

De La Salle University
GOKONGWEI COLLEGE OF ENGINEERING

Bachelor of Science in Industrial Engineering with Specialization in Information Technology and Master of Science in Industrial Engineering
CHECKLIST FOR FRESHMEN WHO STARTED AY 2022-2023

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	
LBYSME1C	Computer-Aided Drafting	1	
TOTAL		15	
SECOND TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
GEMATMW	Mathematics in the Modern World	3	
GERIZAL	Life and Works of Rizal	3	
CALENG1	Differential Calculus	3	H FNDMATH
ECOPRIN	Principles of Economics	3	
LBYES2A	Computer Fundamentals and Programming 1	1	
IETHERM	Basic Engineering Thermodynamics for IE	3	H / H FNDMATH / BASPHYS
INMANAC	Managerial Accounting for IE Majors (1/3)	2	
NSTPCW1	National Service Training Program 1	(3)	
TOTAL		18(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	
GELECSO	G.E. Elective Social Science and Philosophy	3	
GEARTAP	Art Appreciation	3	
CALENG2	Integral Calculus	3	H CALENG1
ENGCHEM	Chemistry for Engineering	3	H BASCHEM
LBYSCH1A	Chemistry for Engineering Lab	1	C ENGCHEM
INCOSAC	Cost Accounting for IE Majors (1/3)	2	H INMANAC
LBYSIE2B	CATIA for IE	1	H LBYSME1C
GEUSELF	Understanding the Self	3	
TOTAL		19(4)	

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

TOTAL UNITS 203 (9) units for BS IE-IT
36 units for MS IE
239 units

FOURTH TERM			
COURSE	COURSE TITLE	UNITS	PREREQUISITES
GELECAH	G.E. Elective Arts and Humanities	3	
GEFTWEL	Physical Fitness and Wellness	2	
CALENG3	Differential Equations	3	H CALENG2
ENGDAT1	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
GEPCOMM	Purposive Communication	3	
GEDANCE	Physical Fitness and Wellness in Dance	2	
INDUMAT	Advanced Mathematics for Industrial Engineering	3	H CALENG3
ENGDAT2	Statistical Analysis for Industrial Engineers	2	H ENGDAT1
LBYSIE2C	Statistical Analysis for Industrial Engineers Lab	1	C ENGDAT2
PROMGT1	Operations Management	4	C ENGDAT2
ENGMECH	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
SAS2000	Student Affairs Services Orientation 2	0	
LCLSTWO	Lasallian Studies 2	(1)	
LCFAITH	A Faith Worth Living	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 ENGDAT2
LBYSIE2E	Physical Ergonomics Lab	1	C / S BIOERG1 / ENGDAT2
MATEPRO	Industrial Materials and Processes	2	S / S ENGCHEM / ENGPYS
LBYSIE2A	Industrial Materials and Processes Lab	1	C MATEPRO
IEECONO	Engineering Economics for IE Majors	3	S / S ENGDAT1 / COSACIE
LBYES2C	Intelligent Engineering Systems	1	H / S LBYES2B / ENGDAT1
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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Approved: Engr. Maria Antonette Roque
GCOE, Associate Dean

Noted: Engr. Giselle Joy Esmeria

Chair, Industrial & Systems Engineering Department

SEVENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
GESPORT	Physical Fitness and Wellness in Individual Sport	2		
GEETHIC	Ethics	3		
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	
GETEAMS	Physical Fitness and Wellness in Teams Sport	2		
GESTSOC	Science, Technology and Society	3		
IEOPER3	Operations Research 3	3	S	IEOPER2
FACILIT	Facilities Planning	2	S/S	IEOPER2 / PROMGT2
SYSENG2	Systems Engineering 2 Lecture	2	H/S	SYSENG1 / IEOPER1
THSIE3C	Capstone Design Project 1	1	S	SYSENG1
INFORSY	Information Systems	2	S	SYSENG1
LBYIE3F	Information Systems Lab	1	C	INFORSY
IEMERES	Methods of Research for IE	3	H/S	GEPCOMM / COGERG2
IEN534M	Six Sigma Quality Systems (X6SIGMA) (MAJISE2)	3	S/S	IEOPER2 / PROMGT2
IEN513M	Data Analytics for IE (COEMAT1)	3		
TOTAL		25		
NINTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCLSTRI	Lasallian Studies 3	(1)		
GELECST	G.E. Elective Science and Technology	3		
LCASEAN	The Philippines and the ASEAN	3		
LASARE3	Lasallian Recollection 3	0		
INFIMAN	Finacial Management for IE Majors	2	S	IEECONO
THSIE3D	Capstone Design Project 2	1	S/H	SYSENG2 / THSIE3C
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
SIMUDIS	System Simulation	1	S	IEOPER3
IEN530M	Service Systems Management (XSERMAN) (MAJISE1)	3		
COEMAT2	Advanced Math 2 for BSMS IE	3		
TOTAL		25 (1)		

TENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCENWRD	Encountering the Word in the World	3		
ITDATAB	Database Management	2	S/S	ITDESYS / LBYIE3H
LBYIE4C	Database Management Lab	2	C	ITDATAB
IEN573M	Total Quality & Environmental Management (ELEISE1)	3		
LBYIE4E	System Simulation Lab	1	S	SIMUDIS
INDFEAS	Project Feasibility	3	H/S/H	ECOPRIN / INFIMAN / IMEMARK
IEOCSAF	Occupational Safety and Health for IE	3	S/S	PROMGT2 / BIOERG1
IEN531M	Inbound/Outbound Logistics (XLOGIST) (MAJISE3)	3	S	FACILIT
SAS3000	Student Affairs Services Orientation 3	0	H	SAS2000
IEN532M	Lean Manufacturing (XLEANMA) (MAJISE4)	3		
RESIEBM	Research Study for BSMS IE	1	H	IEMERES
TOTAL		24		
ELEVENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
PRCIE4B	IE Industry Immersion	3	S/S	IEMERES / SUPCHAN
			S/S	INDFEAS / IEOCSAF
			S/S/S	IEPRODE / INFORSY / MATEPRO
	* must have taken up all IE professional courses		S/S/S	PROMGT3 / IEOPER3 / SYSENG2
			S	SAS3000
TOTAL		3		
TWELFTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
GERPHIS	Readings in the Philippine History	3		
GEWORLD	The Contemporary World	3		
COE571M	Technology and Entrepreneurship (ELEISE2)	3		at least 3rd year standing
ITMPROJ	Managing IT Projects	2	S	ITDATAB
LBYIE4D	ERP System Lab	2	S/S	SUPCHAN / ITDATAB
DYNSYST	System Dynamics	1	S	SYSENG2
LBYIE4A	System Dynamics Lab	1	C	DYNSYST
ELEPRIN	Elementary Electrical Engineering for IE	3	H	ENGPYS
COE5200	Methods of Research (for M. Eng. & MS students only)	3		
MAJISE5	Major course 5 for BSMS IE	3		
	Comprehensive Exam	0		
TOTAL		24		
THIRTEENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
IEN851M	Project Study 1 for MS IE	3		
TOTAL		3		
FOURTEENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
IEN852M	Project Study 2 for MS IE	3		
TOTAL		3		