

Colegio de San Juan de Letran Calamba

Brgy. Bucal, City of Calamba, Laguna

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Curriculum Year 2023-2024

COURSE CODE	COURSE TITLE	Lec		Lab		TOTAL	PRE-REQUISITES/ CO-REQUISITES
		Units/Hours	Hrs	Units	Hrs		
FIRST YEAR, First Semester							
CHM081L	Chemistry for Engineers Lab			1	3	1	co-req CHM083
CHM083	Chemistry for Engineers	3				3	co-req CHM081L
GEC013	Science, Technology, and Society	3				3	
GEC063	Purposive Communication	3				3	
LQEC23-013	Letran Quality Enhancement Course I (Letran Calamba Identity and 21st Century Learning Skills)	3				3	
MATH153A	Calculus 1	3				3	
MATH343A	Engineering Mathematics 1	3				3	
NSTP1-18	National Service Training Program 1	3				3	
PATHFIT1002	Movement Competency Training	2				2	
Total		23	0	1	3	24	
FIRST YEAR, Second Semester							
Drw051L	Computer Aided Drafting			1	3	1	
GEC003	Understanding the Self	3				3	
GEC023	Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas	3				3	
IE013A	Statistical Analysis for Industrial Engineers 1	3				3	
MATH153B	Calculus 2	3				3	MATH153A, co-req PHY083, PHY081L
MATH343B	Engineering Mathematics 2	3				3	MATH343A
NSTP2-18	National Service Training Program 2	3				3	NSTP1-18
PATHFIT2022	Exercise-Based Fitness	2				2	PATHFIT1002
PHY081L	Physics for Engineers Lab			1	3	1	MATH153A, co-req MATH153B, PHY083
PHY083	Physics for Engineers	3				3	MATH153A, co-req MATH153B, PHY081L
RELED053	The Catholic Christian Faith	3				3	
Total		26	0	2	6	28	
SECOND YEAR, First Semester							
CoENG002L	Computer Fundamentals and Programming			2	6	2	
ECON013	Principles of Economics	3				3	
ENGG013	Engineering Mechanics	3				3	PHY083, PHY081L
IE013B	Statistical Analysis for Industrial Engineers 2	3				3	IE013A
IE081A-L	Industrial Materials and Processes Lab			1	3	1	CHM083, CHM081L, PHY083, PHY081L co-req. IE082A
IE082A	Industrial Materials and Processes	2				2	CHM083, CHM081L, PHY083, PHY081L co-req. IE081A-L
LQEC23-023	Letran Quality Enrichment Course II (21st Century Literacy Skills & Life Skills and Sustainability)	3				3	
MATH223	Differential Equations	3				3	MATH153B
PATHFIT3032	Individual /Dual Sports	2				2	PATHFIT1002, PATHFIT2022
RELED063	Contemporary Issues in Christian Marriage	3				3	RELED053
Total		22	0	3	9	25	
SECOND YEAR, Second Semester							
ACT033D	Financial Accounting	3				3	
ENGG103	Engineering Economics	3				3	
GEC033	Mathematics in the Modern World	3				3	
IE203	Industrial Organization and Management	3				3	co-req IE213, IE211L
IE211L	Work Study and Measurement Lab			1	3	1	IE013A, IE082A, IE081A-L, co-req IE213, IE203
IE213	Work Study and Measurement Lec	3				3	IE013A, IE082A, IE081A-L, co-req IE211L, IE203

COURSE CODE	COURSE TITLE	Lec		Lab		TOTAL	PRE-REQUISITES/ CO-REQUISITES
		Units/Hours	Hrs	Units	Hrs		
IE253	Advanced Mathematics for Industrial Engineering	3				3	MATH223
PATHFIT4042	Contemporary Dance	2				2	PATHFIT1002, PATHFIT2022
RELED083	Christian Ethics	3				3	RELED053
RZL023	Buhay at Mga Gawa ni Rizal	3				3	
	Total	26	0	1	3	27	
THIRD YEAR, First Semester							
ACT043D	Managerial Accounting	3				3	ACT033D
ENGG073	Thermodynamics	3				3	MATH223
GEC073	Ethics	3				3	
GECELEC1	Living in the IT Era	3				3	
GECELEC3	Philippine Popular Culture	3				3	
IE031A-L	Ergonomics 1 Lab			1	3	1	IE213, IE211L, co-req IE032A
IE032A	Ergonomics 1	2				2	IE213, IE211L, co-req IE031A-L
IE113C	Operations Research 1	3				3	IE253
IE223	Quality Management Systems	3				3	IE013B,IE213,IE211L
RELED073	Contemporary Issues About Church and Human Society with Immersion	3				3	RELED053
	Total	26	0	1	3	27	
THIRD YEAR, Second Semester							
ENGG083	Environmental Science and Engineering	3				3	CHM083, CHM081L
GEC043	The Contemporary World	3				3	
GECELEC2	The Entrepreneurial Mind	3				3	
IE031B-L	Ergonomics 2 Lab			1	3	1	IE032A, IE031A-L, co-req IE032B
IE032B	Ergonomics 2	2				2	IE032A, IE031A-L, co-req IE031B-L
IE113D	Operations Research 2	3				3	IE113C
IE241L	Operations Management Lab			1	3	1	IE113C, IE223, co-req IE243
IE243	Operations Management	3				3	IE113C, IE223, co-req IE241L
IElec-1	IE Elective 1	3				3	IE213, IE211L, IE253
IE-PF	Project Feasibility	2				2	IE113C, ACT043D, co-req IE-PF-L
IE-PF-L	Project Feasibility Lab			1	3	1	IE113C,ACT043D, co-req IE-PF
	Total	22	0	3	9	25	
THIRD YEAR, Inter-Semester							
ENGG183	Basic Occupational Safety and Health	3				3	
ENGG193	Technopreneurship	3				3	ENGG103
	Total	6	0	0	0	6	
FOURTH YEAR, First Semester							
EE013B	Elementary Electrical Engineering	3				3	PHY083, PHY081L
GEC053	Art Appreciation	3				3	
IE233	Systems Engineering	3				3	IE243, IE241L
IE263	Supply Chain Management	3				3	IE243, IE241L
IE273	Information Systems	3				3	CoENG002L
IE-CP	IE Capstone Project	1				1	IE113D, co-req IE-CP-L
IE-CP-L	IE Capstone Project Lab			2	6	2	IE113D, co-req IE-CP
IElec-2	IE Elective 2	3				3	IElec-1
IElec-3	IE Elective 3	3				3	IElec-1
	Total	22	0	2	6	24	
FOURTH YEAR, Second Semester							
IE-PRC5	*Practicum/Industry Immersion (500 hrs)	5				5	EE013B, ENGG193, IE233, IE263, IE273, IE-CP, IE-CP-L, IE-PF, IE-PF-L
	Total	5	0	0	0	5	
GRAND TOTAL		178	0	13	39	191	

*Practicum - No simultaneous enrollment is allowed.

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		Units/Hours	Hrs	Units	Hrs	

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Reviewed and Noted by:



ENGR. CHRISTOPHER V. GONZALES, PCpE
CpE Chair/Acting Dean