

HOLY ANGEL UNIVERSITY
COLLEGE OF ENGINEERING AND ARCHITECTURE
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING
Program Code: Comp. Eng'g.
SCHOOL YEAR 2011-2012

COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	CREDIT UNITS	PREREQUISITE(S) COREQUISITE(S)
FIRST YEAR, FIRST SEMESTER					
ALGEBRA1	College 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 Chemistry 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
CLE1	Sowing Seeds of Faith	3	0	3	None
7SELECT	Self-Testing Activities	2	0	2	None
CWTS1	Civic Welfare Training Services 1	0	3	3	None
	TOTAL	19	9	24	

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
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
4LOGIC	Logic	3	0	3	None
4ARTAPP	Art Appreciation	3	0	3	None
CLE2	Step to Conversion	3	0	3	CLE1
7RHYACT	Fundamentals of Rhythmic Activities	2	0	2	7SELECT
CWTS2	Civic Welfare Training Services 2	0	3	3	CWTS1
	TOTAL	22	9	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
CLE3	Set to Uphold the Church's Conviction	3	0	3	CLE2
7FUNGAM	Fundamentals of Games and Sports	2	0	2	7RHYACT
	TOTAL	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 Year Standing
APCAD	Advanced Computer-Aided Drafting and Applications	0	3	1	BASCAD
4RIZAL	Life and Works of Rizal	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
7REACT	Recreational Activities	2	0	2	7FUNGAM
	TOTAL	22	12	26	

THIRD YEAR, FIRST SEMESTER					
STATICS	Statics of Rigid Bodies	3	0	3	PHYSICS1, PHYSICS1L, INTECAL
CKTS1	Circuits1 Lecture	3	0	3	PHYSICS2, PHYSICS2L, INTECAL
CKTS1L	Circuits1 Laboratory	0	3	1	Coreq: CKTS1
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 Year Standing
4PRINECO	Principles of Economics with Taxation and Land Reform	3	0	3	None
4PHILOMAN	Philosophy of Man	3	0	3	None
	TOTAL	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
DATASTRUCT	Data Structures and Algorithms Analysis	3	0	3	COMFUN
DATASTRUCTL	Data Structures and Algorithms Analysis Laboratory	0	3	1	Coreq: DATASTRUCT
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	COMFUN
	TOTAL	18	13	22	

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COURSE NO.	DESCRIPTION	LEC HRS	LAB HRS	CREDIT UNITS	PREREQUISITE(S) COREQUISITE(S)
FOURTH YEAR, FIRST SEMESTER					
FCONSYS-CPE	Feedback and Control Systems	3	0	3	CKTS2, CKTS2L, ADVMATHNU
FCONSYSL-CPE	Feedback and Control Systems Laboratory	0	3	1	Coreq: FCONSYS-CPE
LOGCAST	Logic Circuits and Switching Theory	3	0	3	ELECAD, ELECADL
LOGCASTL	Logic Circuits and Switching Theory Laboratory	0	3	1	Coreq: LOGCAST
COMSYOAL-CPE	Computer Systems Organization with Assembly Language	3	0	3	DATASTRUCT, DATASTRUCTL
COMSYOLL-CPE	Computer Systems Organization with Assembly Language Laboratory	0	3	1	Coreq: COMSYOAL-CPE
PRINCOM-CPE	Principles of Communications	3	0	3	ELECAD, ELECADL, CKTS2, CKTS2L
DISMATH	Discrete Mathematics	3	0	3	ALGEBRA2
COMDRAFTD	Computer Engineering Drafting and Design	0	3	1	3rd Year Standing
COMPROGRAM1	Computer Programming 1	0	3	1	DATASTRUCT, DATASTRUCTL
ICT1	Information and Communications Technology 1	0	4	1	COMFUN
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
MICROS-CPE	Microprocessor Systems	3	0	3	COMSYOAL, COMSYOLL, LOGCAST, LOGCASTL
MICROSL-CPE	Microprocessor Systems Laboratory	0	3	1	Coreq: MICROS-CPE
COMPROGRAM2	Computer Programming 2	0	3	1	COMPROGRAM1
ESENECO	Engineering Economy	3	0	3	3rd Year Standing
PDPRI	Personality Development and Public Relations	1	0	1	4th Year Standing
ICT2	Information and Communications Technology 2	0	4	1	ICT1
TOTAL		19	16	24	

FOURTH YEAR, SUMMER TERM

CPEOJT	Computer Engineering On-the-Job Training (320 hours)			3	Completed at least 170 units of the program
TOTAL				3	

FIFTH YEAR, FIRST SEMESTER

DATAKOM-CPE	Data Communications	3	0	3	PRINCOM-CPE
COMPSAR-CPE	Computer Systems Architecture	3	0	3	COMSYOAL-CPE, COMSYOLL-CPE, ADLOCIR, ADLOCIRL
COMPSARL-CPE	Computer Systems Architecture Laboratory	0	3	1	Coreq: COMPSAR-CPE
CPETHICS	Engineering Ethics and Computer Laws	2	0	2	5th Year Standing
OBJPROG	Object-Oriented Programming	3	0	3	DATASTRUCT, DATASTRUCTL
OBJPROGL	Object-Oriented Programming Laboratory	0	3	1	Coreq: OBJPROG
CPEPROJ1	Design Project 1	2	0	2	MICROS-CPE, MICROSL-CPE, CPEOJT
ENTREPP	Entrepreneurship	3	0	3	5th Year Standing
SOFTENGG	Software Engineering	3	0	3	DATASTRUCT, DATASTRUCTL
ICT3	Information and Communications Technology 3	0	4	1	ICT2
CPEELECT1	Elective 1			3	
TOTAL		19	10	25	

FIFTH YEAR, SECOND SEMESTER

OPSYSTEMS	Operating Systems	3	0	3	COMSYOAL-CPE, COMSYOLL-CPE
OPSYSTEMSL	Operating Systems Laboratory	0	3	1	Coreq: OPSYSTEMS
COMPNET	Computer Networks	3	3	4	ICT3, DATAKOM-CPE
SYSAD	Systems Analysis and Design	2	3	3	OBJPROG, OBJPROGL
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	
TOTAL		8	18	20	

COURSE TOTAL

239

TECHNICAL ELECTIVES

EMSYS	Embedded Systems	3	0	3	COMSYOAL-CPE, COMSYOLL-CPE
EMTECH	Emerging Technology	3	0	3	5th Year Standing
ICFAB	IC Fabrication	3	0	3	ELECDEV, ELECDEVL
INCNTRLS-CPE	Instrumentation and Controls	3	0	3	FCONSYS-CPE, FCONSYSL-CPE
MICROEL	Microelectronics	3	0	3	ADLOCIR, ADLOCIRL, ELECAD, ELECADL
PROJMGMT	Project Management	3	0	3	5th Year Standing
LOGISTICS	Logistics Engineering and Management	3	0	3	4th Year Standing
MECHTRONXRT	Mechatronics with Robotics Technology	2	3	3	FCONSYS-CPE, FCONSYSL-CPE
ONLINE	Online Technology	2	3	3	Coreq: COMPNET
MINFOSYS	Management Information Systems	3	0	3	5th Year Standing
DBMS	Database Management Systems	2	3	3	5th Year Standing

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.