

De La Salle University
GOKONGWEI COLLEGE OF ENGINEERING
Bachelor of Science 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		
LBYME1C	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		
LBYEC2A	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
LCLSTONE	Lasallian Studies 1	(1)		
LASARE1	Lasallian Recollection 1	0		
GELECSP	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
LBYPH1A	Chemistry for Engineering Lab	1	C	ENGCHEM
INCOSAC	Cost Accounting for IE Majors (1/3)	2	H	INMANAC
LBYIE2B	CATIA for IE	1	H	LBYME1C
GEUSELF	Understanding the Self	3		
TOTAL		19 (4)		

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

TOTAL UNITS

194 (9) units BSIE
36 units MSIE
230 (9) 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
LBYEC2B	Computer Fundamentals and Programming 2	1	H	LBYEC2A
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
LBYIE2G	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
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
LBYIE2E	Physical Ergonomics Lab	1	C / S	BIOERG1 / ENGDAT2
MATEPRO	Industrial Materials and Processes	2	S / S	ENGCHEM / ENGPYS
LBYIE2A	Industrial Materials and Processes Lab	1	C	MATEPRO
IEECONO	Engineering Economics for IE Majors	3	S / S	ENGDAT1 / COSACIE
LBYEC3C	Intelligent Engineering Systems	1	H / S	LBYEC2B / 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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GCOE, Associate Dean

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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 S / S	GEPCOMM / COGERG2 IEOPER2 / PROMGT2
IEN534M	Six Sigma Quality Systems (X6SIGMA) (MAJISE2)	3		
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 / LBYIE2B
SIMUDIS	System Simulation	1	S	IEOPER3
IELECT1	IE Elective 1	3		at least 3rd year standing
IEN530M	Service Systems Management (XSERMAN) (MAJISE1)	3		
COEMAT2	MS Advanced Math 2	3		
TOTAL		24 (1)		

TENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
LCENWRD	Encountering the Word in the World	3		
IELECT2	IE Elective 2	3		at least 3rd year standing
INDFEAS	Project Feasibility	3	H / S / H	ECOPRIN / INFIMAN / IMEMARK
IEOCSAF	Occupational Safety and Health for IE	3	S / S	PROMGT2 / BIOERG1
LBYIE4E	System Simulation Lab	1	S	SIMUDIS
IEN531M	Inbound/Outbound Logistics (XLOGIST) (MAJISE3)	3	S	FACILIT
SAS3000	Student Affairs Services Orientation 3	0	H	SAS2000
IEN573M	Total Quality & Environmental Management (ELEISE1)	3		
IEN532M	Lean Manufacturing (XLEANMA) (MAJISE4)	3		
RESIEBM	Research Study for BSMS IE	1	H	IEMERES
TOTAL		23		
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
IELECT3	IE Elective 3	3		at least 3rd year standing
DYNSYST	System Dynamics	1	S	SYSENG2
LBYIE4A	System Dynamics Lab	1	C	DYNSYST
ELEPRIN	Elementary Electrical Engineering for IE	3	H	ENGPHYIS
MAJISE5	Major course 5 for BSMS IE	3		
COE5200	Methods of Research (for M. Eng. & MS students only)	3		
	Comprehensive Exam	0		
TOTAL		23		
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		