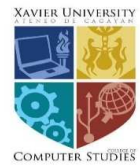




**XAVIER UNIVERSITY - ATENEO DE CAGAYAN**  
**COLLEGE OF COMPUTER STUDIES**  
**Department of Information Systems**



Xavier University  
ATENEO DE CAGAYAN

**BACHELOR OF SCIENCE IN INFORMATION SYSTEMS (BSIS)**

Curriculum Effective SY 2018-2019

FIRST YEAR									
Course Code	Descriptive Title	Units			Hours per week			Pre-requisite	
		Total	Lec	Lab	Total	Lec	Lab		
<b>First Semester</b>									
CC 10	Introduction to Computing	3	3		3	3		None	
CC 11	Computer Programming 1	3	2	1	5	2	3	None	
ENGL 1	Written Communication Skills Enhancement	3	3		3	3		None	
HIST 1	Readings in Philippine History	3	3		3	3		None	
IFP 1	Ignatian Formation Program	(1)	(1)		(1)	(1)			
MATH 4	Mathematics in the Modern World	3	3		3	3		None	
NSTP 1	National Service Training Program 1	3	3		3	3		None	
PE 11	PATH-FIT 1: Movement Competency Training	2	2		2	2		None	
RS 10	A Religious Quest	3	3		3	3		None	
<b>TOTAL</b>		<b>23</b>	<b>22</b>	<b>1</b>	<b>25</b>	<b>22</b>	<b>3</b>		
<b>Second Semester</b>									
CC 12	Computer Programming 2	3	2	1	5	2	3	CC 11	
CC 13	Data Structures and Algorithms	3	3		3	3		CC 11	
ENGL 2	Oral Communication Skills Enhancement	3	2	1	5	2	1	None	
FIL 67/IDE 10	Wika, Kultura at Lipunan/Interdisciplinary Elective 1	3	3		3	3		None	
NSTP 2	National Service Training Program 2	3	3		3	3		NSTP 1	
PE 12	PATH-FIT 2: Fitness Training	2	2		2	2		None	
PSY 1	Understanding the Self	3	3		3	3		None	
STS 10	Science, Technology, and Society	3	3		3	3		None	
<b>TOTAL</b>		<b>23</b>	<b>21</b>	<b>2</b>	<b>27</b>	<b>21</b>	<b>4</b>		
<b>SECOND YEAR</b>									
Course Code	Descriptive Title	Units			Hours per week			Pre-requisite	
		Total	Lec	Lab	Total	Lec	Lab		
<b>First Semester</b>									
ISCC 16	Technopreneurship	3	3		3	3		CC 10	
CC 14	Database Systems and Information Management	3	2	1	5	2	3	CC 13	
ISCC 10	Fundamentals of Information Systems	3	3		3	3		CC 10	
ISCC 11	Organization and Management Concepts	3	3		3	3		CC 10	
ISCC 20	IT Infrastructure and Network Technologies	3	2	1	5	2	3	CC 10	
FIL 77/IDE 20	Sinesosyedad/Pelikulang Panlipunan/ Interdisciplinary Elective 2	3	3		3	3		None	
PE 13	PATH-FIT 3: Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	2		2	2		None	
SocEcon 10	The Contemporary World	3	3		3	3		None	
<b>TOTAL</b>		<b>23</b>	<b>21</b>	<b>2</b>	<b>27</b>	<b>21</b>	<b>6</b>		
<b>Second Semester</b>									
CC 15	Applications Development and Emerging Technologies	3	2	1	5	3	2	CC 14	
ISCC 12	Financial Management	3	3		3	3		ISCC 11	
ISCC 21	Project Management	3	3		3	3		CC 10	
ISCC 22	Systems Analysis and Design	3	3		3	3		CC 12	
ENGL 5	Purposive Communication	3	3		3	3		None	
ENGL 7	Art Appreciation	3	3		3	3		None	
HIST 2	Life and Works of Rizal	3	3		3	3		None	
PE 14	PATH-FIT 4: Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	2		2	2		None	
<b>TOTAL</b>		<b>23</b>	<b>22</b>	<b>1</b>	<b>25</b>	<b>23</b>	<b>2</b>		

THIRD YEAR								
Course Code	Descriptive Title	Units			Hours per week			Pre-requisite
		Total	Lec	Lab	Total	Lec	Lab	
<b>First Semester</b>								
Elective 1	Professional Elective 1*	3	3		3	3		3rd yr standing
Elective 2	Professional Elective 2*	3	3		3	3		3rd yr standing
ISCC 13	Business Process Design and Management	3	3		3	3		ISCC 12
ISCC 23	Enterprise Architecture	3	3		3	3		ISCC 20
ISCC 24	IS Strategy, Management and Acquisition	3	3		3	3		ISCC 10
FL 1	Foreign Language 1***	3	2	1	3	2	1	None
PHILO 25	Philosophy of Religion	3	3		3	3		None
<b>TOTAL</b>		<b>21</b>	<b>20</b>	<b>1</b>	<b>21</b>	<b>20</b>	<b>1</b>	
<b>Second Semester</b>								
CSCC 35	Human Computer Interaction	3	3		3	3		CC 10
Elective 3	Professional Elective 3*	3	3		3	3		3rd yr standing
ISCC 15	Accounting and Financials	3	3		3	3		ISCC 12
ISCC 14	Evaluation of Business Performance	3	3		3	3		ISCC 13
ITCC 21	Information Assurance and Security 1	3	3		3	3		CC 10
PHILO 23	Ethics	3	3		3	3		None
RS 45	Faith in Action: A Mission Experience	3	3		3	3		RS 10
<b>TOTAL</b>		<b>21</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>21</b>	<b>0</b>	
<b>Summer</b>								
CC 20	Research and Quantitative Methods in Computing	3	3		3	3		3rd yr standing
Elective 4	Professional Elective 4*	3	3		3	3		3rd yr standing
<b>TOTAL</b>		<b>6</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>0</b>	
<b>FOURTH YEAR</b>								
Course Code	Descriptive Title	Units			Hours per week			Pre-requisite
		Total	Lec	Lab	Total	Lec	Lab	
<b>First Semester</b>								
CC 50	Practicum**	9	9					4th yr standing
ISCC 51	IS Capstone Project 1	3	3		3	3		CC 20
<b>TOTAL</b>		<b>12</b>	<b>12</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	
<b>Second Semester</b>								
CC 21	Social Issues and Professional Practice	3	3		3	3		None
ISCC 52	IS Capstone Project 2	3	3		3	3		ISCC 51
FL 2	Foreign Language 2***	3	2	1	3	2	1	FL 1
ENGL 65/ IDE 30	Literary Trends in the Millennium/ Interdisciplinary Elective 3	3	3		3	3		None
<b>TOTAL</b>		<b>12</b>	<b>11</b>	<b>1</b>	<b>12</b>	<b>11</b>	<b>1</b>	

\*For Professional Electives, student must be at least 3rd yr in standing.

\*\*ISC Practicum is 486 hours

\*\*\*FL is two courses of a foreign language, e.g. French 1 and French 2.

**BSIS Total Units: 164**