

# LANGSTON UNIVERSITY

## School of Arts & Sciences Department Of Biology

### PLAN OF STUDY - BACHELOR OF SCIENCE IN BIOLOGY

Dept/No	Credit	Course Title	Grade	Date	Dept/No	Credit	Course Title	Grade	Date
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#### Freshman Year – 1<sup>ST</sup> Semester

NB-1114	4	Nat. Science (Bio)		
MT-1323	3	College Algebra		
EG-1113	3	Eng. Comp I		
HT-1483	3	US History, 1492-1865		
PY-1011	1	Personal/Social Dev.		
CS-1103	3	Intro. Info. Process		
<b>Total</b>	<b>17</b>			

#### Freshman Year – 2<sup>ND</sup> Semester

NB-1124	4	Nat. Science II (Bio)		
MT-1613	3	Trigonometry		
EG-1213	3	Eng Comp II		
PS-1113	3	US Government		
PY-1113	3	Gen Psychology		
<b>Total</b>	<b>16</b>			

#### Sophomore Year-1<sup>ST</sup> Semester

BI-2114	4	Zoology		
CH-1315	5	Chemistry I		
MT-2413	3	Elem. Statistics		
EG-2033	3	Adv Comp		
<b>Total</b>	<b>15</b>			

#### Sophomore Year-2<sup>ND</sup> Semester

BI-2134	4	Botany		
CH-1515	5	Chemistry II		
MT-2145	5	Calculus I		
SP-2713	3	Intro To Speech		
<b>Total</b>	<b>17</b>			

#### Junior Year-1<sup>ST</sup> Semester

PH-1115	5	Physics I		
HU-2103	3	Humanities		
CH-3315	5	Organic Chem I		
BI-3234	4	Cell Biology		
<b>Total</b>	<b>17</b>			

#### Junior Year-2<sup>ND</sup> Semester

PH-1125	5	Physics II		
CH-3325	5	Organic Chem II		
BI-3014	4	Microbiology		
BI-3144	4	Ecology		
<b>Total</b>	<b>18</b>			

#### Senior Year-1<sup>ST</sup> Semester

BI-4224	4	Genetics		
BI-3/4___	3/4	Electives		
BI-3/4___	3/4	Electives		
BI-3/4	4	Electives		
<b>Total</b>	<b>14/16</b>			

#### Senior Year-2<sup>ND</sup> Semester

BI-4091	1	Biology Seminar		
BI-4___	3/4	Electives		
BI-4___	3/4	Electives		
___4___	3/4	Electives		
___4___	3/4	Electives		
<b>Total</b>	<b>13/17</b>			

#### **Graduation Requirements:**

General Education.....50 hours

Biology Core Courses.....29 hours (*Natural Science Biology II, Zoology, Botany, Microbiology, Ecology, Cell Biology, Genetics, Biology Seminar*)

Biology Elective Courses....7 hours

Support Courses.....33 hours (*Chemistry II, Organic Chemistry I, Organic Chemistry II, Physics I, Physics II, Statistics, Calculus*)

Free Electives.....8 hours

**[Required graduation credits must include a minimum of 45 hours of 3000 & 4000 courses].**

**TOTAL = 127 HOURS**

### Requirements for Biology Minor: 24 Hours

*(Biology II, Zoology, Botany, Ecology or Environmental Biology, Cell Biology, & Genetics).*

Dept/No	Credit	Course Title	Grade	Date	Dept/No	Credit	Course Title	Grade	Date

#### Biology Electives

Dept/No	Credit	Course Title	Grade	Date	Dept/No	Credit	Course Title	Grade	Date
BI-3104	4	Human Anatomy							
BI-4214	4	Human Physiology							
BI-3114	4	Environmental Biology							
BI-3221	1	Conduct/Biomed Res.							
BI-3224	4	Developmental Bio.							
BI-3234	4	Entomology							
BI-3243	3	Parasitology							
BI-4002	2	Bio. Teaching Tech.							
BI-4003	3	Practicum in Bio.							
BI-4092	2	Investig. Techniques							
BI-4093	3	Bio. Research Pblms							
BI-4193	3	Bio. Lit. Investigations							
BI-4223	3	Histology							
BI-4271	1	Lab Topics in Bio.							
BI-4273	3	Lecture Topics in Bio.							
BI-4443	3	Limnology							
BI-4514	4	Biochemistry							
BI-4133	3	Intro to Bioinformatics							
BI-3223	3	Neuroscience							
BI-3113	3	Concepts of Biology							
BI-2214	3	Comp. Vert. Anatomy							

#### Biology-Related Electives

PY-3313	3	Developmental Psy.							
PY-3213	3	Physiological Psychol.							
PY-3113	3	Psychology of Aging							
AS-4153	3	Natural Res. Mgmt.							
AS-4213	3	Soil Chemistry							
AS-3623	3	Urban Horticulture							
+2 .AS-4223	3	Wildlife Management							

Notes: \_\_\_\_\_