

De La Salle University
GOKONGWEI COLLEGE OF ENGINEERING
Bachelor of Science in Industrial Engineering with specialization in Information Technology
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		
LBYPE1C	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		
LBYPH1A	Parametric CAD for IE	1	H	LBYPE1C
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
LBYES2A	Computer Fundamentals and Programming 1	1		
PE1CRDO	Cardio Fitness	2		
TOTAL		19 (4)		

LEGEND: H = HARD PRE-REQUISITE
S = SOFT PRE-REQUISITE
TOTAL UNITS 204 (9) units

FOURTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
LCC..05	Lasallian Core Curriculum (Placeholder 05)	3		
PE2FTEX	Functional Exercise	2	H	PE1
CALENG3	Differential Equations	3	H	CALENG2
ENGSTAT1	Probability and Statistics for IE	3	S / H	CALENG2 / FNDSTAT
ENGPYS	Physics for Engineering	3	S / H	CALENG1 / BASPHYS
LBYPH1A	Physics for Engineering Lab	1	C	ENGPYS
ENGENVI	Environmental Science and Engineering	3	H	ENGCHEM
LBYES2B	Computer Fundamentals and Programming 2	1	H	LBYES2A
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
ENGSTAT2	Statistical Analysis for Industrial Engineers	2	H	ENGSTAT1
LBYPH2G	Statistical Analysis for Industrial Engineers Lab	1	C	ENGSTAT2
PROMGT1	Operations Management	4	C	ENGSTAT2
ENGMACH	Engineering Mechanics for IE	3	H / S	ENGPYS / 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		
IEOPER1	Operations Research 1	3	H	INDUMAT
INDUORG	Industrial Organization and Management	3	S	PROMGT1
BIOERG1	Physical Ergonomics	1	S	ENGSTAT2
LBYPH2E	Physical Ergonomics Lab	1	C / S	BIOERG1 / ENGSTAT2
MATEPRO	Industrial Materials and Processes	2	S / S	ENGCHEM / ENGPYS
LBYPH2A	Industrial Materials and Processes Lab	1	C	MATEPRO
IEECONO	Engineering Economics for IE Majors	3	S / S	ENGSTAT1 / COSACIE
LBYES3C	Intelligent Engineering Systems	1	H / S	LBYES2B / ENGSTAT1
TOTAL		18 (1)		

TO THE STUDENTS:
1. 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.
2. 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
ITDESYS	Designing Systems	2	S	INFORSY
LBYIE3H	Visual Basic Programming	2	S	INFORSY
TOTAL		18 (1)		

TENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCC..13	Lasallian Core Curriculum (Placeholder 13)	3		
ITDATAB	Database Management	2	S / S	ITDESYS / LBYIE3H
LBYIE4C	Database Management Lab	2	C	ITDATAB
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		18		
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		
ENGTRIP	Technopreneurship	3		at least 3rd year standing
ITMPROJ	Managing IT Projects	2	S	ITDATAB
LBYIE4D	ERP System Lab	2	S / S	SUPCHAN / ITDATAB
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		19		