



University of Science and Technology of Southern Philippines
College of Information Technology and Computing
 Department of Information Technology and Computing

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
 EFFECTIVE S.Y. 2018-2019

FIRST YEAR								
<i>First Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	111	Introduction to Computing	2	3	5	3	NONE	NONE
IT	112	Computer Programming 1	2	3	5	3	NONE	NONE
ENG	101	Purposive Communication	3	0	3	3	NONE	NONE
SS	102	Readings in Philippine History	3	0	3	3	NONE	NONE
SS	103	The Contemporary World	3	0	3	3	NONE	NONE
MATH	101	Mathematics in the Modern World	3	0	3	3	NONE	NONE
PE	101	Physical Activity Towards Health and Fitness 1	2	0	2	2	NONE	NONE
NSTP	101	CTWS/ROTC 1	3	0	3	3	NONE	NONE
				Total	27	23		
FIRST YEAR								
<i>Second Semester</i>								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	121	Computer Programming 2	2	3	5	3	IT111,IT112	NONE
IT	122	Data Structures and Algorithms	2	3	5	3	IT111,IT112	NONE
IT	123	Discrete Mathematics	3	0	3	3	Math101	NONE
Eng	102	Art Appreciation	3	0	3	3	NONE	NONE
SS	101	Understanding the Self	3	0	3	3	NONE	NONE
ES	101	Science, Technology, and Society	3	0	3	3	NONE	NONE
PE	102	Physical Activity Towards Health and Fitness 2	2	0	2	2	PE101	NONE
NSTP	201	CWTS/ROTC 2	3	0	3	3	NSTP101	NONE
				Total	27	23		



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SECOND YEAR								
First Semester								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	211	Intro to Human Computer Interaction	2	3	5	3	IT121,IT122	NONE
IT	212	Fundamentals of Database Systems	2	3	5	3	IT121, IT122	NONE
IT	213	Platform Technologies	2	3	5	3	IT122	NONE
IT	214	Object Oriented Programming	2	3	5	3	IT122	NONE
IT	215	Accounting Principles	3	0	3	3	Math101	NONE
ES	102	Environmental Science	3	0	3	3	NONE	NONE
PE	103	Physial Activity Towards Health and Fitness 3	2	0	2	2	PE101	NONE
				Total	23	20		
SECOND YEAR								
Second Semester								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	221	Information Management	2	3	5	3	IT212	NONE
IT	222	Networking 1	2	3	5	3	IT213	NONE
IT	223	Web Systems and Technologies	2	3	5	3	IT212, IT214	NONE
IT	224	Systems Integration and Architecture 1	2	3	5	3	IT211, IT212,	NONE
SS	104	Ethics	3	0	3	3	NONE	NONE
FIL	102	Panitikan	3	0	3	3	NONE	NONE
SS	105	The Life and Works of Rizal	3	0	3	3	NONE	NONE
PE	104	Physial Activity Towards Health and Fitness 4	2	0	2	2	PE101	NONE
				Total	31	23		



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THIRD YEAR								
First Semester								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	311	Information Assurance and Security	2	3	5	3	IT221, IT222,	NONE
ES	211	Technopreneurship		3	5	3	NONE	NONE
IT	312	Networking 2	2	3	5	3	IT222	NONE
IT	313	Mobile Programming	2	3	5	3	IT221, IT223	NONE
IT	314	Software Engineering	2	3	5	3	IT221, IT223	NONE
IT	315	IT Elective 1	2	3	5	3	IT221, IT222,	NONE
IT	316	IT Elective 2	2	3	5	3	IT221, IT222,	NONE
FIL	103	Retorika	3	0	3	3	FIL102	NONE
				Total	38	24		
THIRD YEAR								
Second Semester								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	321	PRACTICUM (486 hrs)	6	0	6	6	70% of the total curriculum units are taken.	
				Total	6.0	6.0		



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Fourth Year								
First Semester								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	411	CAPSTONE Project and Research 1	2	3	5	3	IT313, IT314	IT414
IT	412	Integrative Programming and Technologies	2	3	5	3	IT312, IT314	NONE
IT	413	Applications Development and Emerging Technologies	2	3	5	3	IT313, IT314	NONE
IT	414	Quantitative Methods (simulation and modeling)	2	3	5	3	IT123,IT214	NONE
IT	415	IT Elective 3	2	3	5	3	IT221, IT222	
IT	416	IT Elective 4	2	3	5	3	IT221, IT222	NONE
Free Elec	411	Foreign Language	3	0	3	3	NONE	NONE
				Total	33	21		
FOURTH YEAR								
Second Semester								
Course Code		Description	No. of Hours			Units	Pre-requisites	Co-requisites
			Lec	Lab	Total			
IT	421	CAPSTONE Project and Research 2	2	3	5	3	IT411	
IT	422	System Administration and Maintenance	2	3	5	3	IT412, IT413,	
IT	423	Social and Professional Issues	3	0	3	3	IT411,	
IT	424	IT Elective 5	2	3	5	3	IT221, IT222	
				Total	18	12		



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IT Electives

Network Design and Administration	Database and Information System	Computer Vision and Image Processing
Networking 3	Human Computer Interaction 2	Human Computer Interaction 2
Networking 4	Data Mining	Digital Image Processing
System Integration and Architecture 2	Systems Integration and Architecture 2	Graphics and Visual Computing
Cyber Security	NoSQL Technologies	Computational Photography
Hadoop Computing Architecture	IT Project Management	Computer Vision and Pattern recognition
Information Security	Distributed Database	

Free Electives

Korean Language
Japanese Language
Spanish Language
Chinese Language