

Bachelor of Science in Biology Program Checklist

Term 1			
Course Code	Course Title	Units	Prerequisite
[BOTAONE]	Fundamentals of Botany Laboratory	3	
[LBYBIOA]		2	
INOCHE1	Gen. Chemistry 1 (lec)	3	
LBYCH14	Gen. Chemistry 1 (lab)	1	
MATH111	College Algebra	3	
KASPIL1	Buhay, mga Sinulat at Nagawa ni Dr. Jose Rizal	3	
FITWELL	Physical Fitness and Wellness	2	
PERSEF1	Personal Effectiveness Foundation	(2)	
NSTP101	National Service Training Program-General Orientation	0	
SAS1000	Student Affairs Services 1000	0	
	Total	17 (2)	
Term 2			
Course Code	Course Title	Units	Prerequisite
[BOTANY2]	Systematic Botany 2 (lec)	2	BOTAONE, LBYBIOA
[LBYBIOB]	Botany 2 Laboratory	2	
[INOCHE2]	General Chemistry 2 for Science Majors	3	INOCHE 1
[LBYCH15]	General Chemistry 2 (lab)	1	LBYCH14
TRIGBIO	Trigonometry for Biology Students	3	MATH111
INTFILO	Introductory Philosophy	3	
ENGLCOM	Basic Communication and Study Skills	3	
FTTEAMS	Physical Fitness & Wellness in Team Sports	2	FITWELL
NSTPCW1/ NSTPRO1	CWTS Formation Phase / Military Science 1: ROTC Common Module	(3)	
	Total	19 (3)	

Term 3			
Course Code	Course Title	Units	Prerequisite
ZOOLONE	General Zoology	3	
LBYBIO1	Fundamentals of Zoology Laboratory Lab	2	
ANALCHE	Analytical Chemistry for Biology	3	INOCHE2
LBYCH22	Analytical Chemistry Laboratory for Biology	1	LBYCH15
BIOPHY1	Physics Fundamentals for Biology Majors 1	3	MATH111,TRIGBIO
LBYPHYD	Physics Fundamentals Lab for Biology Majors 1	1	MATH111,TRIGBIO
TREDONE	Humanity's Search for Life	3	
SOCTEC1	Integrated Social Science, Technology & Society 1	3	
FTSPORT	Physical Fitness & Wellness in Individual/Dual Sports	2	FITWELL
NSTPCW2/ NSTPRO2	CWTS Community Service Phase/ ROTC Military Science 2: Service Oriented Module	(3)	NSTPCW1/NSTPRO1
LASARE1	Lasallian Recollection 1	0	
	Total	21(3)	
Term 4			
Course Code	Course Title	Units	Prerequisite
ZOOLTWO	Invertebrate Zoology (lec)	3	ZOOLONE, LBYBIO1
LBYBIO2	Invertebrate Zoology (lab)	2	ZOOLONE, LBYBIO1
ORCHEM1	Organic Chemistry (lec)	3	INOCHE2
BIOPHY2	Physics 2 for Bio Students (lec)	3	BIOPHY1
LBYPHYE	Physics 2 for Bio Students (lab)	1	LBYPHYD
ENGLRES	Basic Research Skills/English for Special Purposes	3	ENGLCOM
TREDTWO	The Filipino Christian in a Changing World	3	TREDONE
FTDANCE	Physical Fitness & Wellness in Dance	2	FITWELL
	Total	20	
Term 5			
Course Code	Course Title	Units	Prerequisite
ECOLOGY	General and Applied Ecology (lec)	3	BOTANY2, LBYBIOB, ZOOLTWO, LBYBIO2
LBYBIOC	General and Applied Ecology (lab)	2	
ORCHEM2	Organic Chemistry 2 (lec)	3	ORCHEM1, INOCHE2, LBYCH15
LBYCH34	Organic Chemistry 2 (lab)	1	
BIOSTAT	Statistics for Biology Students	4	MATH111
SPEECOM	Oral Communication/Advanced Speech Class	3	ENGLCOM
SOCTEC2	Integrated Social Science, Tech & Society 2	3	SOCTEC1
PERSEF2	Personal Effectiveness Formation	(2)	PERSEF1
LASARE2	Lasallian Recollection 2	0	LASARE1
	Total	19 (2)	

