

Colegio de San Juan de Letran Calamba

Brgy. Bucal, City of Calamba, Laguna

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Curriculum Year 2020-2021

COURSE CODE	COURSE TITLE	Lec		Lab		TOTAL	PRE-REQUISITES/ CO-REQUISITES
		Units/Hrs	Units	Units	Hrs		
FIRST YEAR, First Semester							
CE002	Civil Engineering Orientation	2				2	
CHM081L	Chemistry for Engineers Lab			1	3	1	
CHM083	Chemistry for Engineers	3				3	
FIL083	Komunikasyon sa Akademikong Filipino	3				3	
GEC013	Science, Technology, and Society	3				3	
GEC023	Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas	3				3	
GEC033	Mathematics in the Modern World	3				3	
MATH155A	Calculus 1	5				5	
NSTP1-18	National Service Training Program 1	3				3	
PE002-18	Physical Fitness and Related Activities	2				2	
RELED051	The Catholic Christian Faith	1				1	
	Total	28	1	3		29	
FIRST YEAR, Second Semester							
CoENG002L	Computer Fundamentals and Programming			2	6	2	
DRW001L	Engineering Drawing and Plans			1	3	1	
FIL093	Pagbasa at Pagsulat Tungo sa Pananaliksik	3				3	FIL083
GEC043	The Contemporary World	3				3	
LQEC763	Letran Quality Enrichment Course 76	3				3	
MATH155B	Calculus 2	5				5	MATH155A
NSTP2-18	National Service Training Program 2	3				3	NSTP1-18
PE022-18	Rhythmic Activities	2				2	PE002-18
PHY081L	Physics for Engineers Lab			1	3	1	MATH155A, co req PHY083
PHY083	Physics for Engineers	3				3	MATH155A, co req PHY081L
	Total	22	4	12		26	
SECOND YEAR, First Semester							
CE011L	Fundamentals of Surveying Lab			1	3	1	DRW001L, co req CE013
CE013	Fundamentals of Surveying	3				3	DRW001L, co req CE011L
DRW051L	Computer Aided Drafting			1	3	1	DRW001L
ENGG003	Statics of Rigid Bodies	3				3	MATH155B, PHY083, PHY081L
FIL113	Panitikang Filipino	3				3	FIL093
GEC003	Understanding the Self	3				3	
GEC053	Art Appreciation	3				3	
GEO012	Geology for Civil Engineers	2				2	CHM083, CHM081L
MATH223	Differential Equations	3				3	MATH155B
PE032-18	Individual/Dual Sports	2				2	PE002-18
RELED063	Contemporary Issues in Christian Marriage	3				3	RELED051
	Total	25	2	6		27	
SECOND YEAR, Second Semester							
CE022	Construction Materials and Testing	2				2	ENGG003, co req CE021L, ENGG064
CE021L	Construction Materials and Testing Lab			1	3	1	ENGG003, co req CE022, ENGG064
CE043	Highway and Railroad Engineering	3				3	ENGG003, CE013, CE011L
ENGG002	Dynamics of Rigid Bodies	2				2	ENGG003, co req ENGG064
ENGG064	Mechanics of Deformable Bodies	4				4	ENGG003, co req CE022, CE021L, ENGG002
ENGG112	Engineering Management	2				2	
GEC073	Ethics	3				3	
LQEC773	Letran Quality Enrichment Course 77	3				3	LQEC763
MATH323	Engineering Data Analysis	3				3	
PE042-18	Team Sports	2				2	PE002-18
RELED073	Contemporary Issues about Church and Human Society with Immersion	3				3	RELED051
	Total	27	1	3		28	
SECOND YEAR, Inter-Semester							
CE033	Structural Theory	3				3	ENGG002, ENGG064, co req CE031L
CE031L	Structural Theory Lab			1	3	1	ENGG002, ENGG064, co req CE033
	Total	3	1	3		4	
THIRD YEAR, First Semester							
CE073	Principles of Reinforced/Prestressed Concrete	3				3	CE033, CE031L, co req CE071L
CE071L	Principles of Reinforced/Prestressed Concrete Lab			1	3	1	CE033, CE031L, co req CE073
CE082	Hydrology	2				2	ENGG002, ENGG064, co req CE094, CE091L
CE094	Hydraulics	4				4	ENGG002, ENGG064, co req CE082, CE091L
CE091L	Hydraulics Lab			1	3	1	ENGG002, ENGG064, co req CE082, CE094
CE123	Principles of Transportation Engineering	3				3	CE043
ENGG103	Engineering Economics	3				3	
ENGG253	Engineering Utilities 1	3				3	PHY083, PHY081L, co req ENGG263
ENGG263	Engineering Utilities 2	3				3	PHY083, PHY081L, co req ENGG253
GEC063	Purposive Communication	3				3	
MATH332	Numerical Solutions to CE Problems	2				2	MATH223, co req MATH331L
MATH331L	Numerical Solutions to CE Problems Lab			1	3	1	MATH223, co req MATH332
	Total	26	3	9		29	
THIRD YEAR, Second Semester							
CE-PJ1	CE Project 1	1				1	CE073, CE071L, CE094, CE091L, CE123, co req CE-PJ1-L
CE-PJ1-L	CE Project 1 Lab			1	3	1	CE073, CE071L, CE094, CE091L, CE123, co req CE-PJ1
CE-SP1	CE Specialized Course 1	3				3	CE073, CE071L, co req CE062, CE061L
CE-SP2	CE Specialized Course 2	3				3	CE073, CE071L, co req CE062, CE061L
CE052	Building Systems Design	2				2	DRW051L, co req CE051L
CE051L	Building Systems Design Lab			1	3	1	DRW051L, co req CE052
CE062	Principles of Steel Design	2				2	CE073, CE071L, co req CE061L, CE-SP1, CE-SP2
CE061L	Principles of Steel Design Lab			1	3	1	CE073, CE071L, co req CE062, CE-SP1, CE-SP2
CE113	Geotechnical Engg 1-Soil Mechanics	3				3	CE033, CE031L, ENGG064, GEO012, co req CE111L
CE111L	Geotechnical Engg 1-Soil Mechanics Lab			1	3	1	CE033, CE031L, ENGG064, GEO012, co req CE113
ENGG193	Technopreneurship	3				3	ENGG112
LQEC783	Letran Quality Enrichment Course 78	3				3	LQEC773
	Total	20	4	12		24	

