

FIRST TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
NSTP101	National Service Training Program General-Orientation	0		
RSEF1	Personal Effectiveness 1	(2.0)		
LASARE1	Lasallian Recollection 1	0		
FITWELL	Physical Fitness and Wellness	2		
ENGALG1	College Algebra for Engineering	3		
ENGTRIG	Plane and Spherical Trigonometry for Engineering	3	C	ENGALG1
ENGLCOM	Basic Communication and Study Skills	3		
CHEMONE	General Chemistry 1	3		
LBYPH11	General Chemistry 1 Laboratory	1	C	CHEMONE
GRAPONE	Engineering Graphics 1	1		
<b>TOTAL</b>		<b>16 (2)</b>		
SECOND TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
NSTP-R1/C1	National Service Training Program 1	(3.0)		
ENGLRES	Basic Research Skills / English for Special Purposes	3	H	ENGLCOM
FTSPORT	Physical Fitness and Wellness in Individual/ Dual Sports	2	S	FITWELL
FILKOMU	Komunikasyon sa Araling Pilipino	3		
LBYMEEA	Engineering Graphics II (CAD)	1	H	GRAPONE
SOCTEC1	Science, Technology and Society 1	3		
SOLIMEN	Solid Mensuration	2	C	ANAGEOM
DIFFCAL	Differential Calculus	4	H / C	ENGTRIG /ANAGEOM
ANAGEOM	Analytic Geometry	2	H/H	ENGALG1/ ENGTRIG
<b>TOTAL</b>		<b>20 (3)</b>		
THIRD TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
SAS1000	Students Affairs Services 1000	0		
NSTP-R2/C2	National Service Training Program 2	(3.0)	H	NSTP- R1/C1
SPEECOM	Oral Communication / Advanced Speech Class	3	H	ENGLCOM
FTDANCE	Physical Fitness and Wellness in Dance	2	S	FITWELL
FILDLAR	Pagbasa at Pagsulat sa Iba't - Ibang Disiplina / Larangan	3	H	FILKOMU
ENGPHY1	Engineering Physics 1	3	S	DIFFCAL
LBYPH11	Physics Laboratory 1	1	C	ENGPHY1
INTECAL	Integral Calculus	4	H	DIFFCAL
ENGALG2	Advanced Algebra for Engineering	2	H	ENGALG1
TREDONE	Humanity's Search for Life	3		
<b>TOTAL</b>		<b>21 (3)</b>		
FOURTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
TREDTWO	The Filipino Christian in a Changing World	3	H	TREDONE
IMEENVI	Environmental Engineering for IEs	2	S	CHEMONE
ENGPHY2	Engineering Physics 2	3	H	ENGPHY1
LBYPH12	Physics Laboratory 2	1	H / C	LBYPH11 / ENGPHY2
STATICS	Technical Mechanics I	3	H / S	ENGPHY1/INTECAL
ENGIANA	Differential Equations	3	H	INTECAL
ECONOMY	Economics Analysis	3	S	DIFFCAL
LASARE2	Lasallian Recollection 2	0	H	LASARE1
<b>TOTAL</b>		<b>18</b>		
FIFTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
ELENPRI	Electrical Engineering Fundamentals	3	H	ENGPHY2
DYNAMIC	Technical Mechanics II	2	H	STATICS
LBYES71	Engineering Computer Programming 1	1	S	ENGALG1
LBYES74	Electrical Circuits Laboratory	1	H / C	LBYPH12 / ELENPRI
QUAMET1	Probability and Statistics	3	H	INTECAL
IEMANAC	Industrial Managerial Accounting	2		
INDUPRO	Introduction to Industrial Processes	2	S	LBYMEEA
INDUSMA	Industrial Marketing	2	S	ECONOMY
LBYSME31	Machine Shop Laboratory	1	S	LBYMEEA
ENGSAFE	Safety Management for Engineering	1		
<b>TOTAL</b>		<b>18</b>		
SIXTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
FTTEAMS	Physical Fitness and Wellness in Teams Sports	2	S	FITWELL
HUMAART	Introduction to Art	3	H	ENGLRES
MEDEFOR	Strength of Materials	3	S	DYNAMIC
QUAMET2	Advanced Quantitative Analysis	2	H / C	QUAMET1 / LBYSME31
LBYSME31	Advanced Quantitative Analysis Laboratory	1	C	QUAMET2
IMEMATH	Industrial Engineering Mathematics	3	H	ENGIANA
LBYES72	Engineering Computer Programming 2	1	H	LBYES71
IECOSAC	Industrial Cost Accounting	2	H	IEMANAC
THERMO1	Basic Engineering Thermodynamics	3	S	INTECAL
<b>TOTAL</b>		<b>20</b>		

SEVENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
SOCTEC2	Science , Technology and Society 2	3	H	SOCTEC1
IMEPRO1	Production and Operations Management	3	S / S	INDUPRO/QUAMET2
ERGBIO1	Biomechanics	1	S	QUAMET2
LBYIMEB	Lab for App. of Tools & Techniques in Physical Ergo	1	C/H	ERGBIO1/LBYIMEA
INOPER1	Operations Research 1	3	H / S	IMEMATH / QUAMET1
IEMECON	Engineering Economy for IE Majors	3	S / S	QUAMET1 / IECOSAC
HUBEHOR	Human Behavior in Organization	3		
PERSEF2	Personal Effectiveness 2	(2.0)	H	PERSEF1
<b>TOTAL</b>		<b>17 (2)</b>		

EIGHTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
DEANSYS	System Analysis and Design	2	S / S	IMEENVI / IMEPRO1
			S / S	INOPER1 / ERGBIO1
			S / C	HUBEHOR / IEFINMT
LBYIEED	System Analysis and Design Laboratory	1	C	DEANSYS
IMEMATS	Materials Science and Engineering	3	S	MEDEFOR
IMEPRO2	Methods and Work Study	4	H / S	IMEPRO1 / ERGBIO1
LBYIMEE	Introduction to Methods Engineering Laboratory	1	C	IMEPRO2
ERGCOG2	Cognitive Ergonomics	1	S	ERGBIO1
LBYIMEC	Lab for App. of Tools & Techniques in Cognitive Ergo	1	S / C	LBYIMEB / ERGCOG2
INOPER2	Operations Research 2	3	H	INOPER1
IEFINMT	Industrial Financial Management	2	H	IEMECON
<b>TOTAL</b>		<b>18</b>		

NINTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
MERESIE	Methods of Research for IE	3	H / S	ENGLRES / ERGCOG2
			S / S	INOPER2 / IMEPRO1
FACPLAD	Facilities Planning and Design	3	S / S	IMEPRO2 / INOPER2
			S	ERGBIO1
IMEPRO3	Statistical Process Control and Quality Systems	3	S/H	IMEPRO2/QUAMET2
			H	LBYIMEA
PRODSCI	Product Design Lecture	1	S / S	ERGCOG2 / IMEMATS
			C / S	LBYIME32 / LBYIME31
LBYIMEF	Product Design Laboratory	1	S / C	LBYIMEC / PRODSCI
INOPER3	Operation Research 3	3	S	INOPER2
SYSINFO	Management Information System	3	S / S	DEANSYS/LBYIEED
LBYME32	CATIA for IEs	1	S	LBYME31
<b>TOTAL</b>		<b>18</b>		

TENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
PRCIEE1	Industrial Engineering Practicum	2	H / S	PERSEF2 / FACPLAD
			S / S	IMEPRO3 / PRODSCI
			S / S	LBYIMEF / INOPER3
			S / S	SYSINFO / LBYME32
<b>TOTAL</b>		<b>2</b>		

ELEVENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
TREDTRI	The Christian and the Word	3	H	TREDTWO
GREATWK	Great Works	3		
THSIEE1	Thesis 1 for IE	1	H / S	PRCIEE1 / MERESIE
SYSINDE	Information Systems Design	3	H / S	PRCIEE1 / SYSINFO
LBYIET1	Programming Languages	2	C	SYSINDE
DISCSIM	System Simulation	1	S / S / S	LBYEC72/DEANSYS/INOPER3
LBYIEEG	System Simulation Laboratory	1	C	DISCSIM
ADSYSTEMA	Advanced Manufacturing System	3	H	PRCIEE1
IPERSEF	Integrating Course for Personal Effectiveness	0	H	PERSEF2
LASARE3	Lasallian Recollection 3	0	H	LASARE2
<b>TOTAL</b>		<b>17</b>		

TWELFTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
THSIEE2	Thesis 2 for IE	1	H	THSIEE1
INTFILO	Introduction to Philosophy	3		
PROFEAS	Feasibility Study	3	S / S / H	INDUSMA/DEANSYS/IEFINMT
IEBSDAT	Introduction to Data Base Lecture	2	S	LBYIET1
LBYIET2	Introduction to Data Base Laboratory	1	C	IEBSDAT
SYSDYN1	System Dynamics	1	S	DISCSIM
LBYIEEH	System Dynamics Laboratory	1	S / C	LBYIEEG / SYSDYN1
KASPIL1	Pag-aaral sa Buhay, mga Akda at Nagawa ni Dr. Jose Rizal	3		
HUMALIT	Introduction to Literature	3		ENGLRES
<b>TOTAL</b>		<b>18</b>		

THIRTEENTH TERM				
COURSE	COURSE TITLE	UNITS		PREREQUISITES
TREDFOR	The Christian Vocation of Life	3	H	TREDTRI
KASPIL2	Kasaysayan ng Pilipinas	3	H	KASPIL1
THSIEE3	Thesis 3 for IE	1	H	THSIEE2
IEPRNET	Networking Principles	2	S	SYSINDE
APLIENT	Business Enterprise Applications Lecture	1	S	IEBSDAT
LBYIET3	Business Enterprise Applications Lab	1	C	APLIENT
SYSDYN2	Advanced System Dynamics	1	H	SYSDYN1
LBYIEE1	Advanced System Dynamics Laboratory	1	C / S	SYSDYN2 / LBYIEEH
OCCHSAF	Occupational Safety and Health	3	H	PRCIEE1
ADSEMI1	Advanced Seminar for Industrial Engineering Majors	1	H	PRCIEE1
<b>TOTAL</b>		<b>17</b>		

<b>LEGEND:</b>	H = HARD PRE-REQUISITE			
	S = SOFT PRE-REQUISITE			
	C = CO - REQUISITE			
<b>TOTAL UNITS:</b>	<b>220 (10)</b>			

**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.

**Prepared:** Mr. Richard C. Li  
Chair, Industrial Engineering  
Department

**Approved:**

**Dr. Jonathan R. Dungca**

*GCOE, Vice Dean*