



DE LA SALLE LIPA

LIPA CITY 4217 BATANGAS PHILIPPINES

BACHELOR OF SCIENCE IN ELECTRICAL 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
Chmstry		General Chemistry	None	4	3	3	Engdrw2		Engineering Drawing 2	Engdrw1	1	0	3
Engdrw1		Engineering Drawing 1	None	1	0	3	Comski2		Writing and Grammar Skills	Comski1	3	3	0
Comski1		Reading, Thinking and Study Skills	Passed EDT	3	3	0	Pagbasa		Pagbasa at Pagsulat Tungo sa Pananaliksik	Komakad	3	3	0
Komakad		Komunikasyon sa Akademikong Filipino	None	3	3	0	Genphil		General Philosophy	None	3	3	0
Algebra		College Algebra	None	3	3	0	Philit		Philippine Literature	None	3	3	0
Plastri		Plane & Spherical Trigonometry for Engineering	None	3	3	0	AdvalEng		Advanced Algebra for Engineering	Algebra	3	3	0
Nstpone		National Service Training Program 1	None	3	3	0	Solidme		Solid Mensuration	Algebra/Plastri	3	3	0
Phyzed1		Physical Fitness	None	2	2	0	Angeome		Analytic Geometry	Algebra/Plastri	3	3	0
Reled11		God's Revelation and Christian Faith	None	3	3	0	Nstptwo		National Service Training Program 2	Nstpone	3	3	0
Kasapil		Kasaysayan ng Pilipinas	None	3	3	0	Phyzed2		Fundamentals of Rhythmic Activities	Phyzed1	2	2	0
							Reled12		Christology and Discipleship	Reled11	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
Compro1**		Computer Fundamentals and Programming 1	None	1	0	3	Compro2**		Computer Programming 2	Compro1**	1	0	3
Engdrw3		Autocad 1/Computer Aided Drafting	Engdrw2	1	0	3	Wordlit		World Literature	None	3	3	0
Techcom		Technical Communication	Comski2	3	3	0	Intecal		Integral Calculus	Diffcal	5	5	0
Environ		Environmental Engineering	Chmstry	2	2	0	Phyzed4		Team Sports	Phyzed3b	2	2	0
Diffcal		Differential Calculus	Solidme/Angeome/AdvalEng	5	5	0	Engphy2		Engineering Physics 2	Engphy1	5	4	3
Genpsych		General Psychology	None	3	3	0	Rizcour		Rizal's Life, Works & Writings	None	3	3	0
Phyzed3b		Individual and Dual Sports	Phyzed2	2	2	0	Reled22		Christian Morality	Reled11	3	3	0
Engphy1		Engineering Physics 1	Algebra / Plastri	5	4	3	Econtax		Economics with Taxation and Land Reform	None	3	3	0
Reled21		Church, Sacraments and Family	Reled11	3	3	0	Safeman		Safety Management	None	2	2	0
Poligov		Politics & Governance with Philippine Constitution	Kasapil	3	3	0	Masipag		Masining na Pagpapahayag	Pagbasa	3	3	0
		TOTAL UNITS		28	25	9			TOTAL UNITS		30	28	6

SUMMER						
Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab
Engprob		Engineering Probability & Statistics	Algebra	3	3	0
EEsafe		EE Safety	Safeman	2	2	0
		TOTAL UNITS		5	5	0

THIRD YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Ckts001		Electrical Circuits 1	Intecal / Engphy2	4	3	3	Ckts002		Electrical Circuits 2	Ckts001	4	3	3
Elex001		Electronics Devices & Circuits	Intecal / Engphy2	4	3	3	DCMachi		DC Machinery	Co-requisite Ckts002	4	3	3
Elecmag		Engineering Electromagnetics	Intecal / Engphy2	3	3	0	Elex002		Electronic Circuit Analysis & Design	Elex001	4	3	3
Difequa		Differential Equations	Intecal	3	3	0	EEmath		Advanced Engineering Mathematics for EE	Difequa	3	3	0
Statics		Statics of Rigid Bodies	Intecal / Engphy1	3	3	0	Thermdy		Basic Thermodynamics	Intecal / Engphy2	3	3	0
EEWorks		Electrical Workshop	Engphy2	1	0	3	Engiman		Engineering Management	Safeman	3	3	0
Engecon		Engineering Economy	AdvalEng	3	3	0	NumMeth*		Numerical Methods with Computer Application	Co-req EEmath	3	2	3
Matscie		Fundamentals of Material Science & Engineering	Engphy2/Chmstry	3	3	0	Deforma		Mechanics of Deformable Bodies	Statics	3	3	0
		TOTAL UNITS		24	21	9			TOTAL UNITS		27	23	12

