



COLLEGE of INFORMATION and COMPUTING SCIENCES

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)

2018 Curriculum

(Compliant to CMO No. 25 s. 2015)

Name: _____ Date of Birth: _____ Sex: _____

Secondary School Graduated from: _____

Home Address: _____

FIRST YEAR							
First Semester							
Grade	Subject Code	Descriptive Title	Pre/Co-requisite	Units	Lec Hrs.	Lab Hrs.	Contact Hours
	IT 111	Introduction to Computing		3	2	3	5
	IT 112	Computer Programming 1		3	2	3	5
	GEC 101	Art Appreciation		3	3	-	3
	GEC 102	Mathematics in the Modern World		3	3	-	3
	GEC 103	Science, Technology and Society		3	3	-	3
	FIL 11	Kontekstwalisadong Komunikasyon sa Filipino		3	3	-	3
	Elective 12	Euthenics		3	3	-	3
	PE 11	Physical Activity Towards Health and Fitness I		2	2	-	2
	NSTP 11	National Service Training Program 1		3	3	-	3
				26	24	6	30
Second Semester							
	IT 121	Computer Programming 2	IT 112	3	2	3	5
	IT 122	Introduction to Human-Computer Interaction	IT 112	3	2	3	5
	IT 123	Discrete Structures	GEC 102	3	3	-	3
	GEC 107	Purposive Communication		3	3	-	3
	GEC 108	Readings in Philippine History		3	3	-	3
	FIL 12	Panitikang Panlipunan	FIL 11	3	3	-	3
	PE 12	Physical Activity Towards Health and Fitness II	PE 11	2	2	-	2
	NSTP 12	National Service Training Program 2	NSTP 11	3	3	-	3
				23	21	6	27
SECOND YEAR							
First Semester							
Grade	Subject Code	Descriptive Title	Pre/Co-requisite	Units	Lec Hrs.	Lab Hrs.	Contact Hours
	IT 211	Data Structures and Algorithms	IT 121, IT 123	3	2	3	5
	IT 212	Information Management	IT 121	3	2	3	5
	IT 213	IT Elective 1	IT 122	3	2	3	5
	IT 214	Networking 1		3	2	3	5
	IT 215	IT Elective 2	IT 121	3	2	3	5
	GEC 105	Life and Works of Rizal	-	3	3	-	3
	PE 13	Physical Activity Towards Health and Fitness III	PE 12	2	2	-	2
				20	15	15	30
Second Semester							
	IT 221	IT Elective 3	IT 213, IT 212	3	2	3	5
	IT 222	IT Elective 4	IT 213, IT 212	3	2	3	5
	IT 223	Multimedia Systems	IT 213	3	2	3	5
	IT 224	Networking 2	IT 214	3	2	3	5
	GEC 104	Contemporary World	-	3	3	-	3
	GEC 106	Ethics/Etika	-	3	3	-	3
	GEC 109	Understanding the Self	-	3	3	-	3
	PE 14	Physical Activity Towards Health and Fitness IV	PE 13	2	2	-	2
				23	19	12	31

Evaluated by:

DON R. DE LA CRUZ, MIT
Education Supervisor II

Reviewed by:

REY S. TUDDAO, MSIT
OIC-Supervising Education Program
Specialist

Verified by:

MARILOU A. MALABUG, MSN
OIC-Chief Education Program
Specialist

Contents noted by:

RUTH T. LASAM
OIC, Office of the Director IV



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THIRD YEAR							
First Semester							
Grade	Subject Code	Descriptive Title	Pre/Co-requisite	Units	Lec Hrs.	Lab Hrs.	Contact Hours
	IT 311	Advance Database Systems	IT 212	3	2	3	5
	IT 312	Application Development and Emerging Technologies	IT 121, IT 212	3	2	3	5
	IT 313	Information Assurance and Security 1	IT 224	3	2	3	5
	IT 314	Track Elective 1	Junior Standing	3	2	3	5
	IT 315	Track Elective 2	Junior Standing	3	2	3	5
	IT 316	Quantitative Methods	Junior Standing	3	3	-	3
	IT 317	Service Culture	GEC 107	3	3	-	3
				21	16	15	31
Second Semester							
	IT 321	System Integration and Architecture	IT 312, IT 221	3	2	3	5
	IT 322	Track Elective 3	Junior Standing	3	2	3	5
	IT 323	Track Elective 4	Junior Standing	3	2	3	5
	IT 324	Capstone Project 1	IT 316	3	3	-	3
	IT 325	Information Assurance and Security 2	IT 313	3	3	-	3
	IT 326	Social and Professional Issues	GEC 105	3	3	-	3
	IT 327	Business Process Outsourcing	IT 317	3	2	3	5
				21	17	12	29
FOURTH YEAR							
First Semester							
Grade	Subject Code	Descriptive Title	Pre/Co-requisite	Units	Lec Hrs.	Lab Hrs.	Contact Hours
	IT 411	Capstone Project 2	IT 324	3	2	3	5
	IT 412	System Administration and Maintenance	IT 325	3	2	3	5
	Elective 13	Entrepreneurship	Senior Standing	3	3	-	3
	GEC 12	Principles and Strategies in Teaching		3	3	-	3
				12	10	6	16
Second Semester							
	IT 421	OJT	Senior Standing	9	-	9	500 (total)
				9	-	9	500 (total)

