

HOLY ANGEL UNIVERSITY
COLLEGE OF ENGINEERING AND ARCHITECTURE
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
EFFECTIVE S.Y. 2010 - 2011

FIRST YEAR, FIRST SEMESTER

COURSE CODE	COURSE TITLE	NO. OF HOURS			PREREQUISITE
		LEC.	LAB.	UNITS	
ALGEBRA1	Collge Algebra 1	3	0	3	NONE
TRIGO	Plane and Spherical Trigonometry	3	0	3	NONE
GENCHEM1	General Chemistry 1 Lecture	2	0	2	NONE
GENCHEM1L	General Checmistry 1 Laboratory	0	3	1	Coreq.: GENCHEM1
ESDRAW	Engineering Drawing	0	3	1	NONE
1ENGLISH	Reading and Writing	3	0	3	NONE
4PHILHIS	Philippine History	3	0	3	NONE
5THEO1	Doing Catholic Theology for Today's Filipino	3	0	3	NONE
5ORIENT	Orientation	1	0	1	NONE
7SELECT	Selt-Testing Activities	2	0	2	NONE
NSTP1	National Service Training Program 1			3	NONE
		20	6	25	

FIRST YEAR, SECOND SEMESTER

ALGEBRA2	Collge Algebra 2	2	0	2	ALGEBRA1
ANAGEO	Analytic Geometry	3	0	3	ALGEBRA1, TRIGO
SOLIDM	Solid Mensuration	2	0	2	ALGEBRA1, TRIGO
GENCHEM2	General Chemistry 2	1	3	2	GENCHEM1,GENCHEM1L
ARCDRAW	Architectural Drawing	0	3	1	ESDRAW
1SPEECH	Speech and Oral Communication	3	0	3	1ENGLISH
5LOGIC	Logic	3	0	3	NONE
5ARTAPP	Art Appreciation	3	0	3	NONE
5THEO2	Christian Moral Living of Today's Filipino	3	0	3	5THEO1
7RHYACT	Fundamentals of Rhythmic Activities	2	0	2	7SELECT
NSTP2	National Service Training Program 2			3	NSTP1
		22	6	27	

SECOND YEAR, FIRST SEMESTER

DIFFCAL	Differential Calculus	4	0	4	ALGEBRA2, ANAGEO, SOLIDM
PHYSICS1	Physics 1 Lecture	4	0	4	ALGEBRA1, TRIGO
PHYSICS1L	Physics 1 Laboratory	0	3	1	Coreq.: PHYSICS1
BASCAD	Basic Computer-Aided Drafting	0	3	1	ARCDRAW
4GENPSY	General Psychology	3	0	3	NONE
1TECHCOM	Technical Communication	3	0	3	1SPEECH
3FILKOM	Komunikasyon sa Akademikong Filipino	3	0	3	NONE
5THEO3	A Catholic View of Sexuality, Marriage and Family Life	3	0	3	5THEO2
7FUNGAM	Fundamentals of Games and Sports	2	0	2	7RHYACT
		22	6	24	

SECOND YEAR, SECOND SEMESTER

INTECAL	Integral Calculus	4	0	4	DIFFCAL
PHYSICS2	Physics 2 Lecture	4	0	4	PHYSICS1, PHYSICS1L
PHYSICS2L	Physics 2 Laboratory	0	3	1	Coreq.: PHYSICS2
COMFUN	Computer Fundamentals and Programming	0	6	2	2nd YR STANDING
APCAD	Advanced Computer-Aided Drafting and Applications	0	3	1	BASCAD
4RIZAL	Life and Works of Rizal	3	0	3	NONE
4PHIGOV	Politics and Governance with Philippine Constitution	3	0	3	4PHILHIS
3FILBAS	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	3FILKOM
5THEO4	A Theology of Social Transformation for the Filipino Catholic	3	0	3	5THEO3
7REACT	Recreational Activities	2	0	2	7FUNGAM
		22	12	26	

THIRD YEAR, FIRST SEMESTER

STATICS	Statics of Rigid Bodies	3	0	3	PHYSICS1, PHYSICS1L
CKTS1	Circuits 1 Lecture	3	0	3	PHYSICS2, PHYSICS2L, INTECAL
CKTS1L	Circuits 1 Laboratory	0	3	1	COREQ: CKST1
ELECDEV	Electronic Devices and Circuits Lecture	3	0	3	PHYSICS2, PHYSICS2L, INTECAL
ELECDEVL	Electronic Devices and Circuits Laboratory	0	3	1	COREQ: ELECDEV
DIFEQNS	Differential Equations	3	0	3	INTECAL
ENVISAFE	Environmental Engineering and Safety Management	3	0	3	GENCHEM2, 3rd YR STANDING
PRINECO	Principles of Economics with Taxation and Land Reform	3	0	3	NONE
5PHILOMAN	Philosophy of Man	3	0	3	NONE
		21	6	23	

THIRD YEAR, SECOND SEMESTER

DYNAMICS	Dynamics of Rigid Bodies	2	0	2	STATICS
MDEFBOD	Mechanics of Deformable Bodies	3	0	3	STATICS
DATASTRAN	Data Structure and Algorithm Analysis Lecture	3	0	3	COMFUN
DATASTRANL	Data Structure and Algorithm Analysis Laboratory	0	3	1	COREQ: DATASTRAN
CKTS2	Circuits 2 Lecture	3	0	3	CKTS1, CKTS1L
CKTS2L	Circuits 2 Laboratory	0	3	1	COREQ: CKTS2
ELECAD	Electronics Circuits Analysis and Design Lecture	3	0	3	ELECDEV, ELECDEVL,
ELECADL	Electronics Circuits Analysis and Design Laboratory	0	3	1	COREQ: ELECAD
ADVMATHNU	Advanced Engineering Mathematics with Numerical Methods	4	0	4	DIFEQNS
CPHARDWARE	Computer Hardware Fundamentals	0	4	1	NONE
		18	13	22	

