J.H. CERILLES STATE COLLEGE
Mati, San Miguel, Zamboanga del Sur
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School of Engineering and Technology

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)
BOT Res. No. 039, series 2018

SUMMARY OF UNITS

COURSES	No. of Units (PSG)	No. of Units (Actual)
I. General Education		
A. GE Core Courses	24	24
B. GE Elective Courses	9	9
C. Mandated Courses	17	17
II.		
A. Professional Courses	48	48
B. Basic Non-ITE Courses	_	3
C. Basic ITE Course	_	21
D. Professional Electives	12	18
E. Free Electives	_	12
TOTAL UNITS	**146**	**152**

SUMMARY OF SUBJECTS

First Year 1st Semester

Grades	Course No.	Description	Lec.	Lab	Units	Pre-req.
	GEC101	Understanding the Self*	3		3	None
	GEC102	Reading in Phil. History	3		3	None
	GEC103	Science Technology and Society	3		3	None
	IT 100	Abstract Algebra	3		3	None
	IT 101	Introduction to Computing	2	1	3	None
	IT 102	Computer Programming 1	2	1	3	None
	PE 101	Physical Fitness	2		2	None
	NSTP 1	ROTC/CWS/LTS	3		3	None
	TOTAL				**23**	

* With integration of Gender and Development

First Year 2nd Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	GEC105	Purposive Communication	3		3	None
	GEC104	Mathematics in the Modern World	3		3	None
	IT 103	Computer Programming 2	2	1	3	IT 102
	IT 104	Discrete Mathematics	3		3	IT 100
	IT 105	Human Computer Interaction 1	2	1	3	IT 101
	IT 106	E-Business (IT Elective 1)	3		3	None
	PE 102	Rhythmic Activities	2		2	None
	GEM 101	Life and Works of Rizal	3		3	
	NSTP 2	ROTC/CWS/LTS	3		3	NSTP1
	TOTAL				**26**	

Second Year 1st Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	GEE 201	Gender and Society	3		3	None
	GEE 202	Human Reproduction	3		3	None
	GEC 201	The Contemporary World	3		3	None
	GEC 202	Art Appreciation	3		3	None
	IT 201	Data Structures and Algorithms	3		3	IT103
	IT 202	Platform Technologies	2	1	3	IT103
	IT 203	Object Oriented Programming	2	1	3	IT103
	IT 204	Computer System Servicing (Prof. Elect 1)	2	1	3	IT 101
	PE 201	Individual/Dual Sports	2		2	None
	TOTAL				**26**	

Exit point: Computer System Servicing NC II

Second Year 2nd Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	GEC 203	Ethics*	3		3	None
	GEE 203	Reading Visual Arts	3		3	None
	IT 205	Networking 1	2	1	3	IT202
	IT 206	Integrative Programming Technologies 1	2	1	3	IT 203
	IT 207	Information Management	2	1	3	IT 201
	IT 208	Quantitative Methods	3		3	IT 104
	IT 209	Human Computer Interaction 2 (IT Elect. 2)	2	1	3	IT 105
	PE 202	Team Sports	2		2	None
	TOTAL				**23**	

*with integration of JHCSC Core Values

Third Year 1st Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	IT 301	System Integrative and Architecture 1	2	1	3	IT 206
	IT 302	Multimedia System (Prof. Elect 2)	2	1	3	3rd Year
	IT 303	Event Driven Programming	2	1	3	IT 207
	IT 304	Integrative Programming Technologies 2 (Prof. Elect 3)	2	1	3	IT 206
	IT 306	Advance Database Management Systems	2	1	3	IT 207
	IT 307	Networking 2	2	1	3	IT 205
	Acctg. 1	Fundamentals of Accounting	3		3	GE105
	TOTAL				**21**	

Exit point: Visual Graphics NC III

Third Year 2nd Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	IT 308	Information Assurance and Security 1	2	1	3	IT 306
	IT 309	Application Development Emerging Technologies 1	2	1	3	IT 307
	IT 310	Web System and Technologies 1 (IT Elective 3)	2	1	3	3rd yr.
	IT 311	Mobile Application and Design 1 (Prof. Elect. 4)	2	1	3	IT 306
	IT 312	Social and Professional Issues	3		3	IT 306
	IT 313	Image Processing and Computer Vision	2	1	3	IT 302
	TOTAL				**18**	

Summer

Grades	Course No.	Description			Units	Pre-req.
	IT 314	System Integration and Architecture 2	2	1	3	IT 301
	IT 315	Capstone 1	3		3	3rd Year
	IT 316	Distributed Systems (IT Elective 4)	2	1	3	3rd Year
	TOTAL				**9**	

Fourth Year 1st Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	IT 401	System Administration and Maintenance	2	1	3	IT 309
	IT402	IT Capstone Project II	3		3	IT 315
	IT403	Information Assurance and Security 2	2	1	3	IT 308
	IT404	Data Analytics and Visualization (Prof elect. 5)	2	1	3	4TH YEAR
	IT405	Mobile Application and Design 2 (Prof. Elect. 6)	2	1	3	IT 311
	Educ 201	Child and Adolescents Learners Learning Principles (Free Electives)	3		3	4TH YEAR
	TOTAL				**18**	

Fourth Year 2nd Semester

Grades	Course No.	Description	Lec	Lab	Units	Pre-req.
	IT 400	Internship/OJT/Practicum	9		9	4th Year
	TOTAL				**9**	

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