Term 6			
Course Code	Course Title	Units	Prerequisite
[MICROBI]	Microbiology (lec)	2	BOTANY2/LBYBIO2, ZOOLTWO/LBYBIOB
[LBYBIOD]	Microbiology (lab)	2	
BIOCHEM	Biochemistry (lec)	3	ORCHEM2
LBYCH42	Biochemistry (lab)	1	LBYCH34
[THSBIO1]	Bioresearch 1	2	BIOSTAT, (+23 units of Biology), SPEECOM
[BIO-RES]	Fundamentals of Biological Research	1	
HUMALIT	Introduction to Literature	3	ENGLRES
BIOTICS	Bioethics for Biology	3	
IPERSEF	Integrating Course for Personal Effectiveness	0	PERSEF2
LASARE3	Lasallian Recollection 3	0	LASARE2
	Total	17	
Summer			
Course Code	Course Title	Units	Prerequisite
PRCBIOL	Practicum	2	
Term 7			
Course Code	Course Title	Units	Prerequisite
[COMPANA]	Comparative Anatomy of Vertebrates Lec	3	ZOOLONE, LBYBIO1
[LBYBIO3]	Comparative Vertebrate Anatomy Lab	2	
CHEBIO2	Biochemistry for Biology Students	2	BIOCHEM
LBYBIO7	Histology Laboratory	2	ZOOLONE, LBYBIO1
THSBIO2	Biological Research Methods 2	2	THSBIO1 / BIO-RES
HUMAART	Introduction to Art	3	ENGLRES
TREDTRI	The Christian and the Word	3	TREDTWO
	Total	17	
Term 8			
Course Code	Course Title	Units	Prerequisite
[GENETIC]	Genetics	3	BOTANY2/LBYBIOB, ZOOLTWO/LBYBIO2. BIOCHEM/LBYCH42
[LBYBIOE]	Fundamentals of Genetics (lab)	1	
[CELLBIO]	Cell Biology Lec	3	ZOOLONE/LBYBIO1, BOTAONE/LBYBIOA, BIOCHEM, LBYCH42
[LBYBIOJ]	Cell Biology Lab	1	
BIOALT1*	Biology Alternative 1	3	
GREATWK	The Great Works	3	
FILKOMU	Komunikasyon sa Araling Filipino	3	
	Total	17	

Term 9			
[EMBRYON]	Vertebrate Embryology	2	COMPANA/LBYBIO3
[LBYBIO4]	Vertebrate Embryology Laboratory	2	
[PYSIOLO]	Physiology	3	COMPANA/LBYBIO3, BIOCHEM, LBYCH42
[LBYBIO5]	Fundamentals of Physiology (lab)	1	
THSBIO3	Biological Research 3	2	THSBIO2
KASPIL2	Kasaysayan ng Pilipinas	3	KASPIL1
FILDLAR	Pagbabasa at Pagsulat sa Iba't Ibang Disiplina/Larangan	3	FILKOMU
TREDFOR	The Christian Vocation of Life	3	TREDTRI
	Total	19	

