



Republic of the Philippines
LEYTE NORMAL UNIVERSITY
COLLEGE OF ARTS AND SCIENCES

Bachelor of Science in Biology (BS BIOLOGY)
Specialization: Environmental Biology Effective SY
2022 – 2023

Program Description:

The BS Biology program is structured as a general framework of study with the end view of grounding students with the fundamental concepts, principles, and theories of the biological, natural, and physical sciences and the conduct of research. This includes the acquisition of appropriate skills, and training in the efficient processing and presentation of information in both written and oral form.

FIRST YEAR		FIRST SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
GE-101	Understanding the Self	3	NONE
GE-102	Readings in Philippine History	3	NONE
GE-104	Mathematics in the Modern World	3	NONE
PATHFit-1	Movement Competency Training	2	NONE
SCI-101	General Botany	3	NONE
SCI-101L	General Botany (Laboratory)	2	NONE
SCI-102	General Zoology	3	NONE
SCI-102L	General Zoology (Laboratory)	2	NONE
NSTP-101	National Service Training Program 1	3	NONE
TOTAL UNITS		24	

FIRST YEAR		SECOND SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
GE-103	The Contemporary World	3	NONE
GE-105	Purposive Communication	3	NONE
PATHFit-2	Exercise-based Fitness Activities	2	PATHFit-1
BTC-101	Biostatistics (Statistical Biology)	2	NONE
BTC-101L	Biostatistics (Statistical Biology–Laboratory)	1	NONE
BTC-102	Biotechniques	2	NONE
BTC-102L	Biotechniques (Laboratory)	1	NONE
BTC-103	Chemical Biology I (Organic Molecules)	2	NONE
BTC-103L	Chemical Biology I (Organic Molecules – Laboratory)	1	NONE
SCI-103	Systematics	3	SCI-101/SCI-102
SCI-103L	Systematics (Laboratory)	2	SCI-101L/SCI-102L
NSTP-102	National Service Training Program 2	3	NSTP-101
TOTAL UNITS		25	

SECOND YEAR		FIRST SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
GE-106	Art Appreciation	3	NONE
GE-107	Science, Technology and Society	3	NONE
GE-111	People and the Earth's Ecosystem (Elective)	3	NONE
PATHFit-3	Physical Activities Toward Health and Fitness 3 (Sports)	2	PATHFit-1 & PATHFit-2
BTC-104	Chemical Biology II (Analytical Methods for Biology)	2	NONE
BTC-104L	Chemical Biology II (Analytical Methods for Biology – Laboratory)	1	NONE
SCI-104	Microbiology	3	SCI-101/SCI-102
SCI-104L	Microbiology (Laboratory)	2	SCI-101L/SCI-102L
SCI-105	General Ecology	3	SCI-101/SCI-102
SCI-105L	General Ecology (Laboratory)	2	SCI-101L/SCI-102L
TOTAL UNITS		24	

SECOND YEAR		SECOND SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
GE-108	Ethics	3	NONE
GE-116	Gender and Society (Elective)	3	NONE
PATHFit-4	Physical Activities Toward Health and Fitness 4 (Dance)	2	PATHFit-1 & PATHFit-2
BTC-105	Chemical Biology III (Biomolecules)	3	BTC-103
BTC-105L	Chemical Biology III (Biomolecules – Laboratory)	2	BTC-103L
SCI-106	Evolutionary Biology	3	SCI-103
SCI-106L	Evolutionary Biology (Laboratory)	2	SCI-103L
SCI-107	Genetics	3	SCI-101/SCI-102
SCI-107L	Genetics (Laboratory)	2	SCI-101L/SCI-102L
TOTAL UNITS		23	

THIRD YEAR		FIRST SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
GE-109	The Life and Works of Rizal	3	NONE
GE-119	Philippine Popular Culture (Elective)	3	NONE
GE-129	Filipino sa Antas Tersyarya sa Iba't-Ibang Disiplina	3	NONE
BTC-106	Bioethics	3	NONE
SCI-108	Cell and Molecular Biology	3	SCI-101/SCI-102/BTC-105
SCI-108L	Cell and Molecular Biology (Laboratory)	2	SCI-101L/SCI-102L/ BTC-105L
SCI-109	General Physiology	3	SCI-101/SCI-102/ BTC-105
SCI-109L	General Physiology (Laboratory)	2	SCI-101L/SCI-102L/ BTC-105L
SCI-111	Thesis I: Preparation of Thesis Proposal	2	NONE
TOTAL UNITS		24	

THIRD YEAR		SECOND SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
BTC-107	Biophysics	2	NONE
BTC-107L	Biophysics (Laboratory)	2	NONE
EB-101	Community Ecology	3	NONE
EB-101L	Community Ecology (Laboratory)	2	NONE
EB-102	Freshwater Ecology	3	NONE
EB-102L	Freshwater Ecology (Laboratory)	2	NONE
SCI-110	Developmental Biology (Plants and Animals)	3	SCI-108
SCI-110L	Developmental Biology (Plants and Animals– Laboratory)	2	SCI-108L
SCI-112	Thesis II: Conduct of Experimental Research	2	SCI-111
TOTAL UNITS		21	

FOURTH YEAR		FIRST SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
EB-103	Marine Ecology	3	NONE
EB-103L	Marine Ecology (Laboratory)	2	NONE
EB-104	Terrestrial Ecology	3	NONE
EB-104L	Terrestrial Ecology (Laboratory)	2	NONE
EB-105	Biological Resource Management	3	NONE
EB-105L	Biological Resource Management (Laboratory)	2	NONE
SCI-113	Thesis III: Writing of Thesis Manuscript	2	SCI-112
SCI-115E	Environment Resource Assessment and Economic Valuation	3	NONE
SCI-116E	Rural and Urban Environmental Management	3	NONE
TOTAL UNITS		23	

FOURTH YEAR		SECOND SEMESTER	
Course Code	Descriptive Title	Units	Pre-requisite(s)
SCI-114	Practicum	3	All Major Courses
TOTAL UNITS		3	

SUMMARY	
Total Number of Units per CMO	Total No. of Units per LNU Realigned/Revised Curriculum
158	167

Components		No. of Units
A.	General Education Courses	30
B.	General Education Electives	9
C.	Fundamental Courses	50
D.	Biology Tool Courses (BTC)	18
E.	Specialization Courses	25
	1. EB-101 Community Ecology	
	2. EB-102 Freshwater Ecology	
	3. EB-103 Marine Ecology	
	4. EB-104 Terrestrial Ecology	
	5. EB-105 Biological Resource Management	
F.	Undergraduate Thesis	6
G.	Practicum	3
H.	Free Electives	6
I.	Mandatory Courses	14
		161
Add-on Courses:		
	Biology Tool Courses	
	1. Biotechniques	3
	2. Bioethics	3
		6
TOTAL NO. OF UNITS		167