

Bachelor of Science in Industrial Engineering with Specialization in Information Technology

CHECKLIST FOR FRESHMEN WHO STARTED AY 2021-2022

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	
LBYIE2B	CATIA for IE	1	H LBYME1C
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	
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
LBYCH1A	Chemistry for Engineering Lab	1	C ENGCHEM
INCOSAC	Cost Accounting for IE Majors (1/3)	2	H INMANAC
LBYEC2A	Computer Fundamentals and Programming 1	1	
GEUSELF	Understanding the Self	3	
TOTAL		19(4)	

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

TOTAL UNITS 204 (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
ENGPHY	Physics for Engineering	3	S / H CALENG1 / BASPHYS
LBYPH1A	Physics for Engineering Lab	1	C ENGPHY
ENGENVI	Environmental Science and Engineering	3	H ENGACHEM
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
LBYIE2C	Statistical Analysis for Industrial Engineers Lab	1	C ENGDAT2
PROMGT1	Operations Management (3/3)	4	C ENGDAT2
ENGMECH	Engineering Mechanics for IE	3	H / S ENGPHY / CALENG2
SAS2000	Student Affairs Services Orientation 2	0	
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
LBYIE2E	Physical Ergonomics Lab	1	C / S BIOERG1 / ENGDAT2
MATEPRO	Industrial Materials and Processes	2	S / S ENGACHEM / ENGPHY
LBYIE2A	Industrial Materials and Processes Lab	1	C MATEPRO
IEECONO	Engineering Economics for IE Majors	3	S / S ENGDAT1 / INCOSAC
LBYEC3C	Intelligent Engineering Systems	1	H / S LBYEC2B / 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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Noted: Dr. Wily F. Zalatar

Chair, Industrial & Systems Engineering Department

GCOE, Associate Dean

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 / LBYIE2C
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
			S / S	IEOPER2 / PROMGT2
TOTAL		19		

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	Financial Management for IE Majors (1/3)	2	S	IEECONO
THSIE3D	Capstone Design Project 1	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
ITDESYS	Designing Systems	2	S	INFORSY
LBYIE3H	Visual Basic Programming	2	S	INFORSY
SIMUDIS	System Simulation	1	S	IEOPER3
TOTAL		19 (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
LBYIE4E	System Simulation Lab	1	S	SIMUDIS
INDFEAS	Project Feasibility (2/3)	3	H / S / H	ECOPRIN / INFIMAN / IMEMARK
IEOC SAF	Occupational Safety and Health for IE	3	S / S	PROMGT2 / BIOERG1
SUPCHAN	Supply Chain Management	3	S	FACILIT
THSIE4A	IE Thesis 1	1	H	IEMERES
SAS3000	Student Affairs Services Orientation 3	0		
TOTAL		19		

ELEVENTH TERM				
COURSE	COURSE TITLE	UNITS	PREREQUISITES	
PRCIE4A	IE Industry Immersion	3	S / S	IEMERES / SUPCHAN
			S / S	INDFEAS / IEOC SAF
			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		
ENGTREP	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
DYNSYST	System Dynamics	1	S	SYSENG2
LBYIE4A	System Dynamics Lab	1	C	DYNSYST
ELEPRIN	Elementary Electrical Engineering for IE	3	H	ENGP HYS
TOTAL		19		