

BS in Biology

(Revised per Resolution No. 38, s. 2007)

Subject	Description	Unit	Pre-Requisite
First Year, 1st Semester			
* English Plus	Critical Grammatical Structure	-	None
English 1	Study and Thinking Skills in English	3	None
Filipino 1	Sining ng Pakikipagtalastasan	3	None
Chemistry 1	General and Inorganic Chemistry (Lecture)	3	None
Chemistry 1L	General and Inorganic Chemistry (Laboratory)	2	None
Math 1	College Algebra	3	None
Social Science 1	Philippine Government and Constitution	3	None
Social Science 2	General Psychology	3	None
Physical Education 1	Physical Fitness Testing	2	None
NSTP 1	CWTS/LTS/ROTC	3	None
<i>* To be taken by those who did not pass the English Placement Test</i>			
First Year, 2nd Semester			
* English 1	Study and Thinking Skills in English	3	
English 2	Writing in the Discipline	3	English 1
Filipino 2	Pagbasa at Pagsulat sa Iba't Ibang Disiplina	3	Filipino 1
Biology 1	General Biology I (Lecture)	3	Chemistry 1
Biology 1L	General Biology I (Laboratory)	2	Chemistry 1L
Chemistry 2	Organic Chemistry (Lecture)	3	Chemistry 1
Chemistry 2L	Organic Chemistry (Laboratory)	2	Chemistry 1L
History 1	Philippine History	3	None
Math 2	Plane Trigonometry	3	Math 1
Physical Education 2	Rhythmic Activities	2	P.E.1
NSTP 2	CWTS/LTS/ROTC	3	NSTP 1
<i>* For those who took up English Plus</i>			
Second Year, 1st Semester			
Literature 1	Philippine Literature	3	None
Biology 2	General Biology II (Lecture)	3	Biology 1
Biology 2L	General Biology II (Laboratory)	2	Biology 1L

Chemistry 3	Biochemistry (Lecture)	3	Chemistry 2
Chemistry 3L	Biochemistry (Laboratory)	2	Chemistry 2 L
Humanities 1	Art Appreciation	3	None
Rizal Course	Life and Works of Rizal	3	None
Philosophy 1	Logic	3	None
Physical Education 3	Individual/Dual Team Sports and Games	2	Physical Education 2
Second Year, 2nd Semester			
Biology 3	Plant Morphoanatomy (Lecture)	2	Biology 2
Biology 3L	Plant Morphoanatomy (Laboratory)	1	Biology 2 L
Physics 1	General Physics (Lecture)	2	None
Physics 1L	General Physics (Laboratory)	2	None
Math 4	Analytical Geometry and Calculus	3	Math 2
Social Science 4	Principles of Economics with Land Reform and Taxation	3	None
Free Elective	Science, Technology and Society	3	None
Social Science 5	Society, Culture and Responsible Parenthood	3	None
English 3A	Writing Scientific Paper	3	English 2
Physical Education 4	Team Sports and Recreational Activities	2	Physical Education 3
Third Year, 1st Semester			
Biology 4	Animal Morphoanatomy (Lecture)	2	Biology 2
Biology 4L	Animal Morphoanatomy (Laboratory)	1	Biology 2L
Biology 5	General Microbiology (Lecture)	2	Biology 2, Chemistry 3
Biology 5L	General Microbiology (Laboratory)	1	Biology 2L, Chemistry 3L
Biology 6	Systematic Biology (Lecture)	3	Biology 2 & 5
Biology 6L	Systematic Biology (Laboratory)	1	Biology 2L & 5L
Biology 7	Developmental Biology (Lecture)	2	Biology 2
Biology 7B	Developmental Biology (Laboratory)	1	Biology 2L
Computer 1	Computer Concepts	3	None
Physics 3	Modern Physics	4	Physics 1
Third Year, 2nd Semester			
Elective 1	Histology (Lecture)	3	Biology 2, 3 & 4
Elective 1L	Histology (Laboratory)	1	Biology 2L, 3L & 4L
Biology 8	Introduction to Cell and Molecular Biology	3	Biology 2, Chemistry 3
Biology 8L	Introduction to Cell and Molecular Biology	1	Biology 2L, Chemistry 3L
Biology 9	Plant Physiology (Lecture)	2	Biology 2, Chemistry 3

Biology 9L	Plant Physiology (Laboratory)	1	Biology 2L, Chemistry 3L
Biology 10	Animal Physiology (Lecture)	2	Biology 2, Chemistry 3
Biology 10L	Animal Physiology (Laboratory)	1	Biology 2L, Chemistry 3L
Elective 2	Phycology	3	Biology 2
Statistics 1B	Bio Statistics	3	Math 2
Fourth Year, 1st Semester			
Biology 11	Elementary Genetics (Lecture)	3	Biology 2, Chemistry 3
Biology 11L	Elementary Genetics (Laboratory)	1	Biology 2L, Chemistry 3L
Elective 3	Human Anatomy and Physiology (Lecture)	3	Biology 4, Biology 11
Elective 3L	Human Anatomy and Physiology (Laboratory)	2	Biology 4L, Biology 11L
Elective 4	Pteridology	3	Biology 2
Biology 12	Fundamentals of Ecology (Lecture)	3	Biology 6, 10 & 11, Math 4
Biology 12L	Fundamentals of Ecology (Laboratory)	1	Biology 6L, 10L & 11L, Math 4
Biology 20 A	Undergraduate Thesis 1	3	Bio Research 1
Fourth Year, 2nd Semester			
Elective 5	Aquatic Biology (Lecture)	2	Biology 2
Elective 5L	Aquatic Biology (Laboratory)	1	Biology 2L
Elective 6	Parasitology and Immunology	3	Biology 2
Elective 7	Entomology	3	Biology 2
Free Elective	Science, Teaching and Testing	3	None
Biology 20 B	Undergraduate Thesis 2 with Seminar	3	Biology 20A

Electives:

- *Histology*
- *Phycology*
- *Pteridology*
- *Aquatic Biology*
- *Parasitology and Immunology*
- *Human Anatomy and Physiology*
- *Entomology*
- *Evolution*
- *Animal Behavior*
- *Theoretical Biology*
- *Molecular Biology*
- *Terrestrial Biology*

Free Electives:

- *Science, Technology & Society*
- *Science Teaching & Testing*