

## BS in Information Technology

Subject	Description	Unit	Pre-requisite
<b>First Year, 1<sup>st</sup> Semester</b>			
English 1	Study and Thinking Skills in English	3	None
Filipino 1	Sining ng Pakikipagtalastasan	3	None
Math 1	College Algebra	4	None
Social Science 1	Philippine Government and Constitution	3	None
ITC1	Information Technology Fundamentals	3	None
ITC2	Fundamentals of Problem Solving and Programming	3	None
ITC3	Operating Systems (DOS, LINUX, UNIX or Windows)	3	None
P.E. 1	Physical Fitness Testing	2	None
NSTP 1	CWTS/LTS/ROTC	3	None
<b>First Year, 2<sup>nd</sup> Semester</b>			
English 2	Writing in the Discipline	3	English 1
Filipino 2	Pagbasa't Pagsulat sa Iba't Ibang Disiplina	3	Filipino 1
Math 2	Plane Trigonometry	3	Math 1
Natural Science 2	Biological Science	3	None
ITC4	Computer Systems Architecture	3	None
ITC5	Discrete Math/Math Logic	3	None
ITC6	Data Structures & Algorithms	3	None
P.E. 2	Rhythmic Activities	2	P.E. 1
NSTP 2	CWTS/LTS/ROTC	3	NSTP 1
<b>Second Year, 1<sup>st</sup> Semester</b>			
English 3	Technical Writing	3	English 2
Math 3	Probabilities and Statistics	3	Math 1 & 2
Natural Science 3	Physical Science	3	None
Social Science 2	General Psychology with Drug Abuse	3	None
ITM 1	Arts and Style in Programming	3	ITC 1,2,3,4,5,6
ITM 2	Application Programming I	6	ITC 1,2,3,4,5,6
P.E. 3	Individual/Dual Team Sports and Games	2	P.E. 2
<b>Second Year, 2<sup>nd</sup> Semester</b>			
Humanities 1	Art Appreciation	3	None

Math 4	Linear Algebra	3	Math 2
Accounting 1	Basic Accounting	6	English 1,2,3
ITM 3	Database Management Systems	3	ITC 1,2,3,4,5,6
ITM 4	RDBMS Development Tools	3	ITC 1,2,3,4,5,6
ITE 1	IT Elective 1	3	ITC 1,2,3,4,5,6
P.E. 4	Team Sports and Recreational Activities	2	P.E. 3
<b>Third Year, 1<sup>st</sup> Semester</b>			
Literature 1	Philippine Literature	3	None
Philosophy 1	Logic	3	None
Social Science 4	Principles of Economics with Land Reform and Taxation	3	None
ITM5	Application Programming 2	6	ITC 1,2,3,4,5,6
ITM6	Current Trends, IT Seminar and Inspection Trips	3	ITC 1,2,3,4,5,6
ITE2	IT Elective 2	3	ITC 1,2,3,4,5,6
ITF1	Free Elective 1	3	ITC 1,2,3,4,5,6
<b>Third Year, 2<sup>nd</sup> Semester</b>			
Rizal	Life & Works of Rizal	3	None
Values 1	Values Education	3	None
History 1	Philippine History	3	None
Methods 1	Methods of Teaching IT Subjects	3	English 1,2,3
ITM 7	Data Communications and Telecommunications	3	ITC 1,2,3,4,5,6
ITM 8	Software Project Management and Quality Assurance	3	ITC 1,2,3,4,5,6
ITM 9	Multimedia Arts Program and Web Publishing	6	ITC 1,2,3,4,5,6
<b>Fourth Year, 1<sup>st</sup> Semester</b>			
ITM 10	Local Area Network (LAN) Technologies	3	ITC 1,2,3,4,5,6
ITM 11	Systems Analysis and Design	6	ITC 1,2,3,4,5,6
ITM 12	Database Server Administration, Security and Maintenance	3	ITC 1,2,3,4,5,6
ITF 2	Free Elective 2	3	ITC 1,2,3,4,5,6
ITE 3	IT Elective 3	3	ITC 1,2,3,4,5,6
ITE 4	IT Elective 4	3	ITC 1,2,3,4,5,6
<b>Fourth Year, 2<sup>nd</sup> Semester</b>			
ITM 13	Network Administration, Security and Maintenance	3	ITC 1,2,3,4,5,6
ITM 14	Systems Management and Administration	3	ITC 1,2,3,4,5,6
ITM 15	Switching Networks, Routers, Ethernet	3	ITC 1,2,3,4,5,6
OJT	On the Job Training	6	ITC 1,2,3,4,5,6

ITF 3

Free Elective 3

3

ITC 1,2,3,4,5,6

IT Electives

- *Robotics and Expert Systems*
- *Introduction to Artificial Intelligence*
- *Software Engineering*
- *Computer Graphics*
- *Strategic Information Management*
- *Business Processes Re-engineering*
- *PC Troubleshooting, Repair and Maintenance*

Free Electives

- *Business Functions and Processes*
- *Quantitative Methods*
- *Organizational Behavior*
- *Numerical Analysis*
- *Symbolic Computation*
- *Introduction to Parallel Computing*

NOTE:

1. Curriculum does not include English Plus because students who failed the English Proficiency Requirements are automatically not admitted in the BS in Information Technology and BS in Information Management Curriculum.
2. OJT may be scheduled on Summer, subject to the availability