

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

Double Major in Biochemistry and Environmental Science

***This double major may require students to read 3 extra level I credits, which is not GATE funded.**

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

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 BIOCHEMISTRY CREDITS	LEVEL II/III ENVIRONMENTAL SCIENCE CREDITS	TOTAL
BSc. Biochemistry and Environmental Science	24	9	30	30	93

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 1066 Intro. to Chemistry I	3	Sem.I
4. MATH 1115* Fundamental Mathematics for the	3	Sem.I
<i>* For students who do not have a pass in Pure Mathematics at CAPE Units I & II or GCE A 'Level or equivalent.</i>		
5. BIOL 1362 Biochemistry I	3	Sem.II
6. BIOL 1364 Genetics I	3	Sem.II
7. CHEM 1067 Intro. to Chemistry II		
8. ESST 1000 Physics for Environmental Sciences	3	Sem.II
9. *ESST 1006 Human Impact on the Environment	3	Sem.II

FOUNDATION COURSES - 3 COURSES (9 FOUNDATION CREDITS) - (Tick Completed Courses)

1. *Level I Foreign Language – (for new students 2023-2024)	*For students who do not have a pass in a Foreign Language at CSEC/CAPE	Sem. I/ II/ III	3
OR			
FOUN 1101 Caribbean Civilization	* For students who have a pass in a Foreign Language at CSEC/CAPE	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 ENVIRONMENTAL SCIENCE COURSES – (30 ENVIRONMENTAL SCIENCE CREDITS)

ENVIRONMENTAL SCIENCE COURSES - (Tick Completed Courses)	CREDITS
YEAR II	
1. BIOL 2163 Biostatistics*	3
2. ESST 2001 Principles of Environmental Chemistry	3
3. ESST 3001 Environmental Fate and Transport	3
4. ESST 2004 Physics for Environmental Science II	3
5. BIOL 2464 Fundamentals of Ecology	



YEAR III

6.	ESST 3002	Environmental Modeling	Sem.I	3
7.	ESST 3003	Environmental Monitoring and Assessment	Sem.I	3
8.	ESST 3103	Environmental Health	Sem.I	3
9.	ESST 3102	Environmental Impact Assessment	Sem.II	3
10.	ESST 2006	Pollution Biology	Sem.II	3

LEVEL III/III BIOCHEMISTRY COURSES – 11 COURSES (30 BIOCHEMISTRY CREDITS)**BIOCHEMISTRY CORE COURSES - (Tick Completed Courses)****CREDITS****YEAR II**

1.	BIOC 2061	Bioenergetics	Sem.I	3
2.	BIOC 2069	Practical Skills in Biochemistry I	Sem.I	1.5
3.	BIOC 2161	Primary Metabolism	Sem.I	3
4.	BIOC 2162	Circulatory and Secretory Systems	Sem.II	3
5.	BIOC 2169	Practical Skills in Biochemistry II	Sem.II	1.5
6.	BIOC 2262	Gene Expression	Sem.II	3

YEAR III

7.	BIOC 3062	Cellular and Molecular Defence Systems	Sem.I	3
8.	BIOC 3162	Experimental Biochemistry and Molecular Biology	Sem.I	3
9.	BIOC 3364	Biochemical Basis of Disease	Sem.II	3

PLUS two (2) Biochemistry electives from the following courses: **(Tick Completed Courses)**

1.	BIOC 3069	Biochemistry Research Project	Sem.I&II	3
2.	CHEM 2470	Introduction to Analytical Chemistry	Sem.I	3
3.	BIOC 3262	Medical Biochemistry	Sem.II	3
4.	BIOC 3500	Molecular Virology	Sem.II	3
5.	BIOL 3162	Principles of Microbial Biotechnology	Sem.II	3