

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

2018-2019

1ST YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 111	Introduction to Computing	3.0	2.0	1.0		
CS 112	Fundamentals of Programming C++	3.0	2.0	1.0		
Fil 1	Kontekstwalisadong Komunikasyon sa Filipino	3.0	3.0			
GE-MMW	Mathematics in the Modern World	3.0	3.0			
GE-PC	Purposive Communication	3.0	3.0			
GE-US	Understanding the Self	3.0	3.0			
IT 1	Living in the IT Era	3.0	3.0			
NSTP 1	National Service Training Program 1	3.0	3.0			
PE 1	Physical Fitness & Health	2.0	2.0			

26.00 Units

1ST YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 121	Discrete Structures 1	3.0	3.0		CS 112	
CS 122	Intermediate Programming - Java Prog.	3.0	2.0	1.0	CS 112	
CS 123	Multimedia Systems	3.0	2.0	1.0	CS 112	
Fil 2	Filipino sa Iba't-ibang Disiplina	3.0	3.0			
GE-CW	Contemporary World	3.0	3.0			
GE-E	Ethics	3.0	3.0			
GE-STS	Science Technology and Society	3.0	3.0			
NSTP 2	National Service Training Program 2	3.0	3.0		NSTP 1	
PE 2	Rhythmic Activities	2.0	2.0		PE 1	

26.00 Units

2ND YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 211	Discrete Structures 2	3.0	3.0		CS 121	
CS 212	Object-Oriented Programming - VB .Net	3.0	2.0	1.0	CS 122	
CS 213	Data Structures and Algorithms	3.0	2.0	1.0	CS 122	
CS 214	Embedded Systems	3.0	2.0	1.0	CS 122	
Entrep 1	The Entrepreneurial Mind	3.0	3.0			
GE-AA	Art Appreciation	3.0	3.0			
PE 3	Individual & Dual Sports	2.0	2.0		PE 2	

20.00 Units

2ND YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 221	Algorithms and Complexity	3.0	3.0		CS 213	
CS 222	Information Management	3.0	2.0	1.0	CS 212	
CS 223	Web Systems and Technologies 1	3.0	2.0	1.0	CS 212	
Ecos 1	People and the Earth's Ecosystem	3.0	3.0			
GE-RPH	Readings in Philippine History	3.0	3.0			
Math-Elec	Theory of Computation	3.0	3.0			
PE 4	Recreational and Team Sports	2.0	2.0			

20.00 Units

3RD YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 311	Automata Theory and Formal Languages	3.0	3.0		CS 221	
CS 312	Architecture and Organization	3.0	3.0		CS 221	
CS 313	Information Assurance and Security	3.0	3.0		CS 222	
CS 314	System Fundamentals - Elective 1	3.0	2.0	1.0	CS 222	
CS 315	Application Dev't & Emerging Technologies	3.0	2.0	1.0	CS 222	
CS 316	Web Systems and Technologies 2	3.0	2.0	1.0	CS 223	
Rizal	Life Works of Jose rizal	3.0	3.0			

21.00 Units

3RD YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 321	Programming Languages	3.0	2.0	1.0	CS 312	
CS 322	Software Engineering 1	3.0	2.0	1.0	CS 312	
CS 323	Social Issues and Professional Practice 1	3.0	3.0		CS 313	
CS 324	Graphics and Visual Computing - Elective 2	3.0	2.0	1.0	CS 316	
CS 325	Mobile Computing 1	3.0	2.0	1.0	CS 315	
CS 326	Modeling and Simulation	3.0	2.0	1.0	CS 314	

18.00 Units

3RD YEAR - SUMMER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 331	Practicum (162 hours)	3.0	3.0			

3.00 Units

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4TH YEAR - FIRST SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 411	Human Computer Interaction	3.0	3.0		CS 323	
CS 412	Operating Systems	3.0	2.0	1.0	CS 321	
CS 413	Software Engineering2	3.0	2.0	1.0	CS 322	
CS 414	CS Thesis Writing 1	3.0	3.0			
CS 415	Intelligent Systems - Elective 3	3.0	2.0	1.0	CS 326	
CS 416	Mobile Computing 2	3.0	2.0	1.0	CS 325	
		18.00 Units				

4TH YEAR - SECOND SEMESTER

Subject Name	Subject Description	Credit Units	Lec. Units	Lab. Units	Pre- Requisites	Grade
CS 421	Networks and Communications	3.0	2.0	1.0	CS 412	
CS 422	CS Thesis Writing 2	3.0	3.0		CS 414	
		6.00 Units				