

CHECKLIST FOR FRESHMEN WHO STARTED SY 2018-2019
 GOKONGWEI COLLEGE OF ENGINEERING
Bachelor of Science/Masters of Science in Industrial Engineering
 CHECKLIST FOR FRESHMEN WHO STARTED SY 2018-2019

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
NSTPCW1	National Service Training Program 1	(3)		
GEMATMW	Mathematics in the Modern World	3		
GETFWEL	Physical Fitness and Wellness	2		
CALENG1	Differential Calculus	3	H	FNDMATH
ENGCHEM	Chemistry for Engineering	3	H	BASCHEM
LBYCH1A	Chemistry for Engineering Lab	1	C	ENGCHEM
IETHERM	Basic Engineering Thermodynamics for IE	3	H / H	FNDMATH / BASPHYS
INMANAC	Managerial Accounting for IE Majors (1/3)	2		
LBYEC2A	Computer Fundamentals and Programming 1	1		
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
GEFIL1	Introduksyon sa Filipinohiya	3		
GEDANCE	Physical Fitness and Wellness in Dance	2		
LCLSONE	Lasallian Studies 1	(1)		
LASARE1	Lasallian Recollection 1	0		
CALENG2	Integral Calculus	3	H	CALENG1
ENGPHY	Physics for Engineering	3	S / H	CALENG1 / BASPHYS
LBYPH1A	Physics for Engineering Lab	1	C	ENGPHY
ENGENVI	Environmental Science and Engineering	3	H	ENGCHEM
INCOSAC	Cost Accounting for IE Majors (1/3)	2	H	INMANAC
LBYEC2B	Computer Fundamentals and Programming 2	1	H	LBYEC2A
TOTAL		18 (4)		

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

TOTAL UNITS: 222 (9)

FOURTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
GEFIL2	Mga Usaping Pang-wika sa Iba't Ibang Larangan	3		
GESPRT	Physical Fitness and Wellness in Individual Sport	2		
CALENG3	Differential Equations	3	H	CALENG2
ENGDAT1	Probability and Statistics for IE	3	S / H	CALENG2 / FNDSTAT
MATEPRO	Industrial Materials and Processes	2	S / S	ENGCHEM / ENGPHY
LBYE2A	Industrial Materials and Processes Lab	1	C	MATEPRO
LBYIE2B	CATIA for IE	1	H	LBYME1C
ENGMCH	Engineering Mechanics for IE	3	H / S	ENGPHY / CALENG2
TOTAL		18		
FIFTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
GEPCOMM	Purposive Communication	3		
GETEAMS	Physical Fitness and Wellness in Teams Sport	2		
INDUMAT	Advanced Mathematics for Industrial Engineering	3	H	CALENG3
ENGDAT2	Statistical Analysis for Industrial Engineers	2	H	ENGDAT1
LBYIE2C	Statistical Analysis for Industrial Engineers Lab	1	C	ENGDAT2
PROMGT1	Operations Management (3/3)	4	C	ENGDAT2
LBYEC3C	Intelligent Engineering Systems	1	H / S	LBYEC2B / ENGDAT1
ECOPRIN	Principles of Economics	3		
TOTAL		19		
SIXTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
LCLSTWO	Lasallian Studies 2	(1)		
GEUSELF	Understanding the Self	3		
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
LBYIE2D	Physical Ergonomics Lab	1	C / H	BIOERG1/LBYIE2A
IMEMARK	Industrial Marketing	2		
IEECONO	Engineering Economics for IE Majors	3	S / S	ENGDAT1 / INCOSAC
TOTAL		19 (1)		

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.

