

HOLY ANGEL UNIVERSITY
REGISTRAR'S OFFICE
COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
With Specialization in SYSTEMS DEVELOPMENT
EFFECTIVE S.Y. 2007-2008

FIRST YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
1ENGLISH	Reading and Writing (TVET)	3	0	3	NONE
2COLALG	College Algebra	3	0	3	NONE
3FILKOM	Komunikasyon sa Akademikong Filipino	3	0	3	NONE
4PHILHIS	Philippine History	3	0	3	NONE
5THEO1	Doing Catholic Theology for Today's Filipino	-3	0	-3	NONE
6FUNCOM	Computer Fundamentals & Applications (TVET)	2	0	2	NONE
6FUNCOML	Computer Fundamentals & Applications Lab (TVET)	0	1	1	NONE
6LOGFOR	Logic Formulation	2	0	2	NONE
6LOGFORL	Logic Formulation Lab	0	1	1	NONE
7SELECT	Self-Testing Activities	2	0	2	NONE
NSTP	National Service Training Program (TVET)	-3	0	-3	NONE
	TOTAL	18	2	20	NONE

FIRST YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
1SPEECH	Speech and Oral Communication	3	0	3	1ENGLISH
2PLATRI	Plane Trigonometry	3	0	3	2COLALG
4GENPSY	General Psychology	3	0	3	NONE
4GENSOC	General Sociology	3	0	3	NONE
5THEO2	Christian Moral Living of Today's Filipino	-3	0	-3	5THEO1
6BASICP	Basic Computer Programming	2	0	2	6LOGFOR/L
6BASICPL	Basic Computer Programming Lab	0	1	1	6LOGFOR/L
6HARDWARE1	Introduction to Computer Hardware / Software Technology (TVET)	0	3	3	6FUNCOM/L
7RHYACT	Fundamentals of Rhythmic Activities	2	0	2	7SELECT
NSTP	National Service Training Program (TVET)	-3	0	-3	NONE
	TOTAL	16	4	20	

SECOND YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
1LIT1	Literature of the Philippines	3	0	3	NONE
2ANAGEO	Analytic Geometry	3	0	3	2PLATRI
3FILBAS	Pagbasa at Pagsulat sa Pananaliksik	3	0	3	3FILKOM
5THEO3	A Catholic View of Sexuality, Marriage and Family Life	-3	0	-3	5THEO2
6DATAS	Data Structures and File Organization	2	0	2	6BASICP/L
6DATASL	Data Structures and File Organization Laboratory	0	1	1	6BASICP/L
6DBMS	Data Base Management System	2	0	2	6FUNCOM/L
6DBMSL	Data Base Management System Lab	0	1	1	6FUNCOM/L
6HARDWARE2	Advance Computer Hardware & Software Technology (TVET)	0	3	3	6HARDWARE1
6PETHICS	Professional Ethics (TVET)	3	0	3	6FUNCOM/L
7FUNGAM	Fundamentals of Games and Sports	2	0	2	7SELECT
	TOTAL	18	5	23	

SECOND YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
2DINCAL	Differential Calculus	3	0	3	2ANAGEO
2PROSTA	Statistics and Probabilities	3	0	3	2COLALG
5LOGIC	Logic	3	0	3	NONE
6COMPRG1	Structured Computer Programming I	2	0	2	6DATAS/L
6COMPRG1L	Structured Computer Programming I Lab	0	1	1	6DATAS/L
6NETWORK 1	Basic Network Concepts	0	4	4	6HARDWARE2
6OBORPRG	Object-Oriented Programming	2	0	2	6DBMS/L
6OBORPRGL	Object-Oriented Programming Lab	0	1	1	6DBMS/L
6WEBPROG1	Web Programming 1	0	3	3	6FUNCOM/L
7REACT	Recreational Activities	2	0	2	7SELECT
	TOTAL	15	9	24	

*Note: To be allowed to continue with the Bachelor of Science in Information Technology Program, a student should pass the qualifying exam for third year.

