

# FACULTY OF SCIENCE AND TECHNOLOGY

## DEPARTMENT OF LIFE SCIENCES

Telephone: 1-868-662-2002  
Ext. 82045/83111/83789/83740

### DEGREE AUDIT FORM

### STUDENTS TO COMPLETE

## BSc. Biology with Specialisations - 2022/2023

<b>Student Name:</b>			<b>Student ID:</b>	
	<i>Last</i>	<i>First</i>		
<b>Email:</b>		<b>Telephone #:</b>		

**NOTE:** Students will be debarred from writing the final examination if they have not attended at least 75% of lectures and laboratory sessions and handed in 75 % of reports or practical exercises.

DEGREE	LEVEL I CREDITS	FOUNDATION COURSES CREDITS	LEVEL II/III CORE CREDITS	LEVEL II/III SPECIALISATION CREDITS	TOTAL
<b>BSc. Biology with Specialisations</b>	<b>24</b>	<b>9</b>	<b>30</b>	<b>30</b>	<b>93</b>

### LEVEL I COURSES – (24 CREDITS)

CORE COURSES – (Tick Completed Courses)	CREDITS	
1. BIOL 1262 Living Organisms I	3	Sem.I
2. BIOL 1263 Living Organisms II	3	Sem.I
3. CHEM 1062* Basic Chemistry for Life Sciences	3	Sem.I
4. BIOL 1362 Biochemistry I	3	Sem.II
5. BIOL 1364 Genetics I	3	Sem.II
6. MATH 1115* Fundamental Mathematics for the General Sciences I	3	Sem.I

**Additional Level I credits from anywhere to accumulate to a total of 24 Level I Credits**

**\* ANYWHERE MEANS FROM WITHIN THE LIFE SCIENCES DEPARTMENT OR ANY OTHER DEPARTMENTS OR FACULTIES**

	COMPLETED	RECOMMENDED		
	1.	1.	Sem.I/ II/ III	<i>Students may use a total of 6 Co-curricular credits towards their Level I credits.</i>
	2.	2.	Sem.I/ II/ III	

### FOUNDATION COURSES - 3 COURSES (9 FOUNDATION CREDITS)

**(Tick Completed Courses)**

		CREDITS
1. FOUN 1101 Caribbean Civilization	Sem. I/ II/ III	3
2. FOUN 1105 Scientific and Technical Writing	Sem. II/III	3
3. FOUN 1301 Law, Governance, Economy and Society	Sem. II/ III	3

### LEVEL II/III COURSES – 10 COURSES (30 CORE CREDITS)

CORE COURSES - (Tick Completed Courses)		CREDITS
1. BIOL 2061 Cell and Developmental Biology	Sem.I	3
2. BIOL 2163 Biostatistics	Sem.I	3
3. BIOL 2165 Genetics II	Sem.I	3
4. BIOL 2262 Evolutionary Biology	Sem.I	3
5. BIOL 2360 Biochemistry II A	Sem.I	3
6. BIOL 2164 Principles of Molecular Biology	Sem.II	3
7. BIOL 2265 Fundamentals of Microbiology	Sem.II	3
8. BIOL 2464 Fundamentals of Ecology	Sem.II	3
9. BIOL 2764 Physiology of Plants	Sem.II	3
10. BIOL 2867 Physiology of Animals	Sem.II	3

**PLEASE TURN OVER**

## **SPECIALISATIONS**

**Students reading the BSc Biology with Specialisations must select two (2) specialisations.**

In order to minimize timetable clashes, it is recommended that students pair the Specialisations as follows:

- Biotechnology and Microbiology
- Ecology and Environmental Biology and Marine Biology
- Plant Biology and either Biotechnology or Zoology
- Students can pursue different combinations but this may require more than the three (3) years for the completion of the degree program.

### **LEVEL II/III SPECIALISATION COURSES – 10 COURSES (30 SPECIALISATION CREDITS)**

<b>SPECIALISATION – BIOTECHNOLOGY - (Tick Completed Courses)</b>				<b>CREDITS</b>
1.	BIOL 3263	Introduction to Bioinformatics	Sem.I	3
2.	BIOL 3363	Medical Biotechnology	Sem.I	3
3.	BIOL 3369	Laboratory Skills in Biotechnology (Year-long)	Sem.I & II	3
4.	BIOL 3162	Principles of Microbial Biotechnology	Sem.II	3
5.	BIOL 3366	Plant Biotechnology and Genetic Engineering	Sem.II	3

<b>SPECIALISATION – ECOLOGY &amp; ENVIRONMENTAL BIOLOGY - (Tick Completed Courses)</b>				<b>CREDITS</b>
1.	BIOL 3070	Caribbean Island Ecology and Biogeography	Sem.I	3
2.	BIOL 3468	Biodiversity and Conservation	Sem.I	3
3.	BIOL 3469	Research and Practical Skills in Environmental Biology	Sem.I	3
4.	BIOL 3462	The Ecology of Freshwaters	Sem.II	3
5.	BIOL 3465	Tropical Forest Ecology and Use	Sem.II	3

<b>SPECIALISATION – MARINE BIOLOGY - (Tick Completed Courses)</b>				<b>CREDITS</b>
1.	BIOL 3063	Marine Ecology and Oceanography	Sem.I	3
2.	BIOL 3970	Aquaculture	Sem.I	3
3.	BIOL 3466	Costal Ecosystem Management	Sem.II	3
4.	BIOL 3971	Fisheries Management	Sem.II	3
5.	BIOL 3409	Caribbean Coral Reefs	Sem.II	3

<b>SPECIALISATION – MICROBIOLOGY - (Tick Completed Courses)</b>				<b>CREDITS</b>
1.	BIOL 3960	Environmental Microbiology	Sem.I	3
2.	BIOL 3961	Principles of Medical Microbiology	Sem.I	3
3.	BIOL 3770	Plant Pathogens	Sem.I	3
4.	AGRI 3020	Food Microbiology	Sem.II	3
5.	BIOL 3500	Molecular Virology	Sem.II	3

<b>SPECIALISATION –PLANT BIOLOGY - (Tick Completed Courses)</b>				<b>CREDITS</b>
1.	BIOL 3771	Environmental Plant Physiology	Sem.I	3
2.	BIOL 3773	Plant Anatomy	Sem.I	3
3.	BIOL 3774	Research and Practical Skills in Plant Biology	Sem.I/II	3
4.	BIOL 3768	Plant Diversity and Systematics	Sem.II	3
5.	BIOL 3772	Plant Development	Sem.II	3

<b>SPECIALISATION – ZOOLOGY - (Tick Completed Courses)</b>				<b>CREDITS</b>
1.	BIOL 3867	Biology of Animal Behaviour	Sem.I	3
2.	BIOL 3868	The Ecology of Humans	Sem.I	3
3.	BIOL 3866	Parasite Biology	Sem.II	3
4.	BIOL 3869	Zoology Project	Sem.II	3
5.	BIOL 3870	Insect Biology	Sem.II	3