



DE LA SALLE LIPA

LIPA CITY 4217 BATANGAS PHILIPPINES

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

Effective School Year 2012 - 2013

FIRST YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Algebra		College Algebra	None	3	3	0	AdvalEng		Advanced Algebra for Engineering	Algebra	3	3	0
Plastri		Plane & Spherical Trigonometry for Eng'g.	None	3	3	0	Solidme		Solid Mensuration	Algebra/Plastri	3	3	0
Chmstry		General Chemistry	None	4	3	3	Angeome		Analytic Geometry	Algebra/Plastri	3	3	0
Reled11		God's Revelation and Christian Faith	None	3	3	0	Comski2		Writing and Grammar Skills	Comski1	3	3	0
Komakad		Komunikasyon sa Akademikong Filipino	None	3	3	0	Pagbasa		Pagbasa at Pagsulat Tungo sa Pananaliksik	Komakad	3	3	0
Comski1		Reading, Thinking and Study Skills	Passed EDT	3	3	0	Reled12		Christology and Discipleship	Reled11	3	3	0
Physed1		Physical Fitness	None	2	2	0	Physed2		Fundamentals of Rhythmic Activities	Physed1	2	2	0
Nstpone		National Service Training Program 1	None	3	3	0	Nstptwo		National Service Training Program 2	Nstpone	3	3	0
Engdrw1		Engineering Drawing 1	None	1	0	3	Engdrw2		Engineering Drawing 2	Engdrw1	1	0	3
Kasapil		Kasaysayan ng Pilipinas	None	3	3	0	Genphil		General Philosophy	None	3	3	0
							Phillit		Philippine Literature	None	3	3	0
		TOTAL UNITS		28	26	6			TOTAL UNITS		30	29	3

SECOND YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Diffcal		Differential Calculus	Angeome/Solidme/AdvalEng	5	5	0	Intecal		Integral Calculus	Diffcal	5	5	0
Genpsych		General Psychology	None	3	3	0	Rizcour		Rizal's Life Works and Writings	None	3	3	0
Compro1**		Computer Fundamentals and Programming1	None	1	0	3	Wordlit		World Literature	None	3	3	0
Techcom		Technical Communication	Comski2	3	3	0	Econtax		Economics with Taxation and Land Reform	None	3	3	0
Engphy1		Engineering Physics 1	Algebra/Plastri	5	4	3	Compro2**		Computer Programming 2	Compro1**	1	0	3
Reled21		Church, Sacraments and Family	Reled11	3	3	0	Reled22		Christian Morality	Reled11	3	3	0
Phyed3b		Individual and Dual Sports	Physed2	2	2	0	Masipag		Masining na Pagpapahayag	Pagbasa	3	3	0
Poligov		Politics and Governance with Philippine Constitution	Kasapil	3	3	0	Physed4		Team Sports	Phyed3b	2	2	0
Prineco		Principles of Economics	AdvalEng	3	3	0	Engphy2		Engineering Physics 2	Engphy1	5	4	3
		TOTAL UNITS		28	26	6			TOTAL UNITS		28	26	6

THIRD YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Engprob		Engineering Probability and Statistics	Algebra	3	3	0	Advasta		Advanced Statistics	Engprob	3	2	3
Difequa		Differential Equations	Intecal	3	3	0	IEMath		Advanced Engineering Mathematics for IE	Difequa	3	3	0
Statics		Statics of Rigid Bodies	Engphy1/Intecal	3	3	0	Metheng*		Methods Engineering	Difequa/Engiman/Indusma	5	4	3
Engiman		Engineering Management	AdvalEng	3	3	0	Elemele		Elem. Electrical Engineering	Engphy2/Intecal	3	2	3
Environ		Environmental Engineering	Chmstry	2	2	0	IEMarks		IE Marketing Systems	Engiman	3	3	0
Engdrw3		Autocad 1/Computer Aided Drafting	Engdrw2	1	0	3	Induspro		Industrial Processes	Indusma	3	2	3
Indusma		Industrial Materials	Chmstry/Engphy2	3	3	0	Operes1		Operations Research 1	AdvalEng/IEMath	3	2	3
Finacco		Financial Accounting	Prineco	3	3	0	IECostA		IE Cost Accounting	Finacco	3	3	0
Manpsyc		Manufacturing Psychology for IE	Genpsyc	3	3	0							
		TOTAL UNITS		24	23	3			TOTAL UNITS		26	21	15

