



BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

(List of Courses by Semester)

BOR Resolution No. _____, Series of 200

First Year, First Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisite
			Lec	Lab	Total		
Math 17	Algebra & Trigonometry	6	6	0	6	None	None
Eng 1	College English I	3	3	0	3	None	None
Eng 3	Oral Communication	3	3	0	3	None	None
Hist 1	Philippine History	3	3	0	3	None	None
Fil 1	Sining ng Komunikasyon	3	3	0	3	None	None
CSc 100	Fundamentals of Computing	3	2	3	5	None	None
P.E. 1	Physical Fitness & Health	2	0	2	2	None	None
NSTP 1	Military Science 1 / Civic Welfare Training Service 1	(3)	0	3	3	None	None
Total		23	20	8	28		

First Year, Second Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisite
			Lec	Lab	Total		
Math 51	Analytic Geometry & Calculus I	6	6	0	6	Math 17	None
Eng 2	College English II	3	3	0	3	Eng 1	None
Psych 20	Business Psychology	3	3	0	3	None	None
Hum 1	Intro. to Humanities	3	3	0	3	None	None
CSc 101N	Computer Programming I	3	2	3	5	CSc 100 & Math 17	None
Bio 1	General Biology	3	3	0	3	None	None
P.E. 2	Martial Arts / Dance	2	0	2	2	P.E. 1	None
NSTP 2	Military Science 2 / Civic Welfare Training Service 2	(3)	0	3	3	NSTP 1	None
TOTAL		23	20	8	28		

Second Year, First Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisite
			Lec	Lab	Total		
Math 61	Analytic Geometry & Calculus II	6	6	0	6	Math 51	None
IT 111	Digital Techniques Fundamentals	3	2	3	5	Math 17	None
CSc 102	Computer Programming II	3	2	3	5	CSc101N	None
CSc 141	Discrete Mathematics	3	3	0	3	Math 51	None
IT 123	Multimedia Applications & Authoring Tools	3	2	3	5	Hum 1	None
Eng 7	Public Speaking	3	3	0	3	Eng 3	None
P.E. 3	Individual / Dual Sports	2	0	2	2	P.E. 2	None
Total		23	18	11	29		

Second Year, Second Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisite
			Lec	Lab	Total		
Econ 1	Intro. to Econ., Taxation, Land Reform and Coop.	3	3	0	3	None	None
Eng 4	Introduction to Literature	3	3	0	3	Eng 2	None
Math 131/ ES 85	Probability and Statistics	3	3		3	Math 61	None
CSc 121	Data Structures	4	3	3	6	CSc 102	None
CSc 112	Computer Organization and Architecture	3	3	0	3	IT 111	None
CSc 112.1	Computer Organization and Architecture Lab	1	0	3	3	IT 111	CSc 112
Free Elect./ Math 121	Free Elective / Math 121	3	3	0	3	None / Math 61	None
P.E. 4	Team Sports	2	0	2	2	P.E. 3	None
Total		22	18	8	26		

Second Year Summer

Eng 8	Technical Writing	3	3	0	3	Eng 2	None
CSc151	Database Systems	3	2	3	5	CSc 121	None
Total		6	5	3	8		

Third Year, First Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisit	Co-requisite
			Lec	Lab	Total		
Pol Sci 2	Phil Gov't & Const, Agr Reform, Tax'n, Fam. Plng, & Pop. Ed.	3	3	0	3	None	None
IT 155	Introduction to Operating Systems	3	2	3	5	CSc 121 CSc 112	None
IT 122	Computer Networks	3	2	3	5	CSc 112	IT 155
Bus L 76	Obligation and Contracts	3	3	0	3	None	None
CSc 124	Design and Analysis of Algorithms	3	2	3	5	CSc 121	None
CSc 181N	Software Engineering	4	3	3	6	CSc 151	None
Tech Elect 1	Specialization 1	3	2	3	5	CSc 151	None
Total		22	17	15	32		

Third Year, Second Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisit
			Lec	Lab	Total		
Acct 1	Fund. of Accounting & Accounting Software Packages	3	2	3	5	None	None
Hist 5	Life and Works of Rizal	3	3	0	3	None	None
CSc 186	Human Computer Interaction	3	2	3	5	CSc 181N & IT 123	None
IS 130	Fundamentals of Business and Management	3	3	0	3	None	None
CSc 171	Introduction to Artificial Intelligence	3	2	3	5	CSc 121	None
IT 196/ IT 198	CAPSTONE Project 1/ Methods of Research	3	3	0	3	CSc 181N	None
Tech Elect 2	Specialization 2	3	2	3	5	CSc 181N	None
Total		21	17	12	29		

Third Year Summer

Hist 3	History of Filipino Muslims & Lumads	3	3	0	3	None	None
IT 197/ IT 199	CAPSTONE Project 2 / Thesis	3	1	6	7	IT 196 / IT 198	None
Total		6	4	6	10		

Fourth Year, First Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisite
			Lec	Lab	Total		
Bus E 66	New Enterprise Dev. In the Phil. Environment	3	3	0	3	IS 130	None
IT 193	Special Topics in IT	3	3	0	3	CSc 181N	None
IS 132	Project Management and Quality Systems	3	3	0	3	IS 130	None
CSc 109	Social, Ethical & Professional Issues	3	3	0	3	CSc 181N	None
Tech Elect 3	Specialization 3	3	2	3	5	CSc 181N	None
Tech Elect 4	Specialization 4	3	2	3	5	CSc 181N	None
Tech Elect 5	Specialization 5	3	2	3	5	CSc 181N	None
Total		21	18	9	27		

Fourth Year, Second Semester

Course No.	Course Title	Units	Hours/Week			Pre-requisite	Co-requisite
			Lec	Lab	Total		
IT 190	Supervised On-the-Job Training	12			40	CSc 181N	None
Total		12	0	0	40		

Grand Total 179 units

OPTION A: DATABASE SYSTEMS

Technical Electives: (15 Units required)

IT 180	Data Warehousing and Data Mining
IT 181	Distributed Databases
IT 182	Web Services
IT 186	Modern Query Languages
IT 183	Database Security, Admin & Management
IT 184	Advanced Databases
IT 185	Lexical Databases
IT 187	Information Assurance
IT 188	Information Engineering
IT 189	Knowledge Based Systems

OPTION B: MULTIMEDIA SYSTEMS

Technical Electives: (15 Units required)

IT 130	Multimedia Systems
IT 131	Computer Graphics
IT 132	3D Modeling & Animation
IT 133	Advanced 3D Computer Modeling for Animation
IT 134	Introduction to Games: Theory and Design
IT 135	Instructional Software Design and Development
IT 136	Graphical User Interface & Interaction Design
IT 137	Advanced Web Applications

OPTION C: NETWORK SYSTEMS

Technical Electives: (15 Units required)

IT 160	Routing and Routing Basics
IT 161	Switching Basics and Intermediate Routing
IT 162	WAN Technologies
IT 163	Network Security
IT 164	Network Administration
IT 165	Directory Services
IT 166	Network Design & Implementation
IT 168	Wireless Technologies
IT 169	Graph Theory and Applications

Other Technical Electives maybe taken from the BSCS, BSIS, ENGINEERING, MATH, PHYSICS and other allied programs of the university.