	Fermentation Technology	(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 30H	Applied Parasitology	(4 credits)

#taught by Biochemistry Section, Department of Basic Medical Sciences

*Courses not offered in 2006/07 academic year

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

* Not offered in 2006/07 academic year