



BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(with Specialization Tracks)
ENHANCED CURRICULUM SY 2018 - 2019

FIRST YEAR			Units			Hours		Pre-requisites
First Semester			Lec	Lab	Lec	Lab		
_____	Comp 1	Introduction to Computing	3	2	1	2	3	None
_____	GEC-UTS	Understanding the Self	3	3	0	3	0	None
_____	Comp 2	Computer Programming 1 (Fundamentals of Programming)	3	2	1	2	3	None
_____	GEC-RPH	Readings in Philippine History	3	3	0	3	0	None
_____	GEC-MATH	Mathematics in the Modern World	3	3	0	3	0	None
_____	PE 1	Physical Fitness & Gymnastic	2	2	0	2	0	None
_____	NSTP 1	National Service Training Program 1	3	3	0	3	0	None
			20					

Second Semester								
_____	Comp 3	Computer Programming 2 (Intermediate Programming)	3	2	1	2	3	Comp 2
_____	Math 1	College Algebra	3	3	0	3	0	GEC-MATH
_____	GEC-TCW	The Contemporary World Science, Technology and Society	3	3	0	3	0	None
_____	GEC-STS	Society	3	3	0	3	0	None
_____	GEC-ART	Art Appreciation	3	3	0	3	0	None
_____	PE 2	Rhythmic Activities	2	2	0	2	0	PE 1
_____	NSTP 2	National Service Training Program 2	3	3	0	3	0	NSTP 1
			<u>20</u>					

SECOND YEAR			Units			Hours		Pre-requisites
First Semester			Lec	Lab	Lec	Lab		
_____	Comp 4	Data Structures and Algorithms	3	2	1	2	3	Comp 3
_____	GEC-PCOM	Purposive Communication	3	3	0	3	0	None
_____	IT 1	Computer Organization	3	2	1	2	3	Comp 1 & Comp 2
_____	IT 2	Accounting Principles	3	3	0	3	0	Math 1
_____	IT 3	Elective 1	3	2	1	2	3	Comp 1 & Comp 2
_____	Math 2	Trigonometry	3	3	0	3	0	Math 1
_____	PE 3	Individual & Dual Sports	2	2	0	2	0	PE 2
			20					

Second Semester

_____	IT 4	Elective 2	3	2	1	2	3	IT 3
_____	Rizal	The Life and Works of Rizal	3	3	0	3	0	None
_____	IT 5	Operating Systems	3	2	1	2	3	IT 1
_____	IT 6	Networking 1	3	2	1	2	3	IT 1
_____	IT 7	Object-Oriented Programming	3	2	1	2	3	Comp 4
_____	Math 3	Analytic Geometry	3	3	0	3	0	Math 2
_____	GEC-ETHICS	Ethics (Professional Ethics)	3	3	0	3	0	None
_____	PE 4	Team Sports & Recreation	2	2	0	2	0	PE 3
			<u>23</u>					

THIRD YEAR**First Semester**

THIRD YEAR			Units		Hours		Pre-requisites	
First Semester			Lec	Lab	Lec	Lab		
_____	Comp 5	Information Management	3	2	1	2	3	Comp 4
_____	IT 8	Web Systems and Technologies	3	2	1	2	3	IT 3
_____	IT 9	Systems Analysis & Design	3	2	1	2	3	IT 5 & Comp 4
_____	IT 10	Human Computer Interaction (HCI)	3	2	1	2	3	IT 4
_____	IT 11	Networking 2	3	2	1	2	3	IT 6
_____	IT 12	Elective 3	3	2	1	2	3	IT 4
_____	Math 4	Differential Calculus	3	3	0	3	0	Math 3
			21					

Second Semester

_____	Fil 1	Komunikasyon sa Akademikong Filipino	3	3	0	3	0	None
_____	IT 13	Elective 4	3	2	1	2	3	IT 12
_____	IT 14	Capstone Project 1	3	3	0	3	0	IT 9
_____	Math 3C	Probability and Statistics	3	3	0	3	0	Math 3
_____	IT 15	Networking 3	3	2	1	2	3	IT 11
_____	Comp 6	Applications Development and Emerging Technologies	3	2	1	2	3	Comp 5 & IT 7
_____	Math 5	Integral Calculus	3	3	0	3	0	Math 4
			<u>21</u>					

SUMMER

_____	Phys 1	Calculus-based Physics 1	3	1	2	2	3	Math 5
_____	IT 16	Discrete Structures	3	3	0	3	0	Math 5 & Comp 4
_____	IT 17	Computer Troubleshooting and Repair	3	2	1	2	3	IT 15
			<u>9</u>					

FOURTH YEAR			Units		Hours		Pre-requisites
First Semester			Lec	Lab	Lec	Lab	
_____ IT 18	OJT / Internship (600 hours)	<u>9</u> 9	9	0	9	0	4th Year Standing
Second Semester							
_____ Phys 2	Calculus-based Physics 2	3	1	2	2	3	Phys 1
_____ FL	Foreign Language	3	3	0	3	0	None
_____ Fil 2	Masining na Pagpapahayag	3	3	0	3	0	Fil 1
_____ IT 19	Seminars & Field Trip	3	3	0	3	0	4th Year Standing
_____ IT 20	Networking 4	3	2	1	2	3	IT 15
_____ IT 21	Capstone Project 2-Technopreneurship	<u>3</u> 18	3	0	3	0	IT 14

Electives for Specialization

Tracks:

DIGITAL ANIMATION

IT 3 - Elective 1	Principles of Animation
IT 4 - Elective 2	Digital Imaging and 2D Animation
IT 12 - Elective 3	3D Modelling and Animation
IT 13 - Elective 4	Audio and Video Editing