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FOURTH YEAR, FIRST SEMESTER

COURSE CODE	COURSE TITLE	NO. OF HOURS			PREREQUISITE
		LEC.	LAB.	UNITS	
CONSYS	Control Systems	3	0	3	CKTS2, CKTS2L, ADVMATHNU
CONSYSL	Control Systems Lab	0	3	1	COREQ: CONSYS
LOGCAST	Logic Circuit and Switching Theory Lecture	3	0	3	ELECDEV, ELECDEVL
LOGCASTL	Logic Circuit and Switching Theory Laboratory	0	3	1	COREQ: LOGCAST
COMSYOAL	Computer Systems Organization with Assembly Language Lecture	3	0	3	DATASTRAN, DATASTRANL
COMSYOLL	Computer Systems Organization with Assembly Language Laboratory	0	3	1	COREQ: COMSYOAL
PRINCOM	Principles of Communications Lecture	3	0	3	ELECAD, ELECADL, CKTS2, CKTS2L
DISMATH	Discrete Mathematics	3	0	3	ALGEBRA2
COMDRAFTD	Computer Engineering Drafting and Design	0	3	1	3rd YR STANDING
COMPROG1	Computer Programming 1	0	3	1	COMFUN
ICT1	Information and Communications Technology 1	0	4	1	COMFUN
		15	19	21	

FOURTH YEAR, SECOND SEMESTER

ADLOCIR	Advanced Logic Circuit Design Lecture	3	0	3	LOGCAST, LOGCASTL
ADLOCIRL	Advanced Logic Circuit Design Lab	0	3	1	COREQ:ADLOCIR
DSP	Digital Signal Processing Lecture	3	0	3	ADVMATHNU
DSPL	Digital Signal Processing Laboratory	0	3	1	COREQ: DSP
PROSTAT	Probability and Statistics	3	0	3	ALGEBRA2, 3rd YR STANDING
ESENMGT	Engineering Management	3	0	3	3rd YR STANDING
MICROS	Microprocessor System	3	0	3	COMSYOAL, COMSYOLL, LOGCAST, LOGCASTL
MICROSL	Microprocessor System Lab	0	3	1	COREQ: MICROS
COMPROG2	Computer Programming 2	0	3	1	COMPROG1
ESENECO	Engineering Economy	3	0	3	3rd YR STANDING
PDPR	Personality Development and Public Relations	1	0	1	4TH YEAR STANDING
ICT2	Information and Communications Technology 2	0	4	1	ICT1
		19	16	24	

FOURTH YEAR, SUMMER

CPEOJT	Computer Engineering On-the-Job Training (minimum of 320 hours)			3	completed at least 170 units of the program
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FIFTH YEAR, FIRST SEMESTER

DATAKOM	Data Communications	3	0	3	PRINCOM
COMPSAR	Computer Systems Architecture Lecture	3	0	3	COMSYOAL, COMSYOLL, ADLOCIR, ADLOCIRL
COMPSARL	Computer Systems Architecture Laboratory	0	3	1	COREQ: COMPSAR
CPETHICS	Engineering Ethics and Computer Laws	2	0	2	5TH YEAR STANDING
OBPROG	Object Oriented Programming Lecture	3	0	3	DATASTRAN, DATASTRANL
OBPROGL	Object Oriented Programming Laboratory	0	3	1	COREQ: OBPROG
CPEPROJ1	Design Project 1	2	0	2	MICROS, MICROSL
ENTREPP	Entrepreneurship	3	0	3	5TH YEAR STANDING
SOFTENGG	Software Engineering	3	0	3	DATASTRAN, DATASTRANL
ICT3	Information and Communications Technology 3	0	4	1	ICT2
CPEELECT1	Elective 1			3	
		19	10	25	

FIFTH YEAR, SECOND SEMESTER

OPSYS	Operating Systems Lecture	3	0	3	COMSYOAL, COMSYOLL
OPSYSL	Operating Systems Laboratory	0	3	1	COREQ: OPSYS
COMPNET	Computer Networks	3	3	4	ICT3, DATAKOM
SYSAD	System Analysis and Design	2	3	3	OBPROG, OBPROGL
CPESFT	CPE Seminars and Field Trips	0	3	1	5TH YEAR STANDING
CPEPROJ2	Design Project 2	0	6	2	CPEPROJ1
CPEELECT2	Elective 2			3	
CPEELECT3	Elective 3			3	
		8	18	20	

TECHNICAL ELECTIVES

EMSYS	Embedded Systems	3	0	3	COMSYOAL, COMSYOLL
EMTECH	Emerging Technology	3	0	3	5th Year Standing
ICFAB	IC Fabrication	3	0	3	ELECDEV, ELECDEVL
INCTRLS	Instrumentation and Control	3	0	3	CONSYS, CONSYSL
MICROEL	Microelectronics	3	0	3	ADLOCIR, ADLOCIRL, ELECAD, ELECADL
PROJMGMT	Project Management	3	0	3	5th YR STANDING
LOGISTICS	Logistics Engineering and Management	3	0	3	4th YR STANDING
ADMECH	Mechatronics with Robotics Technology	2	3	3	CONSYS, CONSYSL
ONLINE	On-line Technology	2	3	3	COREQ: COMPNET
MIS	Management and Information System	3	0	3	5th YR STANDING
DBMS	Database Management System	2	3	3	5th YR STANDING