



# LAGUNA UNIVERSITY

Laguna Sports Complex, Brgy. Bubukal, Santa Cruz, Laguna  
Tel. No. (049) 576-4359

## PROGRAM OF STUDY BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY Specialization: Systems Development Effective AY 2023-2024

FIRST YEAR											
1st semester						2nd semester					
Course Code	Course Title	No. of Hrs/w		Units	Prerequisite	Course Code	Course Title	No. of Hrs/w		Units	Prerequisite
		Lec	Lab					Lec	Lab		
GE 1	Understanding the Self	3	0	3	none	GE 5	The Contemporary World	3	0	3	none
GE 2	Readings in Philippine History	3	0	3	none	GE 6	Art Appreciation	3	0	3	none
GE 3	Mathematics In The Modern World	3	0	3	none	GE 7	Science, Technology And Society	3	0	3	none
GE 4	Purposive Communication	3	0	3	none	GE 8	Ethics	3	0	3	none
MST 01	Environmental Science	3	0	3	none	MST 02	Living in the IT Era	3	0	3	none
PE 1 (PATHFIT)	Movement Competency Training	2	0	[2]	none	PE 2 (PATHFIT)	Exercise-based Fitness Activities	2	0	[2]	PE 1 (PATHFIT 1)
NSTP 1	National Service Training Program 1	3	0	[3]	none	NSTP 2	National Service Training Program 2	3	0	[3]	NSTP 1
CC 1100	Introduction to Computing	2	3	3	none	CC 1202	Computer Programming 2 (Intermediate Programming)	2	3	3	CC 1101
CC 1101	Computer Programming 1 (Fundamentals of Program	2	3	3	none	IT 1201	Discrete Mathematics	3	0	3	CC 1101
Total No. of Units				21 [5]		Total No. of Units				21 [5]	

SECOND YEAR											
1st semester						2nd semester					
Course Code	Course Title	No. of Hrs/w		Units	Prerequisite	Course Code	Course Title	No. of Hrs/w		Units	Prerequisite
		Lec	Lab					Lec	Lab		
SSP 04	The Entrepreneurial Mind	3	0	3	none	GEM	Life and Works of Rizal	3	0	3	none
PE 3 (PATHFIT)	Menu of Dance	2	0	[2]	PE 2 (PATHFIT 2)	PE 4 (PATHFIT)	Sports	2	0	[2]	PE 2 (PATHFIT 2)
CC 2103	Data Structures and Algorithms	2	3	3	CC 1202	IT 2206	Database Management System	2	3	3	CC 2104
CC 2104	Information Management	2	3	3	CC 1202	IT 2207	Object Oriented Programming(Java)	2	3	3	IT 2105
IT 2102	Web Systems and Technologies	2	3	3	CC 1202	IT 2208	Quantitative Method (incl. Modeling and Simulation)	3	0	3	IT 1201
IT 2103	Human Computer Interaction 1	3	0	3	CC 1202	IT 2209	Social and Professional Issues	3	0	3	none
IT 2104	Integrative Programming and Technologies 1	2	3	3	CC 1202	IT 2210	Human Computer Interaction 2	2	3	3	IT 2103
IT 2105	Object Oriented Programming (Python)	2	3	3	CC 1202	IT 2211	Integrative Programming and Technologies 2	2	3	3	IT 2104
Total No. of Units				21 [2]		Total No. of Units				21 [2]	

Summer					
Course Code	Course Title	No. of Hrs/w		Units	Prerequisite
		Lec	Lab		
IT 3012	System Integration and Architecture 1	2	3	3	IT 2211
IT 3013	Networking 1	2	3	3	CC 1100
Total No. of Units				6	

LOUPEL B. GUETA  
Education Supervisor II  
CHILDRO IVA

THIRD YEAR											
1st semester						2nd semester					
Course Code	Course Title	No. of Hrs/w		Units	Prerequisite	Course Code	Course Title	No. of Hrs/w		Units	Prerequisite
		Lec	Lab					Lec	Lab		
CC 3105	Applications Development and Emerging Technologies	2	3	3	3rd Yr Standing	IT 3217	Information Assurance and Security 2	2	3	3	IT 3114
IT 3114	Information Assurance and Security 1	2	3	3	IT 3012	IT 3218	Platform Technologies	3	0	3	IT 2102
IT 3115	System Integration and Architecture 2	2	3	3	IT 3012	IT 3219	Capstone Project and Research 1	3	0	3	3rd Yr Standing
IT 3116	Networking 2	2	3	3	IT 3013	SD-3203	Software Engineering 2	2	3	3	3rd Yr Standing
SD-3101	Software Engineering 1	2	3	3	3rd Yr Standing	SD-3204	IT Project Management	3	0	3	3rd Yr Standing
SD-3102	Systems Analysis and Design	2	3	3	3rd Yr Standing	Total No. of Units				15	
Total No. of Units				18		Total No. of Units				15	

FOURTH YEAR											
1st semester						2nd semester					
Course Code	Course Title	No. of Hrs/w		Units	Prerequisite	Course Code	Course Title	No. of Hrs/w		Units	Prerequisite
		Lec	Lab					Lec	Lab		
IT 4120	System Administration and Maintenance	2	3	3	IT 3217	IT 4222	Practicum (486 Hours)	0	6	6	4th Yr Standing
IT 4121	Capstone Project and Research 2	3	0	3	4th Yr Standing	Total No. of Units				6	
Total No. of Units				6		Total No. of Units				6	

TOTAL NO. OF UNITS 149