

## ADMISSION AND GRADUATION REQUIREMENTS FOR B.Sc. BIOLOGY

### TOTAL CREDIT UNITS REQUIRED FOR GRADUATION IN B.Sc. BIOLOGY

	CORE COURSES	REQUIRED ELECTIVES	OTHER ELECTIVES	CREDIT LOAD REQUIRED	TOTAL CREDIT UNITS
<b>100 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	18	Nil	Nil	18	37
2 <sup>ND</sup> SEMESTER	19	Nil	Nil	19	
<b>200 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	21	3	Nil	24	45
2 <sup>ND</sup> SEMESTER	17	2	2	21	
<b>300 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	13	2		15	36
2 <sup>ND</sup> SEMESTER	13	2	6	21	
<b>400 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	18	2	2	22	43
2 <sup>ND</sup> SEMESTER	13	3	5	21	
<b>TOTAL</b>	<b>132</b>	<b>14</b>	<b>15</b>	<b>161</b>	<b>161</b>

The subject matter refers for Biology Unit of Pure and Applied Science Department

### ADMISSION REQUIREMENTS

#### MODE OF ENTRY

##### 100 LEVEL

Application to the B.Sc. Biology Programme should meet a minimum of 5 Ordinary Level (O' Level) Credits including English Language, Mathematics, Biology, Chemistry and any one of the following: Geography, Agriculture or Economics with at least, a Pass (D7) in Physics at the National Examination Council (NECO) Level, Senior Secondary School Certificate (SSCE), General Certificate of Education (GCE), West African School Certificate (WASC) of the West African Examination Council (WAEC). Relevant certificates and Diplomas will be considered on individual merits.

## **DIRECT ENTRY**

- OND with upper credit may be admitted into 200 level of the programme.
- NCE with credit passes in any one of the options below may be admitted into 200 level of the programme:
  - i. Biology/Chemistry
  - ii. Integrated Science/Chemistry
  - iii. Related Science based courses
- HND with credit pass in Biology or related programmes, and credit passes in requisite subjects at O' Level may be admitted into 200 Level.
- A level Passes (A-D) in two or more relevant subjects (Biology, Chemistry, Geography, mathematics and Physics)

## **DURATION OF THE PROGRAMME**

- **B.Sc. - BIOLOGY 4 years**

## **GRADUATION REQUIREMENTS**

### **ENTRY MODE**

### **100 LEVEL**

To graduate, a student shall have undergone at least 6-8 semesters of study depending on entry point, including field practical training. Course work load must meet the graduation requirements of the University based on minimum academic standards. However, in doing so, the student must earn minimum of 146 credit units for the four year programme and 109 credit units for the three years (Direct entry) programme including all GST Courses. The submission of an undergraduate project thesis based on a supervised research is a graduation requirement which cannot be compromised.

### **NOTE**

Students must meet the required Grade Point Average(**G.P.A**) of **2.50** in order to move from one level to another and Cumulative Grade Point Average (**C.G.P.A**)of **1.50** in order to graduate.

**TOTAL CREDIT UNITS REQUIRED FOR GRADUATION IS 146**

## ADMISSION AND GRADUATION REQUIREMENTS FOR B.Sc. CHEMISTRY

### TOTAL CREDIT UNITS REQUIRED FOR GRADUATION IN B.Sc. CHEMISTRY

	CORE COURSES	REQUIRED ELECTIVES	OTHER ELECTIVES	CREDIT LOAD REQUIRED	TOTAL CREDIT UNITS
<b>100 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	21	Nil	Nil	21	37
2 <sup>ND</sup> SEMESTER	16	Nil	Nil	16	
<b>200 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	10	1	Nil	11	24
2 <sup>ND</sup> SEMESTER	11	2	Nil	13	
<b>300 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	15	2	2	19	33
2 <sup>ND</sup> SEMESTER	10	2	2	14	
<b>400 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	24	2		26	37
2 <sup>ND</sup> SEMESTER	9	2		11	
<b>TOTAL</b>	<b>116</b>	<b>11</b>	<b>4</b>	<b>131</b>	<b>131</b>

The subject matter refers for CHEMISTRY unit of Pure and Applied Sciences Department

### ADMISSION REQUIREMENTS

#### MODE OF ENTRY

##### **100 LEVEL** (4 –year B.Sc(Hons) Chemistry)

- The entry requirements shall be at least credit level passes in five subjects including English Language, Mathematics, Chemistry to form the core course with credit in Physics, and any other relevant science subjects at the Senior Secondary School Certificate or its equivalent. In addition, an acceptable pass in the University.
- O’level credit passes in five subjects, which must include **Mathematics, English language, Chemistry and Physics**; and obtained in not more than 2 sittings.  
\*‘O’ level results are the ones conducted by: West African Examination Council (WAEC), GCE London-moderated ‘O’ level, and University of Cambridge-moderated ‘O’ level.

