STUDENT NAME		YEAR LEVEL:	
STUDENT NUMBER		EMAIL ADDRESS:	

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCpE) BONI AND PASIG CAMPUS

First Year First Semester		**Units**	**Hrs/Wk**			**Prerequisite(s)**	**Corequisite(s)**	**RATING**	**REMARKS**
Course No.	**Course Title**		**Lec**	**Lab**	**Total**				
CAL01	Calculus 1 (Differential Calculus)	3	3	0	3				
CHEM01	Chemistry for Engineers	3	3	0	3		CHEM01L		
CHEM01L	Chemistry for Engineers Laboratory	1	0	3	3		CHEM01		
CpE101	Computer Engineering as a Discipline	1	1	0	1				
CpE102	Programming Logic and Design	2	0	6	6				
CpE103	Computer Concepts	2	2	0	2				
GE04	Mathematics for the Modern World	3	3	0	3				
GE07	Science, Technology and Society	3	3	0	3				
GE01	Understanding the Self	3	3	0	3				
PE01	Movement Enhancement (PE)	2	2	0	2				
	TOTAL	**23**	**18**	**9**	**27**				

First Year Second Semester		**Units**	**Hrs/Wk**			**Prerequisite(s)**	**Corequisite(s)**	**RATING**	**REMARKS**
Course No.	**Course Title**		**Lec**	**Lab**	**Total**				
CAL02	Calculus 2 (Integral Calculus)	3	3	0	3	CAL01			
PHY01	Physics for Engineers 1	3	3	0	3	CAL01	PHY01L		
PHY01L	Physics for Engineers 1 Laboratory	1	0	3	3		PHY01		
CpE104	Object Oriented Programming	2	0	6	6	CpE102			
EDA01	Engineering Data Analysis	3	3	0	3				
CpE105	Discrete Mathematics	3	3	0	3				
GE02	Readings in Philippine History	3	3	0	3				
CpE106	Computer Hardware Fundamentals	2	2	0	2	CpE103			
GE-ELEC2	Pagbasa ng mga Dalumat sa Filipino tungo sa Pananaliksik	3	3	0	3				
PE02	Fitness Exercises (PE)	2	2	0	2	PE01			
	TOTAL	**25**	**25**	**9**	**31**				

Second Year First Semester		Units	Hrs/Wk			Prerequisite(s)	Corequisite(s)	RATING	REMARKS
Course No.	Course Title		Lec	Lab	Total				
DE	Differential Equations	3	3	0	3	CAL02			
CpE201	Data Structures and Algorithms	2	0	6	6	CpE104			
EECO	Engineering Economics	3	3	0	3	*2nd Year Standing*			
EE20	Fundamentals of Electrical Circuits	3	3	0	3	PHY01	EE20L		
EE20L	Fundamentals of Electrical Circuits Laboratory	1	0	3	3	PHY01L	EE20		
CAD01	Computer-Aided Drafting	1	0	3	3	*2nd Year Standing*			
CpE202	Advanced Programming	1	0	3	3	CpE104			
GE05	Purposive Communication	3	3	0	3				
PE03	Physical Activities Towards Health and Fitness I (PE)	2	2	0	2	PE02			
NSTP 1	Civil Welfare Training Service 1 (NS)	3	3	0	3				
	TOTAL	22	14	15	32				

Second Year Second Semester		Units	Hrs/Wk			Prerequisite(s)	Corequisite(s)	RATING	REMARKS
Course No.	Course Title		Lec	Lab	Total				
CpE203	Numerical Methods	3	3	0	3	DE			
CpE204	Software Design	3	3	0	3	CpE201	CpE204L		
CpE204L	Software Design Laboratory	1	0	3	3	CpE201	CpE204		
GE-ELEC14	Technical Communication	3	3	0	3	GE05			
ECE01	Fundamentals of Electronic Circuits	3	3	0	3	EE20	ECE01L		
ECE01L	Fundamentals of Electronic Circuits Laboratory	1	0	3	3	EE20L	ECE01		
CpE205	Assembly Language Programming	2	0	6	6	CpE202			
GE03	The Contemporary World	3	3	0	3				
PE04	Physical Activities Towards Health and Fitness II (PE)	2	2	0	2	PE03			
NSTP 2	Civil Welfare Training Service 1 (NS)	3	3	0	3				
	TOTAL	24	20	12	32				

