

## JACKSON STATE UNIVERSITY

## Curricular Sheet

Bachelor of Science Degree

Major: Biology

Concentration: Pre-Pharmacy

**FRESHMAN YEAR**

		FALL	SPRING
BIO 111, BIOL 111	General Biology	4	
BIO 112, BIOL 112	General Biology		4
BIO 114	Intro to Marine/Environmental Sciences		2
CHEM 141, CHML 141	General Chemistry	4	
CHEM 142, CHML 142	General Chemistry		4
MATH 111	College Algebra	3	
MATH 112	Trigonometry		3
ENG 104	Composition and Literature	3	
ENG 105	Composition and Literature		3
UNIV 100 <sup>a</sup>	University Success in College	2	
	<b>(Freshman Year Total Hours: 32)</b>	<b>16</b>	<b>16</b>

**SOPHOMORE YEAR**

BIO 119, BIOL 119	General Botany	4	
BIO 234, BIOL 234	Human Anatomy and Physiology I	4	
BIO 235, BIOL 235	Human Anatomy and Physiology II		4
CHEM 241, CHML 241	Organic Chemistry	4	
CHEM 242, CHML 242	Organic Chemistry		4
MATH 241	Calculus I		3
ENG 205	World Literature	3	
Fine Arts Option <sup>b</sup>			3
	<b>(Sophomore Year Total Hours: 29)</b>	<b>15</b>	<b>14</b>

**JUNIOR YEAR**

BIO 313, BIOL 313	Introduction to Microbiology	4	
BIO 318 (w), BIOL 318	Introduction to Genetics		4
BIO 390 (w)	Seminar in Biology	1	
BIO 392(s)	Independent Study		2
PHY 201, PHYL 201	Basic Physics I	4	
PHY 202, PHYL 202	Basic Physics II		4
MFL XXX <sup>c</sup>	Modern Foreign Language	3	
MFL XXX <sup>c</sup>	Modern Foreign Language		3
HIST 101	History of Civilization	3	
HIST 102	History of Civilization		3
Statistics Option <sup>d</sup>		3	
	<b>(Junior Year Total Hours: 34)</b>	<b>18</b>	<b>16</b>

**SENIOR YEAR**

BIO 440, BIOL 440	Cell Biology	4	
PE XXX <sup>e</sup>	Physical Education	1	
PE XXX <sup>e</sup>	Physical Education		1
CSC 115	Digital Computer Principles	3	
Philosophy Option <sup>f</sup>			3
Social Science Option <sup>g</sup>			3
Speech Option <sup>h</sup>		3	
Economics Option <sup>i</sup>			3
Biology Electives <sup>j</sup>		4	4
	<b>(Senior Year Total Hours: 29)</b>	<b>15</b>	<b>14</b>

TOTAL HOURS: 124

- ❖ Students earning a sub score less than 17 in English on the ACT (or the corresponding score on the SAT) will be placed in ENG 002.
- ❖ Students earning a sub score less than 17 in Mathematics on the ACT (or the corresponding score on the SAT) will be placed in Math 004.
- ❖ Students earning a sub score less than 17 in Reading on the ACT (or the corresponding score on the SAT) will be placed in RE 002.
- ❖ All students must take the Undergraduate English Proficiency Examination (UEPE) after the sophomore year. Students not passing the exam must take ENG 399, Functional Writing.

- a Students who transfer 12 or more hours of college credit are exempt from UNIV 100.
- b ART 206, MUS 205, DR 201, ENG 201 or ENG 202 may be taken.
- c Students who have completed two years of a single foreign language in high school with grades of “C” or better are exempt from the foreign language requirements. This exemption must be listed on your JSU transcript. The six credit hours must be replaced with other courses.
- d BIO 202 or MATH 271 may be taken.
- e HE 101 (3 credit hours) may be taken in place of PE XXX (1 credit hour) and PE XXX (1 credit hour).
- f PHIL 301, PHIL 308, PHIL 309 or PHIL 416 may be taken.
- g SS 201, SS 202, GEO 105, GEO 209, SOC 214, SOC 325, PS 334, PS 335, PS 336, ECO 211, ECO 212, PSY 111, PSY 112 OR PSY 201 may be taken.
- h SPCH 201, SPCH 216, SPCH 334, SPCH 335, or SPCH 430 may be taken.
- i ECO 211 or ECO 212 may be taken.
- j BIO 236, BIO 380, BIO 390, BIO 404, BIO 409, BIO 423, BIO 425, BIO 441, BIO 443, BIO 450 or BIO 475 may be taken. Other courses may be taken with the approval of the department Chair.

NOTE: Laboratory courses must be taken during the same semester as lecture for biology, chemistry and physics courses unless approved by the department chair.