##### **DIRECT ENTRY** (3 –year B.Sc. (Hons) Chemistry)

- (i) O’level credit passes in five subjects, which must include **Mathematics, English language, Chemistry and Physics**; and obtained in not more than 2 sittings.

- (ii) In addition, candidates must possess at least an upper credit in OND or NCE in Chemistry or a closely related course.
- (iii) Candidates with two A level passes (graded A-E) at the Advanced Level in one or more relevant subjects (Biology, Botany, Chemistry, Geography, Mathematics and Physics)

## **DURATION OF THE PROGRAMME**

- **B.Sc. - CHEMISTRY 4 years**

## **GRADUATION REQUIREMENTS**

To graduate, a student shall have undergone at least 6-8 semesters of study depending on entry point, including field practical training. Students are to pass a minimum of 127 credit units for a 4-year B.Sc. (Chemistry) programme; and 90 units for a 3-year B.Sc. (Chemistry) programme, and must have passed all the GST courses. The submission of an undergraduate project thesis based on a supervised research is a graduation requirement which cannot be compromised.

## **ENTRY MODE**

### **100 LEVEL**

A minimum of **127 credit units** made up of **116 credit units** of **ALL COMPULSORY COURSES** and **11 credit units** of electives as contained in the registerable courses for B.Sc. Chemistry

### **DIRECT ENTRY**

A minimum of **90 credit units** made up of **79 credit units** of **ALL COMPULSORY COURSES** and **11 credit units** of electives as contained in the registerable courses for B.Sc. Environmental Resource management.

### **NOTE**

Students must meet the required Grade Point Average (**G.P.A**) of **2.50** in order to move from one level to another and Cumulative Grade Point Average (**C.G.P.A**) of **1.50** in order to graduate.

## **TOTAL CREDIT UNITS REQUIRED FOR GRADUATION IS 127**

## ADMISSION AND GRADUATION REQUIREMENTS FOR B.Sc. PHYSICS

### TOTAL CREDIT UNITS REQUIRED FOR GRADUATION IN B.Sc. PHYSICS

	CORE COURSES	REQUIRED ELECTIVES	OTHER ELECTIVES	CREDIT LOAD REQUIRED	TOTAL CREDIT UNITS
<b>100 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	19	Nil	Nil	19	33
2 <sup>ND</sup> SEMESTER	14	Nil	Nil	14	
<b>200 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	19	Nil	Nil	19	40
2 <sup>ND</sup> SEMESTER	18	3	Nil	21	
<b>300 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	19	2	Nil	21	38
2 <sup>ND</sup> SEMESTER	17	Nil	Nil	17	
<b>400 LEVEL</b>					
1 <sup>ST</sup> SEMESTER	15	3	6	24	39
2 <sup>ND</sup> SEMESTER	12	3	Nil	15	
<b>TOTAL</b>	<b>133</b>	<b>11</b>	<b>6</b>	<b>150</b>	<b>150</b>

The subject matter refers for Physics unit of Pure and Applied Sciences Department

### ADMISSION REQUIREMENTS

#### MODE OF ENTRY

##### 100 LEVEL

To be admitted into the B.Sc. Physics programme, a candidate is expected to possess at least one of the following:

- i) Five (5) credit passes in Senior School Certificate Examination (SSCE) or at the School Certificate (SC), General Certificate of Education (GCE) Ordinary Level, National Examinations Council (NECO) or 6 merit passes in National Board for Technical Education (NABTEB) or Teachers Grade Two Certificate (TC II) examinations. The credit passes must include Mathematics and Physics. Credit pass in English language is required.
- ii) General Certificate of Education (GCE) Advanced level in Mathematics and Physics for entry into 200 level of the programme.

- iii) National Certificate in Education (NCE) with merit passes in Mathematics and Physics or Physics and Chemistry for entry into 200 level of the programme.
- iv) National Diploma (N.D.) in the physical sciences or equivalent qualification from an institution recognized by Senate for entry into 200 level of the programme.
- v) Degree or Higher National Diploma (HND) or equivalent qualification in any physical science from an institution recognized by Senate for entry into 200 level of the programme.

Note: All direct entry candidates must satisfy the ordinary level requirement.

### **DURATION OF THE PROGRAMME**

- **B.Sc. - PHYSICS 4 years**

### **GRADUATION REQUIREMENTS**

#### **ENTRY MODE**

To graduate a student should have undertaken at least 6-8 semesters of study depending on entry point including field practical trainings, seminar and project. However, in doing so, the student must earn a minimum of 144 credit units for 4 year programme and 111 credit units for the 3 year (direct entry) programme, including all GST courses. The submission of an undergraduate project based on a supervised research is a graduation requirement which cannot be compromised.

#### **NOTE**

Students must meet the required Grade Point Average (**G.P.A**) of **2.50** in order to move from one level to another and Cumulative Grade Point Average (**C.G.P.A**) of **1.50** in order to graduate.

### **TOTAL CREDIT UNITS REQUIRED FOR GRADUATION IS 144**

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