Third Year First Semester		Units	Hrs/Wk			Prerequisite(s)	Corequisite(s)	RATING	REMARKS
Course No.	Course Title		Lec	Lab	Total				
CpE301	Logic Circuits and Design	3	3	0	3	ECE01/ECE01L	CpE301L		
CpE301L	Logic Circuits and Design Laboratory	1	0	3	3	ECE01/ECE01L	CpE301		
CpE302	Operating Systems	3	3	0	3	CpE201			
CpE303	Data and Digital Communications	3	3	0	3	ECE01/ECE01L			
CpE304	Introduction to HDL	1	0	3	3	CpE101; ECE01/ECE01L			
CpE305	Feedback and Control Systems	3	3	0	3	CpE203; ECE01/ECE01L			
CpE306	Fundamentals of Mixed Signals and Sensors	3	3	0	3	ECE01/ECE01L			
CpE307	Computer Engineering Drafting and Design	1	0	3	3	ECE01/ECE01L			
CpE308	**Cognate/Elective Course 1	3	3	0	3	*3rd Year Standing*			
GE09	Life and Works of Rizal	3	3	0	3				
	TOTAL	24	21	9	30				

Third Year Second Semester		Units	Hrs/Wk			Prerequisite(s)	Corequisite(s)	RATING	REMARKS
Course No.	Course Title		Lec	Lab	Total				
CpE309	Basic and Occupational Health and Safety	3	3	0	3	*3rd Year Standing*			
CpE310	Computer Networks and Security	3	3	0	3	CpE303	CpE310L		
CpE310L	Computer Networks and Security Laboratory	1	0	3	3	CpE303	Cpe310		
CpE311	Microprocessors	3	3	0	3	CpE301; CpE301L	CpE311L		
CpE311L	Microprocessors Laboratory	1	0	3	3	CpE301; CpE301L	CpE311		
CpE312	Methods of Research	2	2	0	2	EDA01; GE05; CpE301			
TECHNO	Technopreneurship	3	3	0	3	*3rd Year Standing*			
CpE313	**Cognate/Elective Course 2	3	3	0	3	CpE308			
GE08	Ethics	3	3	0	3	*3rd Year Standing*			
CpE314	CpE Laws and Professional Practice	2	2	0	2	*3rd Year Standing*			
TOTAL		24	22	6	28				

Fourth Year First Semester		Units	Hrs/Wk			Prerequisite(s)	Corequisite(s)	RATING	REMARKS
Course No.	Course Title		Lec	Lab	Total				
CpE401	Embedded Systems	3	3	0	3	CpE311; CpE311L	CpE401L		
CpE401L	Embedded Systems Laboratory	1	0	3	3	CpE311 ; CpE3111L	CpE401		
CpE402	Computer Architecture and Organization	3	3	0	3	CpE311 ; CpE3111L	CpE402L		
CpE402L	Computer Architecture and Organization Laboratory	1	0	3	3	CpE311 ; CpE3111L	CpE402		
CpE403	Emerging Technologies in CpE	3	3	0	3	*4th year Standing			
CpE404	CpE Practice and Design 1	1	0	3	3	CpE311			
CpE405	Digital Signal Processing	3	3	0	3	CpE305	CpE405L		
CpE405L	Digital Signal Processing Laboratory	1	0	3	3	CpE305	CpE405		
CpE406	**Cognate/Elective Course 3	3	3	0	3	CpE313			
CpE407	Seminars and Fieldtrips	1	0	3	3	*4th year Standing			
TOTAL		20	15	15	30				

Fourth Year Second Semester		Units	Hrs/Wk			Prerequisite(s)	Corequisite(s)	RATING	REMARKS
Course No.	Course Title		Lec	Lab	Total				
GE06	Art Appreciation	3	3	0	3				
CpE408	CpE Practice and Design 2	2	0	6	6	CpE404			
COE	On-the-job Training	3	3	240	3	**Candidates for Graduation only			
GE-ELEC6	Environmental Science	3	3	0	3				
	TOTAL	11	3	6	12				

	Units	Hrs/Wk						
		Lec	Lab	Total				
OVERALL CREDITABLE UNITS	173	177	81	222				

Revised: January 10, 2020