* Note: 1 unit laboratory = 3 hours laboratory hands-on except for 6HARDWARE, 6WEBPROG1, 6MULTIMEDIA, 6NETWORK1, 6NETWORK2, 6NETWORK3 & 6NETWORK4 (1 unit laboratory = 1 hour laboratory)

THIRD YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
4PRINECO	Principles of Economics	3	0	3	NONE
6COMPRG2	Structured Computer Programming 2	2	0	2	6COMPRG1/L
6COMPRG2L	Structured Computer Programming 2 Lab	0	1	1	6COMPRG1/L
6DEALGO	Design and Analysis of Algorithms	3	0	3	6DATAS/L
6DMATH	Discrete Math	3	0	3	2PLATRI
6OSYS	Operating Systems	3	0	3	6DATAS/L
6SAD	Systems Analysis and Design	3	0	3	6FUNCOM/L
6TECHCOM	Technical Communications in the Discipline	3	0	3	1ENGLISH
ITE ELEC1		0	3	3	
	TOTAL	20	4	24	
THIRD YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
6IS1	Independent Study	3	0	3	6SAD
6LOGDCC	Logic Design and Digital Computer Circuits	3	0	3	6DMATH
6PROGMAN	Project Management	3	0	3	6SAD
6QUALICON	Quality Consciousness, Habits and Processes	3	0	3	6PETHICS
6SOFENG	Software Engineering	3	0	3	6SAD
9PHYSICS1	Physics1	3	0	3	NONE
9PHYSICS1L	Physics1 Lab	0	1	1	NONE
ITE ELEC 2		0	3	3	
FREE ELEC 1		3	0	3	
	TOTAL	21	4	25	
THIRD YEAR, SUMMER TERM		LEC	LAB	CREDIT	PREREQUISITE
6ICOAM	Introduction to Computer Org. Architectural And Machine Level Programming	2	0	2	6OBORPRG/L, 6COMPRG2/L
6ICOAML	Introduction to Computer Org. Architectural And Machine Level Programming Lab	0	1	1	6OBORPRG/L, 6COMPRG2/L
6INDUSTRY	Industry Immersion	3	0	3	GRADUATING
ITE ELEC 3		0	3	3	
	TOTAL	5	4	9	
FOURTH YEAR, FIRST SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
4RIZAL	Life and Works of Rizal	3	0	3	NONE
5ARTAPP	Art Appreciation	3	0	3	NONE
6INTERFAC	Hardware & Software Interfacing	2	0	2	6LOGDCC/6ICOAM/L
6INTERFACL	Hardware & Software Interfacing Lab	0	1	1	6LOGDCC/6ICOAM/L
6IS2	Independent Study 2	3	0	3	6IS1
FREE ELEC 2		3	0	3	
FREE ELEC 3		3	0	3	
ITE ELEC 4		3	0	3	
	TOTAL	20	1	21	
FOURTH YEAR, SECOND SEMESTER		LEC	LAB	CREDIT	PREREQUISITE
6PRACTICUM	Practicum	3	0	3	
	TOTAL	3	0	3	
ITE ELECTIVES		LEC	LAB	CREDIT	PREREQUISITE
6AI	Artificial Intelligence	2	0	2	6LOGDCC/6DATAS/L
6AIL	Artificial Intelligence Lab	0	1	1	6LOGDCC/6DATAS/L
6MULTIMEDIA	Multimedia Programming	0	3	3	6WEBPROG1
6NETWORK2	Basic Router Configuration	0	4	4	6NETWORK1
6NETWORK3	Advance Router Configuration with Troubleshooting	0	4	4	6NETWORK2
6NETWORK4	Wide Area Network	0	4	4	6NETWORK3
6OPSAPPSL	Operating Systems Applications	0	3	3	6OSYS
6PROGLANG	Programming Paradigms	3	0	3	6COMPRG2/L
6STOPICS	Special Topics in IT	3	0	3	NONE
FREE ELECTIVES		LEC	LAB	CREDIT	PREREQUISITE
COURSE NO.	DESCRIPTION	HRS	HRS	UNITS	
1HUMCOM	Human Communication	3	0	3	1ENGLISH
4HUMRES	Human Resources Management	3	0	3	NONE
4ORGDEV	Organizational Development	3	0	3	4HUMRES/4BUPSY
4PANGAN	Kapampangan Culture	3	0	3	4GENPSY
4PHIGOV	Philippine Government & Constitution	3	0	3	4GENPSY
5PHILOMAN	Philosophy of Man	3	0	3	NONE
4PRINMAN	Principles of Management	3	0	3	NONE
ENTREP	Entrepreneurship	3	0	3	NONE
PERDEV	Personality Development	3	0	3	NONE

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