DE LA SALLE LIPA

LIPA CITY 4217 BATANGAS PHILIPPINES

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Effective School Year 2012-2013

FIRST YEAR

FIRST SEMESTER

Code	Grade	Description	Prereq	Units	Hours Lec	Hours Lab
Algebra		College Algebra	None	3	3	0
Plastri		Plane & Spherical Trigonometry for Engineering	None	3	3	0
Chmstry		General Chemistry	None	4	3	3
Engdrw1		Engineering Drawing 1	None	1	0	3
Reled11		God's Revelation and Christian Faith	None	3	3	0
Komakad		Komunikasyon sa Akademikong Filipino	None	3	3	0
Kasapil		Kasaysayan ng Pilipinas	None	3	3	0
Comski1		Reading, Thinking and Study Skills	Passed EDT	3	3	0
Nstpone		National Service Training Program 1	None	3	3	0
Physed1		Physical Fitness	None	2	2	0
		TOTAL UNITS		**28**	**26**	**6**

SECOND SEMESTER

Code	Grade	Description	Prereq	Units	Hours Lec	Hours Lab
AdvalEng		Advanced Algebra for Engineering	Algebra	3	3	0
Solidme		Solid Mensuration	Algebra/Plastri	3	3	0
Angeome		Analytic Geometry	Algebra/Plastri	3	3	0
Engdrw2		Engineering Drawing 2	Engdrw1	1	0	3
Genphil		General Philosophy	None	3	3	0
Comski2		Writing and Grammar Skills	Comski1	3	3	0
Pagbasa		Pagbasa at Pagsulat Tungo sa Pananaliksik	Komakad	3	3	0
Reled12		Christology and Discipleship	Reled11	3	3	0
Phillit		Philippine Literature	None	3	3	0
Nstptwo		National Service Training Program 2	NSTPone	3	3	0
Physed2		Fundamentals of Rhytmic Activities	Physed1	2	2	0
		TOTAL UNITS		**30**	**29**	**3**

SECOND YEAR

FIRST SEMESTER

Code	Grade	Description	Prereq	Units	Hours Lec	Hours Lab
Diffcal		Differential Calculus	Angeome/AdvalEng/Solidme	5	5	0
Engphy1		Engineering Physics1	Algebra/Plastri	5	4	3
Engdrw3		Autocad 1/Computer Aided Drafting	Engdrw2	1	0	3
Compro1**		Computer Fundamentals & Programming 1	None	1	0	3
Reled21		Church , Sacraments and Family	Reled11	3	3	0
Techcom		Technical Communication	Comski2	3	3	0
Poligov		Politics and Governance with Phil Const	Kasapil	3	3	0
Safeman		Safety Management	None	2	2	0
Phyed3b		Individual and Dual Sports	Physed2	2	2	0
Genpsych		General Psychology	None	3	3	0
		TOTAL UNITS		**28**	**25**	**9**

SECOND SEMESTER

Code	Grade	Description	Prereq	Units	Hours Lec	Hours Lab
Intecal		Integral Calculus	Diffcal	5	5	0
Engphy2		Engineering Physics2	Engphy1	5	4	3
Masipag		Masining na Pagpapahayag	Pagbasa	3	3	0
Wordlit		World Literature	None	3	3	0
Compro2**		Computer Programming 2	Compro1**	1	0	3
Reled22		Christian Morality	Reled11	3	3	0
Econtax		Economics w/ Taxation & Land Reform	None	3	3	0
Rizcour		Rizal's Life, Works and Writings	None	3	3	0
Physed4		Team Sports	Phyed3b	2	2	0
		TOTAL UNITS		**28**	**26**	**6**

SUMMER

Code	Grade	Description	Prereq	Units	Hours Lec	Hours Lab
Compfun*		Computer Hardware Fundamental	None	1	0	3
Dismath		Discrete Mathematics	AdvalEng	3	3	0
		TOTAL UNITS		**4**	**3**	**3**

THIRD YEAR

FIRST SEMESTER

Code	Grade	Description	Prereq	Units	Lec	Lab
Difequa		Differential Equation	Intecal	3	3	0
Statics		Static of Rigid Bodies	Engphy1/ Intecal	3	3	0
Ckts001		Electrical Circuits I	Engphy2/Intecal	4	3	3
Elex001		Electronics Devices and Circuits	Engphy2/Intecal	4	3	3
Datastruc		Data Structure and Algorithm Analysis	Compro2**	4	3	3
Compro3*		Computer System Organization with AL	Coreq-Datastruc	4	3	3
Commain**		Computer Maintenance and Safety Engineering	Compfun*	1	0	3
Environ		Environmental Engineering	Chmstry	2	2	0
		TOTAL UNITS		**25**	**20**	**15**