TRACK ELECTIVES:

Networking and Security:

1. Ethical Hacking
2. Cyber Security
3. Network Operating Systems
4. Firewalls and Intrusion Detection Systems

Web Development Track:

1. Web Programming
2. Web Interactivity and Engagement
3. Advanced Web Programming
4. Mobile App Development

Programming Track:

1. Desktop Applications Development
2. Python Programming
3. Mobile App Development
4. Advanced Java
5. Other programming languages subject for approval



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SUMMARY OF UNITS

GENERAL EDUCATION	UNITS
Arts Appreciation (Pagpapahalaga sa Sining)	3
Mathematics in the Modern World (Mathematika sa Makabagong Daigdig)	3
Science, technology and Society (Agham, Teknolohiya at Lipunan)	3
Contemporary World (Ang Kasalukuyang Daigdig)	3
Life and Works of Rizal (Ang Buhay at Akda ni Rizal)	3
Ethics (Etika)	3
Purposive Communication (Malayuning Komunikasyon)	3
Readings in Philippine History (Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas)	3
Understanding the Self (Pag-unawa sa Sarili)	3
Kontekstwalisadong Komunikasyon sa Filipino	3
Panitikang Panlipunan	3
Principles and Strategies in Teaching	3
TOTAL	36

COMMON COURSES	UNITS
Introduction to Computing	3
Computer Programming 1	3
Computer Programming 2	3
Data Structures and Algorithms	3
Information Management	3
Application Development and Emerging Technologies	3
TOTAL	18

PROFESSIONAL COURSES	UNITS
Introduction to Human-Computer Interaction	3
Discrete Mathematics	3
Networking 1	3
Multimedia Systems	3
Networking 2	3
Advance Database Systems	3
Systems Integration and Architecture	3
Information Assurance and Security 1	3
Quantitative Methods	3
Service Culture	3
Capstone Project 1	3
Information Assurance and Security 2	3
Social and Professional Issues	3
Business Process Outsourcing	3
Capstone Project 2	3
System Administration and Maintenance	3
Practicum/OJT/Immersion	9
TOTAL	57

PROFESSIONAL ELECTIVES	UNITS
Platform Technologies	3
Integrative Programming and Technologies	3
Web Systems and Technologies	3
Object-Oriented Programming	3
TOTAL	12

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ADDITIONAL PROFESSIONAL OR DOMAIN TRACK		UNITS
Track Elective 1		3
Track Elective 2		3
Track Elective 3		3
Track Elective 4		3
TOTAL		12

INSTITUTIONAL COURSE		UNITS
Entrepreneurship		3
Euthenics		3
TOTAL		6

Subjs.	Year	FRESHMEN		SOPHOMORE		JUNIOR		SENIOR		TOTAL
		1st	2nd	1st	2nd	1st	2nd	1st	2nd	
GENERAL EDUCATION		12	9	3	9	0	0	3	0	36
COMMON COURSES		6	3	6	0	3	0	0	0	18
PROFESSIONAL COURSES		0	6	3	6	12	15	6	9	57
PROFESSIONAL ELECTIVES		0	0	6	6	0	0	0	0	12
ADDITIONAL PROFESSIONAL OR DOMAIN TRACK		0	0	0	0	6	6	0	0	12
INSTITUTIONAL COURSE		3	0	0	0	0	0	3	0	6
PE		2	2	2	2	0	0	0	0	8
NSTP		3	3	0	0	0	0	0	0	6
TOTAL		26	23	20	23	21	21	12	9	155

Prepared and Reviewed:

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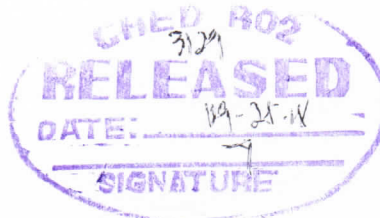
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