

UNIVERSITY OF PERPETUAL HELP SYSTEM LAGUNA  
College of Computer Studies  
Sto. Niño, Biñan City, Laguna

**Bachelor of Science in Computer Science**  
Curriculum Year **2019 - 2020**

**First Year**

**First Semester**

SUBJECT CODE	SUBJECT NAME/DESCRIPTION	HOURS		UNITS		PRE-REQUISITE
		LEC.	LAB.	LEC.	LAB.	
BCS1101	DISCRETE STRUCTURES 1	3.0	0.0	3.0	0.0	
CCS1101	INTRODUCTION TO COMPUTING (Lec)	2.0	0.0	2.0	0.0	
CCS1101L	INTRODUCTION TO COMPUTING (Lab)	0.0	3.0	0.0	1.0	
CCS1102	FUNDAMENTALS OF PROGRAMMING (Lec)	2.0	0.0	2.0	0.0	
CCS1102L	FUNDAMENTALS OF PROGRAMMING (Lab)	0.0	3.0	0.0	1.0	
FCL100	The Perpetualite: The Identity and Dignity	2.0	0.0	2.0	0.0	
GEC100	ART APPRECIATION	3.0	0.0	3.0	0.0	
GEC500	MATHEMATICS IN THE MODERN WORLD	3.0	0.0	3.0	0.0	
GEE300	GENDER AND SOCIETY	3.0	0.0	3.0	0.0	
NST100	National Service Training Program I	3.0	0.0	3.0	0.0	
PHE100	Self Testing Activities	2.0	0.0	2.0	0.0	
<b>TOTAL</b>		<b>23.0</b>	<b>6.0</b>	<b>23.0</b>	<b>2.0</b>	
<b>TOTAL ACADEMIC UNIT(S): 25.0</b>						

**Second Semester**

BCS1202	DISCRETE STRUCTURES 2	3.0	0.0	3.0	0.0	BCS1101
CCS1203	PROGRAMMING 2 (Lec)	2.0	0.0	2.0	0.0	CCS1102
CCS1203L	PROGRAMMING 2 (Lab)	0.0	3.0	0.0	1.0	CCS1102L
FCL200	The Perpetualite: A Man of God	2.0	0.0	2.0	0.0	
GEC600	PURPOSIVE COMMUNICATION	3.0	0.0	3.0	0.0	
GEC800	UNDERSTANDING THE SELF	3.0	0.0	3.0	0.0	
GEE200	ENVIRONMENTAL SCIENCE	3.0	0.0	3.0	0.0	
NST200	National Service Training Program 2	3.0	0.0	3.0	0.0	
PHE201	Rhythmic Activities	2.0	0.0	2.0	0.0	PHE100
<b>TOTAL</b>		<b>21.0</b>	<b>3.0</b>	<b>21.0</b>	<b>1.0</b>	
<b>TOTAL ACADEMIC UNIT(S): 22.0</b>						

**Second Year**

**First Semester**

BIT2103	NETWORKING AND COMMUNICATION 1 Lec	2.0	0.0	2.0	0.0	
BIT2103L	NETWORKING AND COMMUNICATION 1 Lab	0.0	3.0	0.0	1.0	
BIT2104	GRAPHICS AND VISUAL COMPUTING Lec	2.0	0.0	2.0	0.0	CCS1203
BIT2104L	GRAPHICS AND VISUAL COMPUTING Lab	0.0	3.0	0.0	1.0	CCS1203L
BIT2105	SOCIAL AND PROFESSIONAL ISSUES	3.0	0.0	3.0	0.0	
CCS2104	DATA STRUCTURES (Lec)	2.0	0.0	2.0	0.0	CCS1203
CCS2104L	DATA STRUCTURES (Lab)	0.0	3.0	0.0	1.0	CCS1203L
FCL300	The Perpetualite: Called to Perfection	2.0	0.0	2.0	0.0	
GEC300	THE CONTEMPORARY WORLD	3.0	0.0	3.0	0.0	
GEE100	LIVING IN THE IT ERA	2.0	3.0	2.0	1.0	
PHE301	Individual/Dual Sports(MARTIAL ARTS)	2.0	0.0	2.0	0.0	PHE201
<b>TOTAL</b>		<b>18.0</b>	<b>12.0</b>	<b>18.0</b>	<b>4.0</b>	
<b>TOTAL ACADEMIC UNIT(S): 22.0</b>						

**Second Semester**

BCS2203	Design and Analysis of Algorithm (Lec)	2.0	0.0	2.0	0.0	CCS2104
BCS2203L	Design and Analysis of Algorithm (Lab)	0.0	3.0	0.0	1.0	CCS2104L
BCS2204	COMPUTATIONAL SCIENCE	3.0	0.0	3.0	0.0	
BCSELEC1	Math Elective	3.0	0.0	3.0	0.0	
BIT1202	HUMAN COMPUTER INTERACTION 1 Lec	2.0	0.0	2.0	0.0	BIT2104
BIT1202L	HUMAN COMPUTER INTERACTION 1 Lab	0.0	3.0	0.0	1.0	BIT2104L
CCS2205	DATABASE SYSTEM 1 (INFORMATION MANAGEMENT) Lec	2.0	0.0	2.0	0.0	CCS2104
CCS2205L	DATABASE SYSTEM 1 (INFORMATION MANAGEMENT) Lab	0.0	3.0	0.0	1.0	CCS2104L
FCL400	The Perpetualite: A Man for Others	2.0	0.0	2.0	0.0	
GEC400	READINGS IN PHILIPPINE HISTORY	3.0	0.0	3.0	0.0	
PHE401	Team Sports	2.0	0.0	2.0	0.0	PHE301
<b>TOTAL</b>		<b>19.0</b>	<b>9.0</b>	<b>19.0</b>	<b>3.0</b>	
<b>TOTAL ACADEMIC UNIT(S): 22.0</b>						

