

HOLY ANGEL UNIVERSITY
COLLEGE OF ENGINEERING AND ARCHITECTURE
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
Program Code: Comp. Eng'g (with Addendum)
SCHOOL YEAR 2014-2015

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	CREDIT UNITS	PREREQUISITE(S) COREQUISITE(S)
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FIRST YEAR, FIRST SEMESTER

ALGEBRA1	College Algebra 1	3	0	3	None
TRIGO	Plane and Spherical Trigonometry	3	0	3	None
CHEMISTRY	General Chemistry Lecture	3	0	3	None
CHEMISTRYL	General Chemistry Laboratory	0	3	1	Coreq: CHEMISTRY
ESDRAW	Engineering Drawing	0	3	1	None
1ENGLISH	Reading and Writing	3	0	3	None
4PHILHIS	Philippine History	3	0	3	None
CLE1	Sowing Seeds of Faith	3	0	3	None
7SELFTEST	PE 1: Self-Testing Activities	2	0	2	None
CWTS1	Civic Welfare Training Services 1	0	3	3	None
TOTAL		20	9	25	

FIRST YEAR, SECOND SEMESTER

ALGEBRA2	College Algebra 2	2	0	2	ALGEBRA1
ANAGEO	Analytic Geometry	3	0	3	ALGEBRA1, TRIGO
SOLIDM	Solid Mensuration	2	0	2	ALGEBRA1, TRIGO
1SPEECH	Speech and Oral Communication	3	0	3	1ENGLISH
4LOGIC	Logic	3	0	3	None
4ARTAPP	Art Appreciation	3	0	3	None
CLE2	Step to Conversion	3	0	3	CLE1
7RHYTHMIC	PE 2: Fundamentals of Rhythmic Activities	2	0	2	7SELFTEST
CWTS2	Civic Welfare Training Services 2	0	3	3	CWTS1
TOTAL		21	3	24	

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
COMFUN1	Computer Fundamentals and Programming 1	0	3	1	None
BCADRAFT	Basic Computer-Aided Drafting	0	3	1	ESDRAW
4GENPSY	General Psychology	3	0	3	None
1TECHCOM	Technical Communication	3	0	3	1SPEECH
3FILKOM	Komunikasyon sa Akademikong Filipino	3	0	3	None
CLE3	Set to Uphold the Church's Conviction	3	0	3	CLE2
7GAMES	PE 3: Fundamentals of Games and Sports	2	0	2	7RHYTHMIC
TOTAL		22	9	25	

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
COMFUN2	Computer Fundamentals and Programming 2	0	3	1	COMFUN1
ADVCAD	Advanced Computer-Aided Drafting and Applications	0	3	1	BCADRAFT
4PHILOMAN	Philosophy of Man	3	0	3	None
4PHIGOV	Philippine Government and the New Constitution	3	0	3	4PHILHIS
3FILBAS	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	3FILKOM
CLE4	Send to be Evangelizers	3	0	3	CLE3
7TEAM	PE 4: Team Sports	2	0	2	7GAMES
TOTAL		22	9	25	

THIRD YEAR, FIRST SEMESTER

STATICS	Statics of Rigid Bodies	3	0	3	PHYSICS1, PHYSICS1L, INTECAL
CKTS1	Circuits 1 Lecture	3	0	3	INTECAL, PHYSICS2, PHYSICS2L
CKTS1L	Circuits 1 Laboratory	0	3	1	Coreq: CKTS1
ELECDEV	Electronic Devices and Circuits Lecture	3	0	3	INTECAL, PHYSICS2, PHYSICS2L
ELECDEVL	Electronic Devices and Circuits Laboratory	0	3	1	Coreq: ELECDEV
DIFEQNS	Differential Equations	3	0	3	INTECAL
ENVISAFETY	Environmental Engineering and Safety Management	3	0	3	CHEMISTRY, CHEMISTRYL, 3rd Year Standing
4PRINECO	Principles of Economics with Taxation and Land Reform	3	0	3	None
TOTAL		18	6	20	

THIRD YEAR, SECOND SEMESTER

DYNAMICS	Dynamics of Rigid Bodies	2	0	2	STATICS
MDEFBOD	Mechanics of Deformable Bodies	3	0	3	STATICS
DSALGO	Data Structures and Algorithms Analysis	3	0	3	COMFUN2
DSALGOL	Data Structures and Algorithms Analysis Laboratory	0	3	1	Coreq: DSALGO
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
COMPHWFUN	Computer Hardware Fundamentals	0	4	1	COMFUN2
TOTAL		18	13	22	

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FOURTH YEAR, FIRST SEMESTER

FBCON-CPE	Feedback and Control Systems	3	0	3	CKTS2, CKTS2L, ADVMATHNU
FBCONL-CPE	Feedback and Control Systems Laboratory	0	3	1	Coreq: FBCON-CPE
LOGCAST	Logic Circuits and Switching Theory	3	0	3	ELECAD, ELECADL
LOGCASTL	Logic Circuits and Switching Theory Laboratory	0	3	1	Coreq: LOGCAST
COMSYSORG	Computer Systems Organization with Assembly Language	3	0	3	DSALGO, DSALGOL
COMSYSORGL	Computer Systems Organization with Assembly Language Laboratory	0	3	1	Coreq: COMSYSORG
PRINCOM-CPE	Principles of Communications	3	0	3	ELECAD, ELECADL, CKTS2, CKTS2L
DISMATH	Discrete Mathematics	3	0	3	ALGEBRA2
CPEDRAFTD	Computer Engineering Drafting and Design	0	3	1	ADVCAD, COMFUN2
CMPROGRAM1	Computer Programming 1	0	3	1	DSALGO, DSALGOL
ICTECH1	Information and Communications Technology 1	0	4	1	COMFUN2, 4th Year Standing
TOTAL		15	19	21	

