



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: Business Analytics 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 Programming)	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. CUETA
Education Specialist II
CHEDRO 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	BA-3203	Fundamentals of Enterprise Data Management	2	3	3	3rd Yr Standing
BA-3101	Fundamentals of Business Analytics	3	0	3	3rd Yr Standing	BA-3204	Analytics Techniques and Tools	2	3	3	3rd Yr Standing
BA-3102	Fundamentals of Analytics Modeling	3	0	3	3rd Yr Standing	BA-3205	Analytics Application	2	3	3	3rd Yr Standing
Total No. of Units					18	Total No. of Units					18

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 hrs)	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 152