

# Colegio de San Juan de Letran Calamba

Bo. Bucal, City of Calamba, Laguna

## BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Curriculum Year 2022-2023

Course Code	Course Title	Lec	Lab		Total	PRE-REQUISITES/ CO-REQUISITES
		Units/Hrs	Units	Hrs		
<b>FIRST YEAR, First Semester</b>						
COMP303	Introduction to Computing	3			3	
COMP312	Computer Programming I	2			2	co req COMP311L
COMP311L	Computer Programming I Lab		1	3	1	co req COMP312
CSIT332	Intro to Human Computer Interaction	2			2	co-req CSIT331L
CSIT331L	Intro to Human Computer Interaction Lab		1	3	1	co-req CSIT332
GEC063	Purposive Communication	3			3	
NSTP1-18	National Service Training Program 1	3			3	
PATHFIT1002	Movement Competency Training	2			2	
RELED051	The Catholic Christian Faith	1			1	
	<b>Total</b>	<b>16</b>	<b>2</b>	<b>6</b>	<b>18</b>	
<b>FIRST YEAR, Second Semester</b>						
COMP042	Data Structures and Algorithms	2			2	CSIT332, co-req COMP041L
COMP041L	Data Structures and Algorithms Lab		1	3	1	CSIT331L, co-req COMP042
COMP332	Computer Programming II	2			2	COMP312, COMP311L co req COMP331L
COMP331L	Computer Programming II Lab		1	3	1	COMP311L, co req COMP332
FIL083	Komunikasyon Sa Akademikong Filipino	3			3	
GEC003	Understanding the Self	3			3	
GEC073	Ethics	3			3	
LQEC931	Letran Quality Enrichment Course 93		1	3	1	
NSTP2-18	National Service Training Program 2	3			3	NSTP1-18
PATHFIT2022	Exercise-Based Fitness	2			2	PATHFIT1002
	<b>Total</b>	<b>18</b>	<b>3</b>	<b>9</b>	<b>21</b>	
<b>SECOND YEAR, First Semester</b>						
COMP112	Information Management	2			2	COMP042, COMP041L, co req COMP111L
COMP111L	Information Management Lab		1	3	1	COMP041L, co req COMP112
CSIT252	Networking	2			2	COMP303, co-req CSIT251L
CSIT251L	Networking Lab		1	3	1	COMP303, co-req CSIT252
CSIT323A	Discrete Structures I	3			3	COMP042, COMP041L
CSIT362	Object-Oriented Programming	2			2	COMP332, COMP331L, co req CSIT361L
CSIT361L	Object-Oriented Programming Lab		1	3	1	COMP331L, co req CSIT362
FIL093	Pagbasa at Pagsulat Tungo sa Pananaliksik	3			3	FIL083
GEC053	Art Appreciation	3			3	
MATH065	Differential Calculus with Analytic Geometry	5			5	
PATHFIT3032	Individual/Dual Sports	2			2	PATHFIT1002, PATHFIT2022
RELED063	Contemporary Issues in Christian Marriage	3			3	RELED051
	<b>Total</b>	<b>25</b>	<b>3</b>	<b>9</b>	<b>28</b>	
<b>SECOND YEAR, Second Semester</b>						
CSIT142A	Software Engineering I	2			2	COMP112, co req CSIT141A-L
CSIT141A-L	Software Engineering I Lab		1	3	1	COMP111L, co req CSIT142A
CSIT153	Algorithms and Complexity	3			3	COMP042, COMP041L
CSIT163	Architecture and Organization	3			3	CSIT252, CSIT251L
CSIT401A-L	Robotics I		1	3	1	CSIT252, CSIT251L
GEC023	Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas	3			3	
LQEC941	Letran Quality Enrichment Course 94		1	3	1	LQEC931
MATH195	Integral Calculus with Differential Equation	5			5	MATH065
PATHFIT4042	Contemporary Dance	2			2	PATHFIT1002, PATHFIT2022
RELED073	Contemporary Issues About Church and Human Society with Immersion	3			3	RELED051
	<b>Total</b>	<b>21</b>	<b>3</b>	<b>9</b>	<b>24</b>	
<b>THIRD YEAR, First Semester</b>						
CSElec-1	CS Elective 1	3			3	CSIT153
CSIT142B	Software Engineering II	2			2	CSIT142A, CSIT141A-L, co req CSIT141B-L
CSIT141B-L	Software Engineering II Lab		1	3	1	CSIT141A-L, co req CSIT142B
CSIT323B	Discrete Structures II	3			3	CSIT323A
CSIT392	Programming Languages	2			2	CSIT153, co req CSIT391L
CSIT391L	Programming Languages Lab		1	3	1	co req CSIT392
CSIT401B-L	Robotics II		1	3	1	CSIT401A-L
FIL113	Panitikang Filipino	3			3	FIL093
GEC033	Mathematics in the Modern World	3			3	
GEC043	Contemporary World	3			3	
	<b>Total</b>	<b>19</b>	<b>3</b>	<b>9</b>	<b>22</b>	

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		Units/Hrs	Units	Units	Hrs		
<b>THIRD YEAR, Second Semester</b>							
COMP462	Applications Development & Emerging Technologies	2				2	CSIT392, co req COMP461L
COMP461L	Applications Development & Emerging Technologies Lab		1	3		1	CSIT391L, co req COMP462
CSElec-2	CS Elective 2	3				3	CSElec-1
CSIT192	Operating Systems	2				2	CSIT142B, co req CSIT191L
CSIT191L	Operating Systems Lab		1	3		1	CSIT141B-L, co req CSIT192
CSIT273	Automata Theory and Formal Languages	3				3	CSIT392, CSIT391L
CSIT342	Information Assurance and Security	2				2	CSIT142B, co-req CSIT341L
CSIT341L	Information Assurance and Security Lab		1	3		1	CSIT141B-L, co-req CSIT342
CSIT382	Software Quality Assurance	2				2	CSIT142B, co-req CSIT381L
CSIT381L	Software Quality Assurance Lab		1	3		1	CSIT141B-L, co-req CSIT382
GEC013	Science, Technology, and Society	3				3	
LQEC951	Letran Quality Enrichment Course 95		1	3		1	LQEC941
	<b>Total</b>	<b>17</b>	<b>5</b>	<b>15</b>		<b>22</b>	
<b>THIRD YEAR, Inter-Semester</b>							
CS-THS1	CS Thesis I	3				3	CSIT382, CSIT381L
	<b>Total</b>	<b>3</b>				<b>3</b>	
<b>FOURTH YEAR, First Semester</b>							
CSElec-3	CS Elective 3	3				3	CSElec-2
CSIT183	Social Issues and Professional Practice	3				3	CSIT382, CSIT381L
CS-THS2	CS Thesis II	3				3	CS-THS1 co req MATH293
LQEC961	Letran Quality Enrichment Course 96		1	3		1	LQEC951
MATH293	Probability and Statistics	3				3	co-req CS-THS2
RZL023	Buhay at Mga Akda ni Rizal	3				3	
	<b>Total</b>	<b>15</b>	<b>1</b>	<b>3</b>		<b>16</b>	
<b>FOURTH YEAR, Second Semester</b>							
CS-PRC6	*Internship (600 hrs)	6				6	CS-THS2
	<b>Total</b>	<b>6</b>				<b>6</b>	
<b>GRAND TOTAL</b>						<b>160</b>	

*\*Practicum - No simultaneous enrolment is allowed.*