SECOND SEMESTER

Code	Grade	Description	Prereq	Units	Lec	Lab
CpEMath		Advance Eng'g Math for CpE	Difequa	3	3	0
Deforma		Mechanics of Deformable Bodies	Statics	3	3	0
Dynarib		Dynamic of Rigid Bodies	Statics	3	3	0
Ckts002		Electrical Circuits 2	Ckts001	4	3	3
Elex002		Electronics Circuit Analysis & Design	Elex001	4	3	3
Netwrk1*		CISCO Networking 1	Compfun*	3	2	3
Logswit		Logic Circuits & Switching Theory	Elex001	4	3	3
AIProg		Artificial Intelligence with Programming	Compro2**	1	0	3
		TOTAL UNITS		**25**	**20**	**15**

SUMMER

Code	Grade	Description	Prereq	Units	Lec	Lab
CompDes*		Computer Engineering Drafting and Design	Logswit/Engdrw3	1	0	3
Objprog		Object Oriented Programming	Datastruc	3	2	3
		TOTAL UNITS		**4**	**2**	**6**

FOURTH YEAR

FIRST SEMESTER

Code	Grade	Description	Prereq	Units	Lec	Lab
Adlogic		Adv. Logic Ckts & Design	Logswit	4	3	3
Enetcom		Engineering Ethics and Computer Laws	Logswit/Objprog	2	2	0
Consyst**		Feedback & Control Systems	Ckts002/Elex002/CpEMath	4	3	3
Compsys		Computer System Architecture	Compro3*	4	3	3
Netwrk2*		CISCO Networking 2	Netwrk1*	3	2	3
Pricomsy		Principles of Communication Systems	Elex002/Ckts002	3	3	0
Databas		Database System and Maintenance	Objprog	3	2	3
		TOTAL UNITS		**23**	**18**	**15**

SECOND SEMESTER

Code	Grade	Description	Prereq	Units	Lec	Lab
Softeng		Software Engineering	Datastruc	3	3	0
Digisig		Digital Signal Processing (DSP)	CpEMath	4	3	3
Systmad		System Analysis and Design	Datastruc / Objprog	3	2	3
Datacom		Data Communication	Pricomsy	3	3	0
Netwrk3*		CISCO Networking 3	Netwrk2*	3	2	3
Microsys*		Microprocessor System	Adlogic/Compro3*	4	3	3
CPElec1		Elective 1 (CPE)	Objprog	3	2	3
		TOTAL UNITS		**23**	**18**	**15**

SUMMER

Code	Grade	Description	Prereq	Units	Lec	Lab
Practic_CpE		Practicum (On-the -Job Training 300 hrs)	Microsys*	6	0	6
		TOTAL UNITS		**6**	**0**	**6**

FIFTH YEAR

FIRST SEMESTER

Code	Grade	Description	Prereq	Units	Lec	Lab
Engprob		Engineering Probability and Statistics	Intecal	3	3	0
Engecon		Engineering Economy	AdvalEng	3	3	0
Entrepre		Entrepreneurship	Engiman	3	3	0
CpEDes1		Design Project 1(Methods of Research)	Microsys*	2	2	0
Netwrk4*		CISCO Networking 4	Netwrk3*	3	2	3
Opsystem		Operating System	Compro3*	4	3	3
CPElec2		Elective 2 (CPE)	CPElec1	3	2	3
Engiman		Engineering Management	Safeman	3	3	0
		TOTAL UNITS		**24**	**21**	**9**

SECOND SEMESTER

Code	Grade	Description	Prepreq	Units	Lec	Lab
CpEDes2		Design Project2	CpEDes1	2	0	6
Semtrip		Seminars & Field Trips	Microsys*	2	0	6
CCNArev		CCNA Review	Netwrk4*	3	0	9
CPElec3		Elective 3 (CPE)	CPElec2	3	2	3
		TOTAL UNITS		**10**	**2**	**24**

SUGGESTED ELECTIVES :

Elective	Track 1: Embedded Systems
CPElec1	Embedded Systems
CPElec2	Microelectronics
CPElec3	Instrumentation and Control

Elective	Track 2: Microelectronics
CPElec1	IC Fabrication
CPElec2	Microelectronics
CPElec3	Test and Quality Assurance

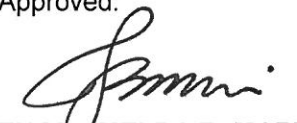| Elective	Track 3: Information Technology
CPElec1	Emerging Technology
CPElec2	Online Technology
CPElec3	Management and Information System

Elective	Track 4: Software Development
CPElec1	Database Management
CPElec2	Management and Information System
CPElec3	Project Management

* for Electives 1, 2, 3 refer to the suggested Elective Tracks

Prepared:

ENGR. AGNES Z. PEREZ
Department Chair, BS CpE

Approved:

ENGR. IMELDA R. MARTIN
Dean, CITE