



University of Southeastern Philippines
College of Information and Computing

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Specialization Track: Information Security
CMO No. 25, series of 2015

Approved per BOR Resolution No. 58, series of 2018

Revised per BOR Resolution No. 75, series of 2019

Effective S.Y. 2018-2019

FIRST YEAR					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 111	Purposive Communication	3	0	3	None
GE 112	Mathematics in the Modern World	3	0	3	None
IC 111	Programming Paradigm 1	2	1	3	None
IC 112	Professional Ethics in Computing	3	0	3	None
IC 113	Probability and Statistics for Computing	3	0	3	None
PE 111	Movement Enhancement	2	0	2	None
NSTP 111	National Service Training Program	3	0	3	None
Total				20	

2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 113	Understanding the Self	3	0	3	None
GE 114	Ethics	3	0	3	None
IC 124	Programming Paradigm 2	2	1	3	IC 111
IC 125	Discrete Math	3	0	3	IC 113
IC 126	Interaction Design	2	1	3	None
IT 121	Technopreneurship	3	0	3	IC 112
PE 122	Fitness Exercise	2	0	2	None
NSTP 122	National Service Training Program	3	0	3	None
Total				23	

SECOND YEAR					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 215	The Life and Works of Rizal	3	0	3	None
GE 216	Readings in Philippine History	3	0	3	None
IC 212	Data Structures	2	1	3	IC 124, IC 125
IT 212	IT Project Management	3	0	3	IT 121
IT 213	Information Management	2	1	3	IC 124
IT 214	Applied Computer Networks	2	1	3	IC 125
PE 213	Physical Activities Towards Health & Fitness I	2	0	2	None
Total				20	

2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
GE 217	Science, Technology and Society	3	0	3	None
GE 218	Arts Appreciation	3	0	3	None
IT 225	Applied Operating System	2	1	3	IC 217
IT 226	Application Systems Development	2	1	3	IT 213, IT 214
IT 227	Advanced Information Management	2	1	3	IC 217, IT 213
IT 228	Software Engineering I	3	0	3	IT 212, IC 126
PE 224	Physical Activities Towards Health & Fitness II	2	0	2	None
Total				20	

THIRD YEAR					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
EGE 311	General Education Elective 1	3	0	3	None
GE 319	Contemporary World	3	0	3	None
ITIS 311	Fundamentals in Security Design	3	0	3	IT 226
ITIS 312	Identity Management	3	0	3	IT 225, IT 226
ITIS 313	Information Storage Security	3	0	3	IT 227
ITIS 314	Cybersecurity	2	1	3	IT 214
IT 319	Software Engineering 2	2	1	3	IT 228, IT 225
ICE 311	Professional Elective 1	3	0	3	All prior Professional & Common Courses
Total				24	

2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
EGE 312	General Education Elective 2	3	0	3	None
EGE 313	General Education Elective 3	3	0	3	None
ITIS 325	Systems and Administration	2	1	3	ITIS 311, ITIS 312
ITIS 326	Data Privacy and Security	3	0	3	ITIS 313, ITIS 314
ITIS 327	Security Policy and Governance	3	0	3	ITIS 311, ITIS 313
ICE 322	Professional Elective 2	3	0	3	All prior Professional & Common Courses
ICE 323	Professional Elective 3	3	0	3	All prior Professional & Common Courses
IT 3210	IT Research Paradigm	3	0	3	IT 319
Total				24	

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
ITCP 400	IT Capstone Project*	0	2	2	IT 3210
ITPR 401	IT Practicum*	0	5	5	All prior Professional & Common Courses
Total				7	

FOURTH YEAR					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
ITPR 401	IT Practicum	0	4	4	All prior Professional & Common Courses
ICE 414	Professional Elective 4	3	0	3	All prior Professional & Common Courses
ICE 415	Professional Elective 5	3	0	3	All prior Professional & Common Courses
ITCP 400	IT Capstone Project*	0	2	2	IT 3210
Total				12	

2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requisite
		Lec	Lab	Total Units Credit	
ITCP 400	IT Capstone Project	0	2	2	IT 3210
IT 4211	IPR Management	3	0	3	All prior Professional & Common Courses
Total				5	

*A subject to be enrolled continuously until the last prescribed semester where student's grade will appear

ELECTIVES		
Graphics and Visual Computing	Games Development	Publishing Research Papers in Computing
Digital Images Processing	Service Science Management	Emerging Trends and Technologies
Computer Animation	Technology Transfer	Knowledge Management
Advanced Computer Networks		

GENERAL EDUCATION ELECTIVES	
Environmental Science	People of the Earth's Ecosystem
Reading Visual Arts	Philippine Indigenous Communities
Gender and Society	Foreign Language

Summary	
General Education	36
Common Courses	21
Professional Courses	69
Professional Electives	15
Additional Math Requirement	
PE	8
NSTP	6
Total number of units	155 Units