FOURTH YEAR, SECOND SEMESTER

ADLOCIR	Advanced Logic Circuits Design	3	0	3	LOGCAST, LOGCASTL
ADLOCIRL	Advanced Logic Circuits Design Laboratory	0	3	1	Coreq: ADLOCIR
DSP	Digital Signal Processing	3	0	3	ADVMATHNU
DSPL	Digital Signal Processing Laboratory	0	3	1	Coreq: DSP
PROSTAT	Probability and Statistics	3	0	3	ALGEBRA2, 3rd Year Standing
ESENMGT	Engineering Management	3	0	3	3rd Year Standing
MICROPROCS	Microprocessor Systems	3	0	3	COMSYSORG, LOGCAST, LOGCASTL, COMSYSORGL
MICROPROCSL	Microprocessor Systems Laboratory	0	3	1	Coreq: MICROPROCS
CMPROGRAM2	Computer Programming 2	0	3	1	CMPROGRAM1
ESENECO	Engineering Economy	3	0	3	3rd Year Standing
PDPR1	Personality Development and Public Relations	1	0	1	4th Year Standing
ICTECH2	Information and Communications Technology 2	0	4	1	ICTECH1
TOTAL		19	16	24	

FOURTH YEAR, SUMMER TERM

CPE-OJT	Computer Engineering On-the-Job Training (320 hours)			3	COMPHWFUN, FBCON-CPE, FBCONL-CPE, PRINCOM-CPE, DISMATH, CPEDRAFTD, ADLOCIR, ADLOCIRL, DSP, DSPL, MICROPROCS, MICROPROCSL, CMPROGRAM2
TOTAL				3	

FIFTH YEAR, FIRST SEMESTER

DATA-COM-CPE	Data Communications	3	0	3	PRINCOM-CPE
COMSYSARCH	Computer Systems Architecture	3	0	3	COMSYSORG, ADLOCIR, ADLOCIRL, COMSYSORGL
COMSYSARCHL	Computer Systems Architecture Laboratory	0	3	1	Coreq: COMSYSARCH
CPETHICS	Engineering Ethics and Computer Laws	2	0	2	5th Year Standing
OOPROG	Object-Oriented Programming	3	0	3	DSALGO, DSALGOL, CMPROGRAM2
OOPROGL	Object-Oriented Programming Laboratory	0	3	1	Coreq: OOPROG
CPEPROJECT1	Design Project 1	2	0	2	MICROPROCS, CPE-OJT, MICROPROCSL
ENTREPP	Entrepreneurship	3	0	3	5th Year Standing
SOFTWENG	Software Engineering	3	0	3	DSALGO, DSALGOL
ICTECH3	Information and Communications Technology 3	0	4	1	ICTECH2
CPEELECTIVE1	Technical Elective 1			3	
TOTAL		21	13	25	

FIFTH YEAR, SECOND SEMESTER

OSYSTEMS	Operating Systems	3	0	3	COMSYSORG, COMSYSORGL
OSYSTEMSL	Operating Systems Laboratory	0	3	1	Coreq: OSYSTEMS
CNETWORKS	Computer Networks	3	3	4	ICTECH3, DATA-COM-CPE
SYSTEMSAD	Systems Analysis and Design	2	3	3	OOPROG, OOPROGL
CPESFT	CpE Seminars and Field Trips	0	3	1	5th Year Standing
CPEPROJECT2	Design Project 2	0	6	2	CPEPROJECT1
4RIZAL	Life and Works of Rizal	3	0	3	None
CPEELECTIVE2	Technical Elective 2			3	
CPEELECTIVE3	Technical Elective 3			3	
TOTAL		13	21	23	

COURSE TOTAL

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TECHNICAL ELECTIVES

DBASE	Database Management System	2	3	3	DSALGO, DSALGOL
MECHTRONRT	Mechatronics with Robotics Technology	2	3	3	FBCON-CPE, FBCONL-CPE
EMBEDSYS	Embedded Systems	3	0	3	DSALGO, DSALGOL
EMTECH	Emerging Technology	3	0	3	5th Year Standing
ICFAB	IC Fabrication	3	0	3	ELECDEV, ELECDEVL
INSTRUMCON	Instrumentation and Controls	3	0	3	FBCON-CPE, FBCONL-CPE
MICROEL	Microelectronics	3	0	3	ADLOCIR, ELECAD, ELECADL, ADLOCIRL
PROJMGMT	Project Management	3	0	3	5th Year Standing
LOGISTICS	Logistics Engineering and Management	3	0	3	4th Year Standing
ONLINETECH	Online Technology	2	3	3	Coreq: CNETWORKS
MGMTINFO	Management Information Systems	3	0	3	COMFUN2

IMPORTANT: Registration in any subject is allowed only upon passing the prerequisite(s) of the said subject, if any. A subject enrolled in violation of this rule will not be given any credit regardless of the grade obtained.