SUMMER						
Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab
Dynarib		Dynamics of Rigid Bodies	Statics	3	3	0
Consyst		Control System Analysis	EEmath/Ckts002	3	2	3
		TOTAL UNITS		6	5	3

FOURTH YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Ckts003		Electrical Circuits 3	Ckts002	3	2	3	Eletrad		Electrical Transmission and Distribution System	Acmachi/Ckts003	4	3	3
Acmachi		AC Machinery	DCmachi /Co-req Ckts003	4	3	3	Ilendes		Illumination Engineering Design	Co-requisite Eledesi	3	2	3
Acapdev		AC Apparatus and Devices	Co-req Acmachi	3	2	3	Resmete		Research Methods for EE	DCmachi	1	0	3
Comm001		Principles of Communications	Elex002	4	3	3	Eledesi		Electrical System Design	Acapdev	3	2	3
Logswit		Logic Circuits & Switching Theory	Elex001	4	3	3	Inelect		Industrial Electronics	Elex002	4	3	3
Flumech		Fluid Mechanics	Deforma	3	3	0	Infotec		Information Technology	Comm001	3	2	3
EEElec1		EE Elective 1	Dcmachi/Co-req Logswit	3	3	0	EEElec2		EE Elective 2	EEElec1	3	3	0
Elconet*		EE Laws, Contract & Ethics	Safeman	3	3	0							
		TOTAL UNITS		27	22	15			TOTAL UNITS		21	15	18

SUMMER						
Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab
Ojtrain		On-the-Job Training (300 hours)	Acmachi/Acapdev	6	300	hrs
		TOTAL UNITS		6	300	hrs

* PRE-REQUISITES OF EE REVIEW
Powplan, Powdesi, Logswit, Elconet*, Thermdy, Dynarib, Flumech, Ilendes, Consyst, Engecon, Engprob, Elecoma, Matscie, Comm001, Eletrad

FIFTH YEAR													
FIRST SEMESTER							SECOND SEMESTER						
Code	Grade	Description	Prereq	Units	Hours		Code	Grade	Description	Prereq	Units	Hours	
					Lec	Lab						Lec	Lab
Insacon		Instrumentation and Control	Inelect	3	2	3	EEreviw		EE Review	see above*	3	0	9
Powplan		Power Plant Engineering	Co-Requisite Powdesi	3	2	3	Tripsem		Field Trips & Seminars	Eledesi/Eletrad	2	0	6
Powdesi		Power System Analysis and Design	Eledesi	4	3	3	EEElec4		EE Elective 4	EEElec3	3	3	0
EEproje		EE Research Project	Resmete	1	0	3							
Elecoma		Electrical Equipment, Operation & Maintenance	Acapdev	3	3	0							
EEElec3		EE Elective 3	EEElec2	3	3	0							
Microsy*		Microprocessor System	Logswit	3	2	3							
		TOTAL UNITS		20	15	15			TOTAL UNITS		8	3	15

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

SUGGESTED ELECTIVES :

Elective	Track 1: Machine Automation and Process Control
EEElec1	Pneumatics and Process Control
EEElec2	Electropneumatics
EEElec3	Programmable Logic Controllers in Mfg. & Power System
EEElec4	Human Machine Interface

Elective	Track 3: Power System Protection
EEElec1	Protection of Alternators, Transformers, Bus-bars and Lines
EEElec2	Protective Relaying
EEElec3	Surge Protection in Power System
EEElec4	High Voltage Insulation Engineering

Elective	Track 2: Advance Power System Design
EEElec1	Distribution Design
EEElec2	Transmission Design
EEElec3	CAD in Power System Analysis and Design
EEElec4	System Protection Design

Prepared:

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Approved:

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