

De La Salle University
GOKONGWEI COLLEGE OF ENGINEERING
Bachelor of Science in Industrial Engineering
CHECKLIST FOR FRESHMEN WHO STARTED AY 2024-2025

FIRST TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
NSTP101	NSTP Orientation	0	
FNDMATH	Foundation Course for Mathematics	5	
BASCHEM	Foundation Course for Chemistry	3	
BASPHYS	Foundation Course for Physics	3	
FNDSTAT	Foundation Course for Statistics	3	
LBYPH1C	Computer-Aided Drafting	1	
TOTAL		15	
SECOND TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
LCC..01	Lasallian Core Curriculum (Placeholder 01)	3	
LCC..02	Lasallian Core Curriculum (Placeholder 02)	3	
CALENG1	Differential Calculus	3	H FNDMATH
ECOPRIN	Principles of Economics	3	
LBIE2F	Parametric CAD for IE	1	H LBYPH1C
IETHERM	Basic Engineering Thermodynamics for IE	3	H / H FNDMATH / BASPHYS
MANACIE	Managerial Accounting for IE Majors	3	
NSTPCW1	National Service Training Program 1	(3)	
TOTAL		19 (3)	
THIRD TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
SAS1000	Student Affairs Services Orientation	0	
NSTPCW2	National Service Training Program 2	(3)	H NSTP - R1/C1
LCLSONE	Lasallian Studies 1	(1)	
LASARE1	Lasallian Recollection 1	0	
LCC..03	Lasallian Core Curriculum (Placeholder 03)	3	
LCC..04	Lasallian Core Curriculum (Placeholder 04)	3	
CALENG2	Integral Calculus	3	H CALENG1
ENGCHEM	Chemistry for Engineering	3	H BASCHEM
LBYPH1A	Chemistry for Engineering Lab	1	C ENGCHEM
COSACIE	Cost Accounting for IE Majors	3	H MANACIE
LBIEC2A	Computer Fundamentals and Programming 1	1	
PE1CRDO	Cardio Fitness	2	
TOTAL		19 (4)	

LEGEND: H = HARD PRE-REQUISITE
S = SOFT PRE-REQUISITE

TOTAL UNITS 201 (9) units

FOURTH TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
LCC..05	Lasallian Core Curriculum (Placeholder 05)	3	
PE2FTEX	Functional Exercise	2	
CALENG3	Differential Equations	3	H CALENG2
ENGDAT1	Probability and Statistics for IE	3	S / H CALENG2 / FNDSTAT
ENGPHY5	Physics for Engineering	3	S / H CALENG1 / BASPHYS
LBYPH1A	Physics for Engineering Lab	1	C ENGPHY5
ENGENVI	Environmental Science and Engineering	3	H ENGCHEM
LBIEC2B	Computer Fundamentals and Programming 2	1	H LBIEC2A
TOTAL		19	
FIFTH TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
LCC..06	Lasallian Core Curriculum (Placeholder 06)	3	
PETHREE	Generic Code	2	H PE1 / PE2
INDUMAT	Advanced Mathematics for Industrial Engineering	3	H CALENG3
ENGDAT2	Statistical Analysis for Industrial Engineers	2	H ENGDAT1
LBIE2G	Statistical Analysis for Industrial Engineers Lab	1	C ENGDAT2
PROMGT1	Operations Management	4	C ENGDAT2
ENGMech	Engineering Mechanics for IE	3	H / S ENGPHY5 / CALENG2
SAS2000	Student Affairs Services Orientation 2	0	H SAS1000
TOTAL		18	
SIXTH TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
LCLSTWO	Lasallian Studies 2	(1)	LCLSONE
LCC..07	Lasallian Core Curriculum (Placeholder 07)	3	
LASARE2	Lasallian Recollection 2	0	
IOPER1	Operations Research 1	3	H INDUMAT
INDUORG	Industrial Organization and Management	3	S PROMGT1
BIOERG1	Physical Ergonomics	1	S ENGDAT2
LBIE2E	Physical Ergonomics Lab	1	C / S BIOERG1 / ENGDAT2
MATEPRO	Industrial Materials and Processes	2	S / S ENGCHEM / ENGPHY5
LBIE2A	Industrial Materials and Processes Lab	1	C MATEPRO
IEECONO	Engineering Economics for IE Majors	3	S / S ENGDAT1 / COSACIE
LBIEC3C	Intelligent Engineering Systems	1	H / S LBIEC2B / ENGDAT1
TOTAL		18 (1)	

TO THE STUDENTS:

- Please take note that courses should not be enrolled without passing their respective pre-requisite and taking (not necessarily passed) their soft-requisite. Be reminded that not following so will cause the course to be INVALIDATED.
- This checklist is tentative and subject to change.

