

Colegio de San Juan de Letran Calamba

Brgy. Bucal, City of Calamba, Laguna

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Modified Curriculum Year 2018-2019 (For Incoming I Yr.)

COURSE CODE	COURSE TITLE	Lec Units/Hours	Lab Units Hrs	TOTAL	PRE-REQUISITES/ CO-REQUISITES
FIRST YEAR, First Semester					
CHM083	Chemistry for Engineers	3		3	
GEC013	Science, Technology, and Society	3		3	
GEC043	The Contemporary World	3		3	
GEC053	Art Appreciation	3		3	
MATH153A	Calculus 1	3		3	
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	21		21	
FIRST YEAR, Second Semester					
CHM081L	Chemistry for Engineers Lab		1 3	1	CHM083
CoENG002L	Computer Fundamentals and Programming		2 6	2	
Drw051L	Computer Aided Drafting		1 3	1	
GEC033	Mathematics in the Modern World	3		3	
LQEC503	Letran Quality Enrichment Course 50	3		3	
MATH153B	Calculus 2	3		3	MATH153A, co req PHY083, PHY081L
NSTP2-18	National Service Training Program 2	3		3	NSTP1-18
PE022-18	Rhythmic Activities	2		2	PE002-18
PHY083	Physics for Engineers	3		3	MATH153A, co req MATH153B, PHY081L
PHY081L	Physics for Engineers Lab		1 3	1	MATH153A, co req MATH153B, PHY083
	Total	17	5 15	22	
SECOND YEAR, First Semester					
ECON013	Principles of Economics	3		3	
FIL083	Komunikasyon sa Akademikong Filipino	3		3	
GEC023	Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas	3		3	
IE013A	Statistical Analysis for Industrial Engineers 1	3		3	MATH153B
IE082A	Industrial Materials and Processes	2		2	CHM083, CHM081L, DRW051L, PHY083, PHY081L, co req IE081A-L
IE081A-L	Industrial Materials and Processes Lab		1 3	1	CHM083, CHM081L, DRW051L, PHY083, PHY081L, co req IE082A
LQEC513	Letran Quality Enrichment Course 51	3		3	LQEC503
MATH223	Differential Equations	3		3	MATH153B
PE032-18	Individual/Dual Sports	2		2	PE002-18
RELED063	Contemporary Issues in Christian Marriage	3		3	RELED051
RZL023	Buhay at Mga Akda ni Rizal	3		3	
	Total	28	1 3	29	
SECOND YEAR, Second Semester					
ACT033D	Financial Accounting	3		3	ECON013
ENGG083	Environmental Science and Engineering	3		3	CHM083, CHM081L
FIL093	Pagbasa at Pagsulat Tungo sa Pananaliksik	3		3	FIL083
GEC003	Understanding the Self	3		3	
GEC063	Purposive Communication	3		3	
IE213	Work Study and Measurement	3		3	IE082A, IE081A-L, IE013A, co req IE211L
IE211L	Work Study and Measurement Lab		1 3	1	IE013A, IE082A, IE081A-L, co req IE213
IE253	Advanced Mathematics for Industrial Engineering	3		3	MATH223
PE042-18	Team Sports	2		2	PE002-18
	Total	23	1 3	24	
THIRD YEAR, First Semester					
ACT043D	Managerial Accounting	3		3	ACT033D
ENGG013	Engineering Mechanics	3		3	MATH153B, PHY083, PHY081L
ENGG073	Thermodynamics	3		3	MATH 223
GEC073	Ethics	3		3	
IElec-1	IE Elective 1	3		3	IE213, IE211L, IE253
IE032A	Ergonomics 1	2		2	IE082A, IE081A-L, IE213, IE211L, co req IE031A-L
IE031A-L	Ergonomics 1 Lab		1 3	1	IE082A, IE081A-L, IE213, IE211L, co req IE032A
IE113C	Operations Research 1	3		3	IE213, IE211L, IE253
IE203	Industrial Organization and Management	3		3	IE213, IE211L
LQEC523	Letran Quality Enrichment Course 52	3		3	LQEC513
	Total	26	1 3	27	
THIRD YEAR, Second Semester					
ENGG103	Engineering Economics	3		3	ACT043D
FIL113	Panitikang Filipino	3		3	FIL093
IE013B	Statistical Analysis for Industrial Engineers 2	3		3	IE013A
IE032B	Ergonomics 2	2		2	IE032A, IE031A-L, co req IE031B-L
IE031B-L	Ergonomics 2 Lab		1 3	1	IE032A, IE031A-L, co req IE032B
IE113D	Operations Research 2	3		3	IE113C
IE223	Quality Management Systems	3		3	IE213, IE211L
IElec-2	IE Elective 2	3		3	IElec-1
IE-PF	Project Feasibility	2		2	ACT043D, co req IE-PF-L
IE-PF-L	Project Feasibility Lab		1 3	1	ACT043D, co req IE-PF
RELED073	Contemporary Issues About Church and Human Society with Immersion	3		3	RELED051
	Total	25	2 6	27	

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COURSE CODE	COURSE TITLE	Lec		Lab		TOTAL	PRE-REQUISITES/ CO-REQUISITES
		Units/Hours	Units	Units	Hrs		
THIRD YEAR, Inter-Semester							
IElec-3	IE Elective 3	3				3	IElec-2
IE243	Operations Management	3				3	IE113C, IE223, co req IE241L
IE241L	Operations Management Lab		1	3		1	IE113C, IE223, co req IE243
	Total	6	1	3		7	
FOURTH YEAR, First Semester							
EE013B	Elementary Electrical Engineering	3				3	PHY083, PHY081L
ENGG183	Basic Occupational Safety and Health	3				3	IE213, IE211L
ENGG193	Technopreneurship	3				3	ENGG103
IE233	Systems Engineering	3				3	IE243, IE241L
IE263	Supply Chain Management	3				3	IE032B, IE113D, IE243, IE241L
IE273	Information Systems	3				3	CoENG002L
IE-CP	IE Capstone Project	1				1	IE032B, IE031B-L, IELEC-3, co req IE-CP-L
IE-CP-L	IE Capstone Project Lab		2	6		2	IE032B, IE031B-L, IELEC-3, co req IE-CP
	Total	19	2	6		21	
FOURTH YEAR, Second Semester							
IE-PRC6	*Practicum/Industry Immersion (600 hrs)	6				6	EE013B, ENGG193, IE233, IE263, IE273, IE-CP, IE-CP-L, IE-PF, IE-PF-L
	Total	6				6	
GRAND TOTAL		171	13	39		184	

**Practicum - No simultaneous enrollment is allowed.*