SUMMER						
Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab
Engecon		Engineering Economy	IECostA	3	3	0
Dynarib		Dynamics of Rigid Bodies	Statics	3	3	0
		TOTAL UNITS		6	6	0

FOURTH YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Baselec		Basic Electronics	Elemele	3	2	3	Operes3		Operations Research 3	Operes2	3	2	3
Operes2		Operations Research 2	Operes1	3	2	3	Prosys2		Statistical Quality Control	Prosys1	3	2	3
Ergonone		Introduction to Ergonomics	Metheng*	3	2	3	Prosys3		Production Planning and Control	Prosys2	5	4	3
Thermdy		Basic Thermodynamics	Engphy2/Intecal	3	3	0	Profeth		IE Professional Ethics	Engiman	3	3	0
Prosys1		Work Measurement	Metheng*	3	2	3	IERes1		IE Research 1	Operes3/Prosys3	2	1	3
Manacco		Managerial Accounting	Engecon	3	3	0	Ocusafe		Occupational Safety and Health	Environ	3	3	0
Deforma		Mechanics of Deformable Bodies	Statics	3	3	0	Ergontwo		Cognitive Ergonomics	Ergonone	3	2	3
		TOTAL UNITS		21	17	12			TOTAL UNITS		22	17	15

SUMMER						
Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab
IE OJT		IE On-the-Job Training	Prosys3/Profeth/Ocusafe	6	0	6
		TOTAL UNITS		6	0	6

FIFTH YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prepeq	Units	Hours	
					Lec	Lab						Lec	Lab
Faplade		Facilities Planning and Design	Operes3/Prosys3	3	2	3	IEFStwo		IE Project Feasibility Study 2	IEFSone	1	0	3
IERes2		IE Research 2	IERes1	1	0	3	IEelec3		IE Elective 3	IEelec1/IEelec2	3	3	0
IEelec1		IE Elective 1	Operes3/Prosys3	3	3	0	IEelec4		IE Elective 4	IEelec1/IEelec2	3	3	0
IEelec2		IE Elective 2	Operes3/Prosys3	3	3	0	Infosys		Management Information System	Compro2**/Engiman	3	3	0
IEFSone		IE Project Feasibility Study 1	Operes3/Prosys3	2	1	3	IE Review		Industrial Engineering Certification Review	candidate for grad.	3	0	9
Systemg		Systems Engineering	Operes3/Prosys3	3	3	0							
Sysmula		Systems Simulation	Operes3/Prosys3/Systemg	3	2	3							
IEFTSem		IE Field Trips and Seminars	Operes3/Prosys3/Cocuse	2	0	6							
		TOTAL UNITS		20	14	18			TOTAL UNITS		13	9	12

Notes:

*Engplus will be taken by those students who failed in the English Diagnostic Test.

SUGGESTED ELECTIVES :

Elective	Track 1: Production Engineering
IEelec1	Lean Manufacturing
IEelec2	Total Productive Maintenance and Reliability
IEelec3	Enterprise Resource Planning
IEelec4	Supply Chain Management

Elective	Track 3: Ergonomics/Human Factors Engineering
IEelec1	Personnel Management
IEelec2	Job Evaluation and Salary and Wage Administration
IEelec3	Risk Management
IEelec4	Cognitive Engineering

Elective	Track 2: Organization and Decision Systems
IEelec1	Total Quality Management
IEelec2	Six Sigma
IEelec3	Stochastic Processes in Engineering
IEelec4	Strategic Planning & Multi-Criteria Decision Making

Elective	Track 4: General Electives
IEelec1	Computer Applications in IE
IEelec2	Energy Management
IEelec3	Special Topics in IE
IEelec4	Special Problems in IE

Prepared:

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Department Chair, IE

Noted:

ENGR. MELDA R. MARTIN
Dean, CITE