Republic of the Philippines
Bulacan State University
City of Malolos, Bulacan
Tel/Fax (044) 791-0153
College of Information and Communications Technology

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(Based on CMO No. 25 s 2015)

FIRST YEAR							
FIRST SEMESTER							
COURSE CODE	**DESCRIPTIVE TITLE**	**LEC UNITS**	**LAB UNITS**	**TOTAL UNITS**	**HOURS PER WEEK**	**PREREQ.**	**CO-REQ.**
IT 102	Introduction to Computing	3.0	0.0	3.0	3	NONE	NONE
IT 103	Computer Programming 1	2.0	1.0	3.0	5	NONE	NONE
IT 104	Hardware System and Servicing	2.0	1.0	3.0	5	NONE	NONE
RPH 101	Readings in Philippine History	3.0	0.0	3.0	3	NONE	NONE
AAP 101	Art Appreciation	3.0	0.0	3.0	3	NONE	NONE
STS 101	Science, Technology and Society	3.0	0.0	3.0	3	NONE	NONE
ARP 101	Filipino 1	3.0	0.0	3.0	3	NONE	NONE
PE 10	Physical Education I	2.0	0.0	2.0	2	NONE	NONE
NSTP 10	ROTC/LTS/CWTS	3.0	0.0	3.0	3	NONE	NONE
	TOTAL	**24.0 (3)**	**2.0**	**26.0**	**30**		
SECOND SEMESTER							
COURSE CODE	**DESCRIPTIVE TITLE**	**LEC UNITS**	**LAB UNITS**	**TOTAL UNITS**	**HOURS PER WEEK**	**PREREQ.**	**CO-REQ.**
IT 105	Computer Programming 2	2.0	1.0	3.0	5	IT 103	NONE
IT 106	Networking 1	2.0	1.0	3.0	5	IT 104	NONE
IT 107	Discrete Structures for IT	3.0	0.0	3.0	3	NONE	NONE
PCM 101	Purposive Communication	3.0	0.0	3.0	3	NONE	NONE
MMW 101	Mathematics in the Modern World	3.0	0.0	3.0	3	NONE	NONE
UTS 101	Understanding the Self	3.0	0.0	3.0	3	NONE	NONE
PAL101	Filipino 2	3.0	0.0	3.0	3	NONE	NONE
PE 11	Physical Education I	2.0	0.0	2.0	2	NONE	NONE
NSTP 11	ROTC/LTS/CWTS	3.0	0.0	3.0	3	NSTP 10	NONE
	TOTAL	**24.0**	**2.0**	**26.0**	**30**		
SECOND YEAR							
FIRST SEMESTER							
COURSE CODE	**DESCRIPTIVE TITLE**	**LEC UNITS**	**LAB UNITS**	**TOTAL UNITS**	**HOURS PER WEEK**	**PREREQ.**	**CO-REQ.**
IT 201	Data Structures and Algorithms	2.0	1.0	3.0	5	IT 105	NONE
IT 202	Information Management	2.0	1.0	3.0	5	IT 105	NONE
IT 203	Object- Oriented Programming1	2.0	1.0	3.0	5	IT 105	IT 205
IT 204	Integrative Programming and Technologies 1	2.0	1.0	3.0	5	IT 105	NONE
IT205	Human Computer Interface	2.0	1.0	3.0	5	IT 102	IT 203
AAH 101d*	Reading Visual Art	3.0	0.0	3.0	3	NONE	NONE
ETH 101	Ethics	3.0	0.0	3.0	3	NONE	NONE
PE 12	Physical Education III	2.0	0.0	2.0	2	NONE	NONE
	TOTAL	**18.0**	**5.0**	**23.0**	**33**		
SECOND SEMESTER							
COURSE CODE	**DESCRIPTIVE TITLE**	**LEC UNITS**	**LAB UNITS**	**TOTAL UNITS**	**HOURS PER WEEK**	**PREREQ.**	**CO-REQ.**
IT 206	Advanced Database Systems	2.0	1.0	3.0	5	IT 202	IT 207
IT 207	Object- Oriented Programming2	2.0	1.0	3.0	5	IT 203	IT 206
IT 208	Platform Technologies	2.0	1.0	3.0	5	IT102	NONE
IT 209	In	2.0	1.0	3.0	5	IT 205	NONE
IT 210	Networking 2	2.0	1.0	3.0	5	IT106	NONE
TCW 101	The Contemporary World	3.0	0.0	3.0	3	NONE	NONE
MST 101d*	Living in the IT Era	3.0	0.0	3.0	3	NONE	NONE
PE 13	Physical Education IV	2.0	0.0	2.0	2	NONE	NONE
	TOTAL	**18.0**	**5.0**	**23.0**	**33**		