Bachelor of Science in Biology Curriculum Mapping

Introductory, Enabling, and Culminating Biology Courses

Introductory

Botaone/ LBYBIOA
Zoolone/ LBYBIO1

Enabling

Botatwo/ LBYBIOB

Zooltwo/LBYBIO2

Compana/ LBYBIO3

Histology Lab

Immulec

Microbiology/LBYBIOD

Parasitology

Culminating

Ecology/ LBYBIOC

Cell Biology/ LBYBIOJ

Embryon/ LBYBIO4

Genetics/ LBYBIOE

Pysiol/ LBYBIO5

THSBIO1

THSBIO2

THSBIO 3

Practicum or On-the-job training

BS Biology Courses and Program Learning Outcomes

Biology Courses	*BS Biology Program Learning Outcomes										
	1	2	3	4	5	6	7	8	9	10	11
Biology Courses											
Botany 1/ LBYBIOA	x	x	x	x	x	x	x	x	x	x	x
Zoology 1/ LBYBIO1	x	x	x	x	x	x	x	x	x	x	x
Botany 2/ LBYBIOB	x	x	x	x	x	x	x	x	x	x	x
Zoology 2/LBYBIO2	x	x	x	x	x	x	x	x	x	x	x
Comparative Anatomy/ LBYBIO3	x	x	x		x	x	x	x	x	x	x
Histology Lab	x	x	x		x	x	x	x		x	x
Immunology	x	x	x		x	x	x	x	x	x	x
Microbiology/LBYBIOB	x	x	x	x	x	x	x	x	x	x	x
Parasitology	x	x	x	x	x	x	x	x	x	x	x
Ecology/ LBYBIOC	x	x	x	x	x	x	x	x	x	x	x
Cell Biology/ Cell Biology Lab	x	x	x	x	x	x	x	x	x	x	x
Biology Courses	*BS Biology Program Learning Outcomes										
	1	2	3	4	5	6	7	8	9	10	11
Embryology/ LBYBIO4	x	x	x	x	x	x	x	x	x	x	x
Genetics/ LBYBIOE	x	x	x	x	x	x	x	x	x	x	x
Physiology/ LBYBIO5	x	x	x	x	x	x	x	x	x	x	x
Fundamentals of Biological Research	x	x	x	x	x	x	x	x	x	x	x
Thesis 1	x	x	x	x	x	x	x	x	x	x	x
Thesis 2	x	x	x	x	x	x	x	x	x	x	x
Thesis 3	x	x	x	x	x	x	x	x	x	x	x
Practicum	x	x	x	x	x	x	x	x	x	x	x
Non-Biology Tool Courses											
General Chemistry/ LBYCH14		x	x	x	x	x	x	x	x	x	x
General Chemistry 2/ LBYCH15		x	x	x	x	x	x	x	x	x	x
Analytical Chemistry/LBYCH22		x	x	x	x	x	x	x	x	x	x
Organic Chemistry		x	x			x	x	x	x	x	x
Organic Chemistry 2/LBYCH34		x	x	x	x	x	x	x	x	x	x
Biochemistry/LBYCH42	x	x	x	x	x	x	x	x	x	x	x
Biochemistry 2	x	x	x			x	x	x	x	x	x
Physics Fundamentals/LBYPHYD		x	x	x	x	x	x	x	x	x	x
Physics 2/LBYPHYE		x	x	x	x	x	x	x	x	x	x
College Algebra			x	x		x	x	x	x	x	x
Trigonometry			x	x		x	x	x	x	x	x
Biostatistics	x	x	x	x	x	x	x	x	x	x	x
General Education Courses											
Buhay, Mga Sinulat at Nagawa ni Rizal					x	x	x		x	x	x
Introductory Philosophy					x	x	x	x	x	x	x
Humanity's Search for Life					x	x	x	x	x	x	x
The Christian and the Word					x	x	x	x	x	x	x

Bioethics					X	X	X	X	X	X	X
The Christian Vocation of Life					X	X	X	X	X	X	X
Introduction to Literature					X	X	X		X	X	X
Introduction to Art					X	X	X		X	X	X
The Great Works					X	X	X	X	X	X	X
Integrated Social Science, Technology and Society 1	X	X			X	X	X	X	X	X	X
Integrated Social Science, Technology and Society 2	X	X			X	X	X	X	X	X	X
Basic Communication and Study Skills					X	X	X		X	X	X
Basic Research Skills/English for Specific Purpose					X	X	X	X	X	X	X
Oral Communication/ Advanced Speech Class					X	X	X		X	X	X
Komunikasyon sa Araling Filipino					X	X	X		X	X	X
Kasaysayan ng Pilipinas					X	X	X		X	X	X
Pagbabasa at Pagsusulat sa Iba't Ibang Disiplina/Larangan					X	X	X		X	X	X
Physical Fitness and Wellness							X		X	X	X
Physical Fitness and Wellness in Team Sports							X		X	X	X
Physical Fitness and Wellness in Individual/Dual Sports							X		X	X	X
Physical Fitness and Wellness in Dance							X		X	X	X
The Filipino Christian in a Changing World					X	X	X	X	X	X	X
Personal Effectiveness Foundation					X	X	X		X	X	X
Personal Effectiveness Formation					X	X	X		X	X	X
Integrating Course for Personal Effectiveness					X	X	X		X	X	X
La Sallian Recollection 1					X	X	X		X	X	X
La Sallian Recollection 2					X	X	X		X	X	X
La Sallian Recollection 3					X	X	X		X	X	X
National Service Training Program					X	X	X		X	X	X
CWTS Formation Phase/Military Science 1: ROTC					X	X	X		X	X	X
CWTS Community Phase/OTC Military Science 2: Service Oriented Module					X	X	X		X	X	X
Student Affairs Services 1000					X	X	X		X	X	X

*CHED Competency Standards for BS Biology (CHED Memorandum Order No. 24, Series 2005, Article IV)

- 1 Have an in-depth understanding of the basic principles governing biosciences
- 2 Be able to extend knowledge and understanding to a critical assessment of current views and theories in selected areas of the biosciences
- 3 Be able to perform basic biological and chemical technics in either a lab or fieldwork research setting
- 4 Be able to carry out basic mathematics and statistical computations
- 5 Have adequate technical writing skills and effective oral communication abilities
- 6 Develop critical, analytical, and problem solving skills
- 7 Develop the skills required for both autonomous practice and teamwork
- 8 Be able to think critically, solve problems, and appreciate the limitations and implications of science in everyday life
- 9 Develop an objective viewpoint for discerning information and analyzing biases of other people
- 10 Be precise in making observations and able to distinguish small differences between samples and events
- 11 Have a strong sense of ethical behavior

