

## BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)

Effective School Year 2019-2020  
(CMO 25 s. 2015)

TOTAL UNITS: 146

FIRST YEAR

First Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE-REQUISITE
MATH 1	Mathematics in the Modern World	3	3	0	None
GEE 1	Philosophy of the Good Life	3	3	0	None
GEE 2	Fundamentals of Creativity and Innovation	3	3	0	None
CC101	Introduction to Computing	3	2	3	None
CC102	Fundamentals of Programming	3	2	3	None
WS101	Web Systems and Technologies 1 (Electives)	3	2	3	None
PE 1	Physical Fitness and Wellness	2	2	0	None
NSTP 1	National Service Training Program 1	3	3	0	None
	TOTAL	23	20	9	

Second Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
SCI 1	Science, Technology and Society	3	3	0	None
ENG 1	Purposive Communication	3	3	0	None
GEE 3	Creative Practice: Tools, Methods and Techniques	3	3	0	GEE 2
CC103	Intermediate Programming	3	2	3	CC101, CC102
PT101	Platform Technologies (Electives)	3	2	3	CC101, CC102
NET101	Networking 1	3	2	3	None
PE 2	Rhythmic Activities	2	2	0	PE 1
NSTP 2	National Service Training Program 2	3	3	0	NSTP 1
	TOTAL	23	20	9	

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### SECOND YEAR

First Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
HUM 1	Art Appreciation	3	3	0	None
IS104	Systems Analysis and Design	3	2	3	2 <sup>nd</sup> Year Standing, CC103
CC104	Data Structures and Algorithms	3	2	3	CC103
CC105	Information Management	3	2	3	CC103
PF101	Object-Oriented Programming	3	2	3	CC103, PT101, NET101
NET102	Networking 2	3	2	3	NET101, PT101
PE 3	Individual and Dual Sports	2	2	0	PE 1
TOTAL		20	15	15	

Second Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
SOCSCI 1	Understanding the Self	3	3	0	None
SOCSCI 2	Readings in Philippine History	3	3	0	None
HCI101	Introduction to Human Computer Interaction	3	2	3	None
SE101	Software Engineering	3	2	3	CC105, PF101, IS104
IPT101	Integrative Programming and Technologies 1	3	2	3	PT101, PF101
IM101	Advanced Database Systems	3	2	3	CC105, PF101, IS104
PE 4	Team Sports	2	2	0	PE 1
TOTAL		20	16	12	



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THIRD YEAR

First Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
SOCSCI 3	The Contemporary World	3	3	0	None
RIZAL	The Life and Works of Rizal	3	3	0	None
MS101	Discrete Mathematics	3	3	0	3 <sup>rd</sup> Year Standing, CC104, PF101
SPI101	Social Professional Issues 1	3	3	0	3 <sup>rd</sup> Year Standing, SE101
AR101	Architecture and Organization	3	2	3	3 <sup>rd</sup> Year Standing, CC103
IPT102	Integrative Programming and Technologies 2 (Electives)	3	2	3	3 <sup>rd</sup> Year Standing, IPT101
SIA101	Systems Integration and Architecture 1	3	2	3	3 <sup>rd</sup> Year Standing, IPT101
TOTAL		21	18	9	

Second Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
HUM 2	Ethics	3	3	0	None
AL101	Algorithms and Complexity	3	3	0	MS101
MS102	Quantitative Methods	3	3	0	3 <sup>rd</sup> Year Standing, MS101
CC106	Application Development and Emerging Technologies	3	2	3	3 <sup>rd</sup> Year Standing, SE101
IAS101	Fundamental of Information Assurance and Security 1	3	2	3	3 <sup>rd</sup> Year Standing, SIA101
SIA102	Systems Integration and Architecture 2 (Electives)	3	2	3	3 <sup>rd</sup> Year Standing, SIA101
TOTAL		18	15	9	



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### FOURTH YEAR

First Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
CAP101*	Capstone Project and Research 1	3	3	0	4 <sup>th</sup> Year Standing, IAS101, MS102
PRC101*	Practicum 1	3	0	243	4 <sup>th</sup> Year Standing, MS102, IAS101, CC106
AL102	Automata Theory and Formal Language	3	3	0	AL101
IAS102	Information Assurance and Security 2	3	2	3	IAS101
TOTAL		12	8	246	

Second Semester					
SUBJECT CODE	SUBJECT TITLE	UNITS	LEC HRS	LAB HRS	PRE- REQUISITE
CAP102	Capstone Project and Research 2	3	3	0	CAP101
PRC102	Practicum 2	3	0	243	PRC101
SAM101	Systems Administration and Maintenance	3	2	3	IAS102
TOTAL		9	5	246	

\* For graduating student only

### CURRICULUM SUMMARY

COURSES	MINIMUM UNITS PRESCRIBED BY CHED	QCPU
1. General Education Courses	27	27
2. General Education Electives	9	9
3. NSTP	6	6
4. PE	8	8
5. Common Courses	18	18
6. Professional Courses	66	66
7. Professional Electives	12	12
Total Units	146	146

Reviewed by:

**ISAGANI M. TANO**

OIC, IT Directorate