

HOLY ANGEL UNIVERSITY
COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
with Area of Specialization in Web Development
Program Code: BSITAreaWebDev
EFFECTIVE SCHOOL YEAR 2018-2019 (with Amendments)

COURSE CODE	COURSE TITLE	LEC HRS	LAB HRS	CREDIT UNITS	PREREQUISITE(S)
FIRST YEAR, FIRST SEMESTER					
2MATHMWORLD	Mathematics in the Modern World	3	0	3	None
9STS	Science, Technology and Society	3	0	3	None
6COMPRO1L	Computer Programming 1	2	3	3	None
6CFUN	Computing Fundamentals	3	0	3	None
4FYE1	Big History 1: Big Bang to the Future	3	0	3	None
THEOLOGY101	Theological Foundations: Judeo-Christian Tradition and Sacred Scriptures	3	0	3	None
7PE1	PE 1 - Movement Enhancement	2	0	2	None
CWTS1	Civic Welfare Training Services 1	0	3	3	None
TOTAL		19	6	23	

FIRST YEAR, SECOND SEMESTER

1PURCOMM	Purposive Communication	3	0	3	None
2ANAGEOM	Analytic Geometry	3	0	3	2MATHMWORLD
6DMS	Discrete Mathematics and Structures	3	0	3	2MATHMWORLD
6COMPRO2L	Computer Programming 2	2	3	3	6COMPRO1L
6HCI	Human Computer Interaction	0	3	3	6CFUN
4FYE2	Big History 2: Looking through the Lens of Big History	3	0	3	4FYE1
THEOLOGY102	Special Issues in Catholic Theology	3	0	3	THEOLOGY101
7PE2	PE 2 - Fitness Exercises	2	0	2	7PE1
CWTS2	Civic Welfare Training Services 2	0	3	3	CWTS1
TOTAL		19	9	26	

SECOND YEAR, FIRST SEMESTER

4ETHICS	Ethics	3	0	3	None
2CALCULUS	Calculus	3	0	3	2MATHMWORLD
2PROBSTAT	Probability and Statistics	3	0	3	2MATHMWORLD
6DSALGO	Data Structures and Algorithms	2	3	3	6COMPRO2L
6OOPLANG	Object-Oriented Programming	0	3	3	6COMPRO2L
6OSAPP	Operating Systems Application	0	3	3	6CFUN
6WEBTECHL	Web Technologies	0	3	3	6COMPRO1L
7PE3	PE 3 - Physical Activities towards Health and Fitness 1	2	0	2	7PE2
TOTAL		13	12	23	

SECOND YEAR, SECOND SEMESTER

4READPHILHIS	Readings in Philippine History	3	0	3	None
2LINALGEB	Linear Algebra	3	0	3	2MATHMWORLD
6INFOMAN	Information Management	2	3	3	6DSALGO
6DWEBTOOLS	Dynamic Web Applications and Development Tools	0	3	3	6WEBTECHL
6WCSEVER	Web Server and Client Services	0	3	3	6OSAPP
9CBPHYS	Calculus-based Physics	3	0	3	2CALCULUS
9CBPHYSL	Calculus-based Physics Laboratory	0	3	1	2CALCULUS, Co-req: 9CBPHYS
THEOLOGY103	Christian Spirituality in the Contemporary World	3	0	3	THEOLOGY102
7PE4	PE 4 - Physical Activities towards Health and Fitness 2	2	0	2	7PE3
TOTAL		16	12	24	

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THIRD YEAR, FIRST SEMESTER

6CNA	Campus Network Architecture	2	3	3	6CFUN
6ADVDBASE	Advanced Database Systems	0	3	3	6INFOMAN
6INFOASEC	Information Assurance and Security	2	3	3	6INFOMAN
6WEBSEA	Web Search Engine Optimization and Analytics	0	3	3	6DWEBTOOLS
6CPETHICS	Ethics for Computing Professionals	3	0	3	6CFUN
9CHEM	Chemistry	2	3	3	None
ELECTIVE1	IT Elective 1			3	
TOTAL		9	15	21	

THIRD YEAR, SECOND SEMESTER

1LIT12	Great Books	3	0	3	None
4UNDERSELF	Understanding the Self	3	0	3	None
6ADWEB	Advanced Dynamic Web Applications	0	3	3	6DWEBTOOLS
6APPDEV	Applications Development and Emerging Technologies	0	3	3	6COMPRO2L
6CLOUDCOMP	Cloud Computing	0	3	3	6INFOASEC
9NATSCN	Natural Science	3	0	3	None
ELECTIVE2	IT Elective 2			3	
TOTAL		9	9	21	

FOURTH YEAR, FIRST SEMESTER

6WDCAP1	Web Development Capstone 1	3	0	3	6ADWEB
6OJT	On-the-Job Training (486 hours)			6	4th Year Standing, Permission of Dean or Program Chair
TOTAL		3	0	9	

FOURTH YEAR, SECOND SEMESTER

4ARTAPP	Art Appreciation	3	0	3	None
4CONWORLD	The Contemporary World	3	0	3	None
4RIZAL	Life and Works of Rizal	3	0	3	None
6WDCAP2	Web Development Capstone 2	3	0	3	6WDCAP1
ELECTIVE3	IT Elective 3			3	
ELECTIVE4	IT Elective 4			3	
TOTAL		12	0	18	

PROGRAM TOTAL

165

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.

NOTES: The nth Year Standing means that the student must have completed at least 75% of the load requirements of the previous year level.

This curriculum is based on requirements specified by Commission on Higher Education (CHED) Memorandum Order No. 25, series of 2015: Revised Policies, Standards and Guidelines for Bachelor of Science in Computer Science (BSCS), Bachelor of Science in Information Systems (BSIS), and Bachelor of Science in Information Technology (BSIT) Programs.

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IT ELECTIVES					
6ADVANS	Advanced Routing and Switching	2	3	3	6CNA
6WANTECH	Wide Area Networking Technologies	2	2	3	6ADVANS
6ASI	Application and Systems Integration	0	3	3	6DSALGO, 6OOPLANG
6BCHAIN	Blockchain Technology	2	3	3	6INFOMAN, 6INFOASEC
6PROJMGMT	Project Management	3	0	3	6INFOMAN
6SHWINT	Software and Hardware Interfacing	0	3	3	6CFUN
6SYSAD	Systems Analysis and Design	3	0	3	6COMPRO2L
6WEBDEVFOL	Web Development Portfolio	3	0	3	6DWEBTOOLS
6NSEURE	Network Security Implementation	0	4	3	6ADVANS
6IMSFTWENG	Implementation and Management of Software Engineering	3	0	3	6SYSAD, 6INFOMAN