MULTIMEDIA TECHNOLOGIES

IT 3 - Elective 1	Introduction to Multimedia Technologies
IT 4 - Elective 2	Desktop Publishing and Graphics Design
IT 12 - Elective 3	Interactive Multimedia Authoring
IT 13 - Elective 4	Advanced Multimedia Systems

Electives for No Specialization Track:

IT 3 - Elective 1	Current Trends in IT
IT 4 - Elective 2	Mobile Technology
IT 12 - Elective 3	Mandarin
IT 13 - Elective 4	Project Management

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BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(with Specialization Tracks)
ENHANCED CURRICULUM Effective SY 2021 - 2022

FIRST YEAR			Units			Hours		Pre-requisites
First Semester			Lec	Lab		Lec	Lab	
Comp 1	Introduction to Computing	3	2	1		2	3	None
GEC-UTS	Understanding the Self	3	3	0		3	0	None
Comp 2	Computer Programming 1 (Fundamentals of Programming)	3	2	1		2	3	None
GEC-MATH	Mathematics in the Modern World	3	3	0		3	0	None
BSC 1	Being Skills Course 1	1.5	1.5	0		1.5	0	None
PE 1	Physical Fitness & Gymnastic	2	2	0		2	0	None
NSTP 1	National Service Training Program 1	3	3	0		3	0	None
		18.5						

Second Semester								Pre-requisites
			Lec	Lab		Lec	Lab	
Comp 3	Computer Programming 2 (Intermediate Programming)	3	2	1		2	3	Comp 2
Math 1	College Algebra	3	3	0		3	0	GEC-MATH
GEC-PCOM	Purposive Communication	3	3	0		3	0	None
GEC-TCW	The Contemporary World	3	3	0		3	0	None
GEC-ART	Art Appreciation	3	3	0		3	0	None
BSC 2	Being Skills Course 2	1.5	1.5	0		1.5	0	BSC 1
PE 2	Rhythmic Activities	2	2	0		2	0	PE 1
NSTP 2	National Service Training Program 2	3	3	0		3	0	NSTP 1
		21.5						

SECOND YEAR			Units			Hours		Pre-requisites
First Semester			Lec	Lab		Lec	Lab	
Comp 4	Data Structures and Algorithms	3	2	1		2	3	Comp 3
GEC-RPH	Readings in Philippine History	3	3	0		3	0	None
GEC-STC	Science, Technology and Society	3	3	0		3	0	None
IT 1	Computer Organization	3	2	1		2	3	Comp 1 & Comp 2
IT 2	Accounting Principles	3	3	0		3	0	Math 1
IT 3	Elective 1	3	2	1		2	3	Comp 1 & Comp 2
Math 2	Trigonometry	3	3	0		3	0	Math 1
PE 3	Individual & Dual Sports	2	2	0		2	0	PE 2
		23						

Second Semester

IT 4	Elective 2	3	2	1	2	3	IT 3
IT 5	Operating Systems	3	2	1	2	3	IT 1
IT 6	Networking 1	3	2	1	2	3	IT 1
IT 7	Object-Oriented Programming	3	2	1	2	3	Comp 4
Math 3	Analytic Geometry	3	3	0	3	0	Math 2
GEC-ETHICS	Ethics (Professional Ethics)	3	3	0	3	0	None
EPC	English Proficiency	3	3	0	3	0	None
PE 4	Team Sports & Recreation	2	2	0	2	0	PE 3
		23					

**THIRD YEAR
First Semester**

THIRD YEAR				Units		Hours		Pre-requisites
First Semester				Lec	Lab	Lec	Lab	
Comp 5	Information Management	3	2	1	2	3	Comp 4	
IT 8	Web Systems and Technologies	3	2	1	2	3	IT 3	
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		21						

Second Semester

IT 13	Elective 4	3	2	1	2	3	IT 12
IT 14	Capstone Project 1	3	3	0	3	0	IT 9
Math 3C	Probability and Statistics	3	3	0	3	0	Math 3
IT 15	Networking 3	3	2	1	2	3	IT 11
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		18					

SUMMER

Phys 1	Calculus-based Physics 1	3	1	2	2	3	Math 5
IT 16	Discrete Structures	3	3	0	3	0	Math 5 & Comp 4
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FOURTH YEAR First Semester			Units			Hours		Pre-requisites
			Lec	Lab		Lec	Lab	
IT 18	OJT / Internship (600 hours)	9	9	0		9	0	4th Year Standing
			9					

Second Semester

Phys 2	Calculus-based Physics 2	3	1	2		2	3	Phys 1
Rizal	The Life and Works of Rizal	3	3	0		3	0	None
FL	Foreign Language	3	3	0		3	0	None
IT 19	Seminars & Field Trip	3	3	0		3	0	4th Year Standing
IT 20	Networking 4	3	2	1		2	3	IT 15
IT 21	Capstone Project 2-Technopreneurship	3	3	0		3	0	IT 14
			18					

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IT 12 - Elective 3 - 3D Modelling and Animation
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Electives for No Specialization Track:

IT 3 - Elective 1 - Current Trends in IT
IT 4 - Elective 2 - Mobile Technology
IT 12 - Elective 3 - Mandarin
IT 13 - Elective 4 - Project Management

MULTIMEDIA TECHNOLOGIES

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IT 4 - Elective 2 - Desktop Publishing and Graphics Design
IT 12 - Elective 3 - Interactive Multimedia Authoring
IT 13 - Elective 4 - Advanced Multimedia Systems

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