

Program: Bachelor of Science in Computer Science
 Department: Information Technology Department
 College: College of Engineering and Information Technology
 Date of Last Revision: 2/4/2008

First Year - First Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
Math 1.7	College Algebra	3	3	0	3	0	
Math 2.1	Plane and Spherical Trigonometry	3	3	0	3	0	
Eng 1	Study & Thinking Skills	3	3	0	3	0	
IT 1	Computer Concepts and Fundamentals	3	2	1	2	3	
Acctg 1	Basic Accounting I	3	3	0	3	0	
Fil 1	Komunikasyon sa Akademikong Filipino	3	3	0	3	0	
PE 1	Physical Fitness	2	2	0	2	0	
NSTP 1	CWTS/LTS/ROTC	(3)	3	0	3	0	

First Year - Second Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
Math 6.4	Analytic Geometry	3	3	0	3	0	Math 1.7, Math 2.1
Math 4	Advanced Algebra	3	3	0	3	0	Math 1.7
CSC 101	Fundamentals of Problem Solving and Programming	3	2	1	2	3	Math 1.7, IT 1
SOCSCI 20	Philippine History, Roots and Development	3	3	0	3	0	
Eng 2	Writing in the Discipline	3	3	0	3	0	Eng 1
Acctg 2	Basic Accounting II	3	3	0	3	0	ACCTG 1
Fil 2	Pagbasa at Pagsulat tungo sa Pananaliksik	3	3	0	3	0	Fil 1
PE 2	Rhythmic Activities	2	2	0	2	0	PE 1
NSTP 2	CWTS/LTS/ROTC	(3)	3	0	3	0	

Second Year - First Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
Math 9.1	Differential Calculus	4	4	0	4	0	Math 4, Math 6.4
CSC 121	Data Structures I	3	2	1	2	3	CSC 101
Philo 2	Introduction to Logic	3	3	0	3	0	
Phys 10	General Physics I (Lec)	3	3	0	3	0	Math 1.7, Math 2.1
Phys 10.1	General Physics I (Lab)	1	0	1	0	3	Math 1.7, Math 2.1
Eng 3	Speech and Oral Communication	3	2	1	2	3	
PE 3	Individual & Dual Sports	2	2	0	2	0	PE 1

Second Year - Second Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
Math 9.2	Integral Calculus	4	4	0	4	0	Math 9.1
CSC 122	Data Structures II	3	2	1	2	3	CSC 121
CSC 141	Discrete Mathematics for Scientists & Engineers	3	3	0	3	0	Math 4, Philo 2
Phys 12	General Physics III (Lec)	3	3	0	3	0	Phys 10, Phys 10.1
Phys 12.1	General Physics III (Lab)	1	0	1	0	3	Phys 10, Phys 10.1
Eng 4	Technical Writing	3	3	0	3	0	Eng 2
Hum 1	Introduction to Humanities	3	3	0	3	0	
PE 4	Major Sports/ Team Sports	2	2	0	2	0	PE 1

Third Year - First Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
ES 15	Numerical Methods	3	2	1	2	3	CSC 122, Math 9.2
CSC 130	System Analysis and Design	3	2	1	2	3	CSC 122
IT 4	Quality Consciousness, Processes & Habits	3	3	0	3	0	
ES 8	Probability and Statistics for Scientists and Engineers	3	3	0	3	0	Math 9.2
CSC 123	Database Systems	3	2	1	2	3	CSC 122
SOCSCI 22	Life and Works of Rizal	3	3	0	3	0	
ECE 103	Logic Circuits And Switching Theory	4	3	1	3	3	Phys 12, Phys 12.1

Third Year - Second Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
CSC 110	Computer Organization and Architecture and Assemb	3	2	1	2	3	CSC 122
SOCSCI 5	Gen Economics w/ Taxation and Agrarian Reform	3	3	0	3	0	
IT 3	Ethics for IT Professionals	3	3	0	3	0	
SOC SCI 1	General Psychology	3	3	0	3	0	
CSC 131	Software Engineering	3	2	1	2	3	CSC 130
RES 198	Research Methods	3	3	0	3	0	Eng 4, CSC 130
CSC 104	Automata and Language Theory	3	3	0	3	0	CSC 122, CSC 141

Third Year - Summer

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
CSC 197	OJT - HRS (320 hrs)	3					CSC 131
	IT Prof. Exam - Requirements before the student can enrol to 4th year						

Fourth Year - First Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
CSC 107	Design and Implementation of Programming Language	3	2	1	2	3	CSC 122
CSC 105	Introduction to Compiler Design	3	2	1	2	3	CSC 104
SOCSCI 10	Gen Sociology with Population Education	3	3	0	3	0	
CSC 112	Design and Analysis of Algorithm	3	3	0	3	0	CSC 122
CSC 198	Undergraduate Thesis I/Project I	3	0	0	0	0	Res 198
Elective 1	Elective I	3	2	1	2	3	4th Standing

Fourth Year - Second Semester

Courseno	Description	Units	Lec	Lab	Lec	Lab	Prerequisite
CSC 113	Data Communications & Computer Networks	3	2	1	2	3	CSC 110
CSC 111	Operating Systems	3	3	0	3	0	CSC 110
CSC 140	Introduction to Artificial Intelligence	3	2	1	2	3	CSC 122
CSC 199	Undergraduate Thesis II / Project II	3	0	0	0	0	CSC 198
Elective 2	Elective II	3	2	1	2	3	4th year standing
Elective 3	Elective III	3	2	1	2	3	4th year standing

ELECTIVES

- IT 125 Interactive Multimedia Authoring
- IT 131 Management of Information Systems
- CSC 150 Object-Oriented Programming
- CSC 151 Parallel Computing
- CSC 152 Neural Networks
- CSC 153 Computer Simulation and Modelling
- CSC 154 Robot Modelling
- CSC 155 Introduction to Computer Graphics
- CSC 156 Advanced Assembly Programming
- CSC 157 Advance Database Systems (RDBMS)
- CSC 158 Client/Server Programming
- CSC 159 Structures of Programming Languages
- ESM 171 Intro to Remote Sensing and GIS