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THIRD YEAR, Inter-Semester							
CE-PRC	On-the-Job Training (300 hrs)	2				2	CE062, CE113, co-req CE-PRC-L
CE-PRC-L	On-the-Job Training Lab		1	3		1	CE062, CE113, co-req CE-PRC
	Total	2	1	3		3	
FOURTH YEAR, First Semester							
CE-PJ2	CE Project 2	1				1	CE-PJ1, CE-PJ1-L, co req CE-PJ2-L
CE-PJ2-L	CE Project 2 Lab		1	3		1	CE-PJ1, CE-PJ1-L, co req CE-PJ2
CE-SP3	CE Specialized Course 3	3				3	CE073, CE071L
CE-SP4	CE Specialized Course 4	3				3	CE062, CE061L
CE-SP5	CE Specialized Course 5	3				3	CE062, CE061L, CE073, CE071L
CE102	CE Laws, Ethics, and Contracts	2				2	CE-PRC, CE-PRC-L
CE131	Quantity Surveying	1				1	CE052, CE051L, co req CE131L
CE131L	Quantity Surveying Lab		1	3		1	CE052, CE051L, co req CE131
CE153	Construction Methods and Project Management	3				3	CE-PRC, CE-PRC-L
RZL023	Buhay at Mga Akda ni Rizal	3				3	
	Total	19	2	6		21	
FOURTH YEAR, Second Semester							
CE-ST112	Special Topics for CE	12				12	CE-SP3, CE-SP4
	Total	12				12	
GRAND TOTAL						203	

**Practicum - No simultaneous enrollment is allowed.*

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