

Surigao Del Sur State University

Tandag City, Surigao del Sur

COLLEGE OF COLLEGE OF ENGINEERING, COMPUTER STUDIES AND TECHNOLOGY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

2011-2012

1ST YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 111	Computer Fundamentals	3.0	2.0	1.0		
CS 112	Computer Programming 1	3.0	2.0	1.0		
Eng 1	Study and Thinking Skills	3.0	3.0			
Fil 1	Komunikasyon sa Akademikong Filipino	3.0	3.0			
Human 1	Introduction to Humanities	3.0	3.0			
Logic 1	Symbolic Logic	3.0	3.0			
Math 1	College Algebra	3.0	3.0			
Math 1A	Trigonometry	3.0	3.0			
NSTP 1	CWTS / ROTC 1	3.0	3.0			
NSTP 1	CWTS / ROTC 1	3.0	3.0			
PE 1	Self-Testing Activities	2.0	2.0			
32.00 Units						

1ST YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 122	Data Structures	3.0	3.0		CS 111 CS 112	
CS 123	Computer Programming II	3.0	2.0	1.0	CS 112	
Eng 2	Writing in Different Disciplines	3.0	3.0		Eng 1	
Fil 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3.0	3.0		Fil 1	
Math 2	Analytic Geometry	3.0	3.0		Math 1A Math 1	
NatSci	General Chemistry	3.0	2.0	1.0		
NSTP 2	CWTS / ROTC 2	3.0	3.0		NSTP 1	
NSTP 2	CWTS / ROTC 2	3.0	3.0		NSTP 1	
PE 2	Rythmic Activities	2.0	2.0		PE 1	
Psycho 1	General Psychology	3.0	3.0			
29.00 Units						

2ND YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 211	Professional Ethics in IT	3.0	3.0			
CS 212	Digital Design	3.0	3.0			
CS 213	Discrete Structures	3.0	3.0		Math 1	
CS 214	Object Oriented Programming	3.0	2.0	1.0	CS 123	
CS 215	Design and Analysis of Algorithms	3.0	3.0		CS 122	
Eng 3	Speech and Oral Communication	3.0	2.0	1.0	Eng 2	
PE 3	Fundamentals of Games and Sports	2.0	2.0		PE 2	
Physics 1	Mechanics	4.0	3.0	1.0	Math 2	
Stat 1	Probability and Statistics	3.0	3.0		Math 1	
27.00 Units						

2ND YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 221	Trouble Shooting and Hardware Configuration	3.0	2.0	1.0	CS 212 CS 214	
CS 222	Design of Programming Languages	3.0	2.0	1.0	CS 215	
CS 223	Database Systems	3.0	2.0	1.0	CS 214	
CS 224	Website Development	3.0	2.0	1.0	CS 123	
CS 225	Professional Development Course 1	3.0	3.0			
CS 226	Practicum	6.0				
Eng 4	Business Correspondence	3.0	3.0		Eng 2	
PE 4	Recreational Activities	2.0	2.0		PE 3	
26.00 Units						

3RD YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
Acctg 1	Accounting Principles	3.0	3.0			
CS 311	Web Programming	3.0	2.0	1.0	CS 224	
CS 313	CS Elective 1	3.0	2.0	1.0		
CS 314	Computer Organization and Assembly Language	3.0	2.0	1.0	CS 221	
Cs 315	CS Elective 2	3.0	2.0	1.0	CS 222 CS 223	
Lit 1	Literature of the Philippines	3.0	3.0			
Math 3	Differential Calculus	5.0	5.0		Math 2	
SocSci 1	Society and Culture with POPed	3.0	3.0			
26.00 Units						

3RD YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 321	Operating Systems	3.0	2.0	1.0	CS 314	
CS 322	Software Engineering	3.0	3.0		CS 214	
CS 323	Automata and Language Theory	3.0	3.0		CS 213	
CS 324	CS Elective 3	3.0	3.0			
CS 325	Professional Development Course 2	3.0	3.0		CS 225	
Hist 1	Phil. History, Roots and Development	3.0	3.0			
Math 4	Integral Calculus	5.0	5.0		Math 3	
23.00 Units						

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3RD YEAR - SUMMER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 326	Summer Practicum	6.0				
		6.00 Units				

4TH YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 411	Special Project 1	3.0	2.0	1.0		
CS 412	Network Principles and Programming	3.0	2.0	1.0	CS 321	
CS 413	CS Elective 4	3.0	2.0	1.0	CS 321 CS 322 CS 323	
CS 414	Free Elective 1	3.0	2.0	1.0	CS 311	
CS 415	Modeling and Simulation	3.0	2.0	1.0	CS 323	
Econ 101	Principles of Economics with Taxation and Agrarian Reforms	3.0	3.0			
		18.00 Units				

4TH YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 422	CS Elective 5	3.0	2.0	1.0		
CS 423	Seminars and Field Trips	3.0	3.0			
CS 424	Special Project 2	3.0	2.0	1.0	CS 411	
CS 425	Free Elective 2	3.0	2.0	1.0	CS 414	
CS 426	CS Elective 6	3.0	3.0		CS 324	
PolSci 1	Politics and Governance	3.0	3.0			
		18.00 Units				