				THIRD YEAR			

FIRST SEMESTER

COURSE CODE	DESCRIPTIVE TITLE	LEC UNITS	LAB UNITS	TOTAL UNITS	HOURS PER WEEK	PREREQ.	CO-REQ.
IT 301	Application Development and Emerging Technologies	2.0	1.0	3.0	5	IT 206/IT 207/IT 209	NONE
IT 302	Social and Professional Issues	3.0	0.0	3.0	3	NONE	NONE
IT 303	System Analysis and Design	2.0	1.0	3.0	5	IT 206/IT 207/IT 209	NONE
IT 304	Web Systems and Technologies 1	2.0	1.0	3.0	5	IT 206/IT 207/IT 209	NONE
IT 305	Quantitative Methods	3.0	0.0	3.0	3	IT 206/IT 207/IT 209	NONE
IT 306	Elective 1	2.0	1.0	3.0	5	IT 206/IT 207/IT 209	NONE
IT 307	Elective 2	2.0	1.0	3.0	5	IT 206/IT 207/IT 209	NONE
FL 301	Foreign Language 1	3.0	0.0	3.0	3	NONE	NONE
	TOTAL	19.0	5.0	24.0	34		

SECOND SEMESTER

COURSE CODE	DESCRIPTIVE TITLE	LEC UNITS	LAB UNITS	TOTAL UNITS	HOURS PER WEEK	PREREQ.	CO-REQ.
IT 308	Information Assurance and Security	2.0	1.0	3.0	5	IT 303	NONE
IT 309	Systems Integration and Architecture 1	2.0	1.0	3.0	5	IT 303	NONE
IT 310	Web Systems and Technologies 2	2.0	1.0	3.0	5	IT 304	NONE
CAP 301	Capstone Project and Research 1	3.0	0.0	3.0	3	ALL MAJOR SUBJECTS	NONE
IT 311	Elective 3	2.0	1.0	3.0	5	IT 306/IT 307	NONE
IT312	Elective 4	2.0	1.0	3.0	5	IT 306/IT 307	NONE
FL 302	Foreign Language 2	3.0	0.0	3.0	3	FL 101	NONE
RLW 101	Life and Works of Rizal	3.0	0.0	3.0	3	NONE	NONE
	TOTAL	19.0	5.0	24.0	34		

				FOURTH YEAR			

FIRST SEMESTER

COURSE CODE	DESCRIPTIVE TITLE	LEC UNITS	LAB UNITS	TOTAL UNITS	HOURS PER WEEK	PREREQ.	CO-REQ.
IT 401	System Administration and Maintenance	2.0	1.0	3.0	5	IT 210/IT 308	NONE
IT 402	System Integration and Architecture 2	2.0	1.0	3.0	5	IT 309	NONE
IT 403	Elective 5	2.0	1.0	3.0	5	IT 311/IT 312	NONE
CAP 401	Capstone Project and Research 2	3.0	0.0	3.0	3	CAP 301	NONE
	TOTAL	9.0	3.0	12.0	18		

SECOND SEMESTER

COURSE CODE	DESCRIPTIVE TITLE	LEC UNITS	LAB UNITS	TOTAL UNITS	HOURS	PREREQ.	CO-REQ.
IT 404	Internship	9.0	0.0	9.0	486 hours	4th year Standing	NONE
	TOTAL	9.0	0.0	9.0			

SPECIALIZATION

	Service Management Specialization Track	Business Analytics Specialization Track	Web and Mobile Development Specialization Track
Elective 1	Fundamentals of Business Process Outsourcing101	Fundamentals of Business Analytics	Multimedia
Elective 2	Business Communication in IT	Fundamentals of Analytics Modeling	Mobile Application Development 1
Elective 3	Fundamentals of Business Process Outsourcing102	Fundamentals of Enterprise Data Management	Mobile Application Development 2
Elective 4	Service Culture in IT	Analytics Techniques & Tools	Mobile Game Development
Elective 5	Principles of Sytem Thinking in IT	Analytics Application	Web Systems and Technologies 3