Prepared: Engr. Dennis Cruz

Approved : Dr. Jonathan Dungca
 GCOE, Associate Dean

SEVENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
GEARTAP	Art Appreciation	3		
GEETHC	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	PROMGT2
			S / S	INDUORG / IEECONO
LBYIE3B	Systems Engineering 1 Lab	1	C	SYSENG1
COGERG2	Cognitive Ergonomics	1	S	BIOERG1
LBYIE3C	Cognitive Ergonomics Lab	1	C / S	COGERG2 / LBYIE2C
TOTAL		18		
EIGHTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
GERIZAL	Life and Works of Rizal	3		
GESTSOC	Science, Technology and Society	3		
IEOPER3	Operation Research 3	3	S	IEOPER2
LBYIE3D	Operation Research Lab	1	C	IEOPER3
SYSENG2	Systems Engineering 2 Lecture	2	H / S	SYSENG1 / IEOPER1
LBYIE3E	Systems Engineering 2 Lab	1	C / S	SYSENG2 / LBYIE3B
INFORSY	Information Systems	2	S	SYSENG2
LBYIE3F	Information Systems Lab	1	C	INFORSY
COE5200	Methods of Research (for M. Eng. & MS students only)	3	H / S	GEPCOMM / COGERG2
			S / S	IEOPER2 / PROMGT2
IEN530M	Service Systems Management (XSERMAN) (MS Major 1)	3		
TOTAL		22		
NINTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
LCLSTRI	Lasallian Studies 3	(1)		
GELITPH	Literatures of the Philippines	3		
LCASEAN	The Philippines and the ASEAN	3		
LASARE3	Lasallian Recollection 3	0		
INFIMAN	Financial Management for IE Majors (1/3)	2	S	IEECONO
FACILIT	Facilities Planning	2	S / S	IEOPER2 / PROMGT2
PROMGT3	Quality Management Systems	3	S / S	ENGDAT2 / LBYIE2A
			S	PROMGT1
IEPRODE	Product Design	1	S / S	COGERG2 / LBYIE3C
LBYIE3G	Product Design Lab	1	C	IEPRODE
	MS Math 1	3		
IEN534M	Six Sigma Quality Systems (X6SIGMA) (MS Major 2)	3		
TOTAL		21 (1)		

TENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
LCENWRD	Encountering the Word in the World	3		
	MS IE Cognate 1	3		
DYNSYST	System Dynamics	1	S	SYSENG2
LBYIE4A	System Dynamics Lab	1	C	DYNSYST
INDFEAS	Project Feasibility (2/3)	3	H / S / S	ECOPRIN / INFIMAN / IMEMARK
IEOCSAF	Occupational Safety and Health for IE	3	S/S	PROMGT2/BIOERG1
IEN531M	Inbound/Outbound Logistics (XLOGIST) (MS Major 3)	3	S	FACILIT
THSIES0	IE Thesis 0	2	H	IEMERES
IEN532M	Lean Manufacturing (XLEANMA) (MS Major 4)	3		
TOTAL		22		
ELEVENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
PRCIE4A	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
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 (MS Cognate 2)	3		at least 3rd year standing
IEELEC3	IE Elective 3	3		at least 3rd year standing
SIMDISC	System Simulation	1	S	PRCGEIE
LBYIE4B	System Simulaton Lab	1	C	SIMDISC
ELEPRIN	Elementary Electrical Engineering for IE	3	H	ENGPHYS
	MS Math 2 (Advanced System Dynamics)	3		
	MS Major 5	3		
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		

MS Courses

Math **Math 1 (Large Scale Modelling and Optimization)**
 Math 2 (Advanced System Dynamics)

Elective **COE571M (TECHPRE)**
 Elective (Advanced Production Scheduling)

Methods **COE5200 (Methods of Research)**

Major **IEN530M (XSERMAN)**
 IEN531M (XLOGIST)
 IEN532M (XLEANMA)
 IEN533M (XINFOSY)
 IEN534M (X6SIGMA)

ENGTREP (MS Elective)
SUPCHAN (Major)

IEELEC1	New MS Math Course (9)
IEELEC2	New MS Elective Course (10)
IEMERES	COE5200 (8)
SUPCHAN	IEN531M (10)
ENGTREP	COE571M (12)
IEN530M	XSERMAN (8)
IEN534M	X6SIGMA (9)
IEN532M	XLEANMA (10)
	MS Major (12)
	MS Math (12)

For Lateral Entry: Application and Acceptance Term is 7th term