**Third Year**

**First Semester**

BCS3105	AUTOMATA THEORY AND FORMAT LANGUAGES	3.0	0.0	3.0	0.0	BCS2203
BCS3106	OBJECT ORIENTED PROGRAMMING Lec	2.0	0.0	2.0	0.0	BCS2203

BCS3106L	OBJECT ORIENTED PROGRAMMING Lab	0.0	3.0	0.0	1.0	BCS2203L
BCS3107	COMPUTER ORGANIZATION WITH ASSEMBLY LANGUAGE (Lec)	2.0	0.0	2.0	0.0	BCS2203L
BCS3107L	COMPUTER ORGANIZATION WITH ASSEMBLY LANGUAGE (Lab)	0.0	3.0	0.0	1.0	
BIT3112	ARTIFICIAL INTELLIGENCE	3.0	0.0	3.0	0.0	BIT2104
BIT3113	DATA MINING Lec	2.0	0.0	2.0	0.0	CCS2205
BIT3113L	DATA MINING Lab	0.0	3.0	0.0	1.0	CCS2205L
FCL500	The Perpetualite: A Filipino Christian Leader	2.0	0.0	2.0	0.0	
GEC700	SCIENCE, TECHNOLOGY AND SOCIETY	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>17.0</b>	<b>9.0</b>	<b>17.0</b>	<b>3.0</b>	

**TOTAL ACADEMIC UNIT(S): 20.0****Second Semester**

BCS3208	SOFTWARE ENGINEERING (Lec)	2.0	0.0	2.0	0.0	BCS3106
BCS3208L	SOFTWARE ENGINEERING (Lab)	0.0	3.0	0.0	1.0	BCS3106L
BCS3209	PROGRAMMING LANGUAGES Lec	2.0	0.0	2.0	0.0	BCS3106
BCS3209L	PROGRAMMING LANGUAGES Lab	0.0	3.0	0.0	1.0	BCS3106L
BCS3210	PARALLEL AND DISTRIBUTED COMPUTING	3.0	0.0	3.0	0.0	BCS3107
BIT3215	HUMAN COMPUTER INTERACTION 2 Lec	2.0	0.0	2.0	0.0	BIT1202
BIT3215L	HUMAN COMPUTER INTERACTION 2 Lab	0.0	3.0	0.0	1.0	BIT1202L
BIT3217	BUSINESS INTELLIGENCE	3.0	0.0	3.0	0.0	BIT3112
FCL600	The Perpetualite: A Minister of Life	2.0	0.0	2.0	0.0	
GEC200	ETHICS	3.0	0.0	3.0	0.0	
RIZ100	THE LIFE AND WORKS OF RIZAL	3.0	0.0	3.0	0.0	
<b>TOTAL</b>		<b>20.0</b>	<b>9.0</b>	<b>20.0</b>	<b>3.0</b>	

**TOTAL ACADEMIC UNIT(S): 23.0****SUMMER**

BCS3311	OJT / PRACTICUM	3.0	0.0	3.0	0.0	3rd Yr
<b>TOTAL</b>		<b>3.0</b>	<b>0.0</b>	<b>3.0</b>	<b>0.0</b>	

**TOTAL ACADEMIC UNIT(S): 3.0****Fourth Year****First Semester**

BCS4112	THESIS 1	3.0	0.0	3.0	0.0	
BCS4113	INFORMATION ASSURANCE AND SECURITY Lec	2.0	0.0	2.0	0.0	
BCS4113L	INFORMATION ASSURANCE AND SECURITY Lab	0.0	3.0	0.0	1.0	BCS3208L
BCS4114	OPERATING SYSTEM CONFIGURATION AND USE (Lec)	2.0	0.0	2.0	0.0	BCS3209
BCS4114L	OPERATING SYSTEM CONFIGURATION AND USE (Lab)	0.0	3.0	0.0	1.0	BCS3209L
BIT4120	SYSTEM FUNDAMENTALS Lec	2.0	0.0	2.0	0.0	
BIT4120L	SYSTEM FUNDAMENTALS Lab	0.0	3.0	0.0	1.0	
FCL700	The Perpetualite: A Character and Nation Builder	2.0	0.0	2.0	0.0	
<b>TOTAL</b>		<b>11.0</b>	<b>9.0</b>	<b>11.0</b>	<b>3.0</b>	

**TOTAL ACADEMIC UNIT(S): 14.0****Second Semester**

BCS4115	THESIS 2	3.0	0.0	3.0	0.0	BCS4112
BIT2208	WEB SYSTEMS & TECHNOLOGIES Lec	2.0	0.0	2.0	0.0	BIT2103
BIT2208L	WEB SYSTEMS & TECHNOLOGIES Lab	0.0	3.0	0.0	1.0	BIT2103L
CCS4206	APPLICATION DEVELOPMENT AND EMERGING TECHNOLOGIES	3.0	0.0	3.0	0.0	
FCL800	The Perpetualite: A Helper of God	2.0	0.0	2.0	0.0	
<b>TOTAL</b>		<b>10.0</b>	<b>3.0</b>	<b>10.0</b>	<b>1.0</b>	

**TOTAL ACADEMIC UNIT(S): 11.0**

**Total academic units for course Bachelor of Science in Computer Science: 162.0, Lecture Unit = 142.0, Lab Unit=20.0**