BACHELOR OF SCIENCE IN INDUSTRIAL TECHNOLOGY

Major in Computer Technology

Effective School Year 2018-2019

BRIDGING PROGRAM (For Lifelong Learners and ALS Graduates)

First Semester

FIRST TERM:

BRG ENG	English for Academic and Professional Courses	3			
BRG MATH	General Mathematics	3			
BRG SCIENCE	Earth and Life Science	3			
BRG COM	Media and Information Literacy	3			
BRG PD	Personal Development	3			
	TOTAL	15			

Second Semester

FIRST TERM:

AUTO	Automotive Servicing	5			
RAC	Refrigeration and Air-conditioning	5			
ELECT	Electrical Installation and Maintenance	5			
SMAW	Shielded Metal Arc Welding	5			
FOOD	Bread & Pastry and Cookery	5			
COMP	Computer Systems Servicing	5			
	TOTAL	5			

Note: Students will choose only one Major

SECOND TERM:

GE 1	Understanding the Self	3			
GE 4	Mathematics in the Modern World	3			
GE 5	Purposive Communication	3			
GE 6	Art Appreciation	3			
GE 7	Science, Technology and Society	3			
	TOTAL	15			

SECOND TERM:

GE 2	Readings in Philippine History	3			
GE 3	The Contemporary World	3			
GE 8	Ethics	3			
GE 9	Life and Works of Rizal	3			
FIL 1	Akademiko sa Wikang Filipino	3			
	TOTAL	15			

FIRST YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 8	Ethics	3		3	-
FIL 1	Akademiko sa Wikang Filipino	3		3	-
IT 100	Introduction to Information Technology	3		3	-
ID 1	Industrial Drawing 1 (Basic Drawing)	1	2	3	-
COMP 100	Computer Fundamentals	2	3	5	-
COMP 101	Operating System	2	3	5	-
PE 1	Physical Fitness and Health	2		2	-
NSTP 1	National Service Training Program 1	3		3	-
	TOTAL	19	8	27	

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 5	Purposive Communication	3		3	0
GE 10	Environmental Science	3		3	0
IT 102	Programming I	1	2	3	IT 100
ID 2A	Industrial Drawing 2 (CAD)	1	2	3	ID 1
COMP 102	Webpage Design and Development	2	3	5	COMP 100, 101
COMP 103	Electronics 1	2	3	5	COMP 100, 101
PE 2	Recreational Games and Sports	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP 1
	TOTAL	17	10	27	

SECOND YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	0	Pre-req.
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
AST 200	Digital Electronics	3		3	2nd Year Standing
IT 200	Technology Research 1	3		3	2nd Year Standing
IT 201	Intellectual Property Rights	3		3	2nd Year Standing
COMP 200	Electronics II	2	3	5	COMP 102, 103
COMP 201	Basic Hardware Servicing	2	3	5	COMP 102, 103
PE 3	Rhythmic and Social Recreation	2		2	PE 2
	TOTAL	21	6	27	

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 6	Art Appreciation	3		3	
GE 7	Science, Technology and Society	3		3	
AST 201	Programming Controls	4		4	AST 200
IT 202	Materials Technology Management	4		4	IT 200, IT 201
IT 203	Technology Research 2	4		4	IT 200, IT 201
COMP 202	Computer Networking and Administration	2	3	5	COMP 200, 201
COMP 203	Microprocessors and Microcontrollers	2	3	5	COMP 200, 201
PE 4	Cultural Presentation and Sports Management	2		2	PE 3
	TOTAL	24	6	30	

* STUDENTS WHO HAVE COMPLETED WITH THE TWO-YEAR PROGRAM HAVE THE OPTION TO GRADUATE ASSOCIATE IN INDUSTRIAL TECHNOLOGY

THIRD YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 4	Mathematics in the Modern World	3		3	
GE 9	Life and Works of Rizal	3		3	
AST 300	Pneumatic and Hydraulic Systems	4		4	AST 201
IT 300	Manufacturing Technology	3		3	IT 202
IT 301	Human Resource Management	3		3	3rd Year Standing
IT 302	Quality Control	3		3	AST 201, IT 202
COMP 300	Database Programming	2	3	5	COMP 202, 203
COMP 301	Computer Programming for Mobile Application	2	3	5	COMP 202, 203
	TOTAL	23	6	29	

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 1	Understanding the Self	3		3	0
GE 11	Gender and Society	3		3	0
GE 12	Philippine Popular Culture	3		3	
AST 301	Foreign Language	3		3	3rd Year Standing
IT 303	Industrial Organization & Mgt. Practices	3		3	IT 301
IT 304	Industrial Psychology	3		3	IT 301
IT 305	Production Management	3		3	IT 300, IT 302
COMP 303	Desktop Publishing and Graphic Design	2	3	5	COMP 300, 301
COMP 304	Animation 2D and 3D	2	3	5	COMP 300, 301
	TOTAL	25	6	31	

FOURTH YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
COMP 400	Supervised Industrial Training 1 (700 Hours)	0	21	21	
	TOTAL	0	21	21	At least 90% of all 1st to 3rd subjects & all Major Subjects

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
COMP 401	Supervised Industrial Training 2 (700 Hours)	0	21	21	COMP 400
	TOTAL	0	21	21	

First Revision: August 2020

Summary

	No. of Units
General Education Courses	39
Professional Education Subjects	58
Major Courses	102
Physical Education (PE)	8
National Service Training Program (NSTP)	6
TOTAL	213