Please be guided accordingly. Thank you.

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SEVENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCC..08	Lasallian Core Curriculum (Placeholder 08)	3		
PEDFOUR	Generic Code	2	H	PE1 / PE2 / PE3
IEOPER2	Operations Research 2	3	H	IEOPER1
PROMGT2	Work Study and Measurement	3	S / S	PROMGT1 / BIOERG1
LBYIE3A	Work Study and Measurement Lab	1	C	PROMGT2
SYSENG1	Systems Engineering 1 Lecture	2	C / S / S	PROMGT2 / INDUORG / IEECONO
LBYIE3J	Operations Research Lab	1	C	IEOPER2
COGERG2	Cognitive Ergonomics	1	S	BIOERG1
LBYIE3C	Cognitive Ergonomics Lab	1	C / S	COGERG2 / LBYIE2G
IMEMARK	Industrial Marketing	2		
TOTAL		19		
EIGHTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCC..09	Lasallian Core Curriculum (Placeholder 09)	3		
LCC..10	Lasallian Core Curriculum (Placeholder 10)	3		
IEOPER3	Operations Research 3	3	S	IEOPER2
SYSENG2	Systems Engineering 2 Lecture	2	H / S	SYSENG1 / IEOPER1
LBYIE3B	Systems Engineering 1 Lab	1	S	SYSENG1
LBYIE3K	System Simulation Lec and Lab	1	C	IEOPER3
INFORSY	Information Systems	2	S	SYSENG1
LBYIE3F	Information Systems Lab	1	C	INFORSY
IEMERES	Methods of Research for IE	3	H / S	GEPCOMM / COGERG2
			S / S	IEOPER2 / PROMGT2
TOTAL		19		
NINTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCLSTRI	Lasallian Studies 3	(1)		LCLSTWO
LCC..11	Lasallian Core Curriculum (Placeholder 11)	3		
LCC..12	Lasallian Core Curriculum (Placeholder 12)	3		
LASARE3	Lasallian Recollection 3	0		
LBYIE3E	Systems Engineering 2 Lab	1	S / H	SYSENG2 / LBYIE3B
FACILIT	Facilities Planning	2	S / S	IEOPER2 / PROMGT2
PROMGT3	Quality Management Systems	3	S / S / S	ENGDAT2 / LBYIE2A / PROMGT1
IEPRODE	Product Design	1	S / S	COGERG2 / LBYIE3C
LBYIE3G	Product Design Lab	1	C / S	IEPRODE / LBYIE2F
IELECT1	IE Elective 1	3		at least 3rd year standing
TOTAL		17 (1)		

TENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCC..13	Lasallian Core Curriculum (Placeholder 13)	3		
IELECT2	IE Elective 2	3		at least 3rd year standing
FEAPROJ	Project Feasibility (2/3)	3	H / H / H	ECOPRIN / IEECONO / IMEMARK
IEOCSAF	Occupational Safety and Health for IE	3	S / S	PROMGT2 / BIOERG1
LBYIE4F	System Dynamics Lec and Lab	1	S	LBYIE3K
SUPCHAN	Supply Chain Management	3	S	FACILIT
THSIE4A	IE Thesis 1	1	H	IEMERES
SAS3000	Student Affairs Services Orientation 3	0	H	SAS2000
TOTAL		17		
ELEVENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
PRCISEA	IE Industry Immersion	3	S / S	IEMERES / SUPCHAN
			S / S	FEAPROJ / IEOCSAF
			S / S / S	IEPRODE / INFORSY / MATEPRO
			S	SAS3000
	* must have taken up all IE professional courses		S / S / S	PROMGT3 / IEOPER3 / SYSENG2
TOTAL		3		
TWELFTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCC..14	Lasallian Core Curriculum (Placeholder 14)	3		
LCC..15	Lasallian Core Curriculum (Placeholder 15)	3		
ENGTREP	Technopreneurship	3		at least 3rd year standing
IELECT3	IE Elective 3	3		at least 3rd year standing
THSIE4B	IE Thesis 2	1	H / H	THSIE4A / PRCIE4A
FDATSCI	Foundation of Data Science	2	H / S	ENGDAT2 / LBYIE3J
ELEPRIN	Elementary Electrical Engineering for IE	3	H	ENGPYHS
TOTAL		18		