



COMMISSION ON HIGHER EDUCATION

REGIONAL OFFICE XII

1st Indorsement
June 27, 2023

CHED RO XII
RECORDS SECTION
RELEASED
BY: _____ DATE: 7/5/23

Respectfully indorsed to **SAMSON L. MOLAO, Ed.D.**, President, Sultan Kudarat State University, the herein revised curriculum with contents notation for Bachelor of Science in Computer Science (BSCS), Bachelor of Science in Information Technology (BSIT) and Bachelor of Science in Information System (BSIS) effective Academic Year 2023-2024, with the information that the said curriculum has complied with the minimum requirements of CMO No. 25, s. 2015 – “PSG for BSCS, BSIT and BSIS” and CMO No. 39, s. 2021 “Policies, Standards and Guidelines on the Implementation of Tertiary Physical Education: Physical Activity Towards Health and Fitness (PATHFit)”.


NELIA A. ALIBIN, Ph.D.
Director IV

SULTAN KUDARAT STATE UNIVERSITY
INSTRUCTION DIVISION

RECEIVED
Date: 7.6.2023 Time: 2:19pm
By: IRISH S

cc: Records/File/mtnm

CHED Regional Office XII, Regional Center, City of Koronadal, South Cotabato, Philippines Tel No (083) 228-1130, Email chedro12@ched.gov.ph



BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Effective A.Y 2023-2024
CMO No. 25 s, 2015, CMO No. 20 s, 2013, CMO No. 39 s, 2021

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Program Outcomes:

- A graduate of Bachelor of Science in Computer Science can;
- design and implement effectively the innovative computing researches
 - apply proficiently the algorithmic theories and related computational system in conducting researches
 - address societal problems through producing sustainable research outputs;
 - demonstrate the code of conduct as well as the social and legal aspects of computer science.

FIRST YEAR

1st SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEC 007	Readings in Philippine History / Mga Babasahin hinggil sa Kasaysayan ng Pilipinas	3	0	3	None
GEC 002	Mathematics in the Modern World/ Matematika sa Makabagong Daigdig	3	0	3	None
GEE 006	Philippine Indigenous	3	0	3	None
CC 111	Introduction to Computing	3	0	3	None
CS 111	Fundamentals of Programming	2	3	3	None
PATHFit 1	Physical Activities Toward Health and Fitness 1: Movement Competency Training	2	0	2	None
NSTP 1	Reserve Officers Training Corps 1 / Literacy Training Service 1 / Civic Welfare Training Service 1	3	0	3	None
Total		19	3	20	Units

2nd SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEC 001	Purposive Communication/ Malayunling Komunikasyon	3	0	3	None
GEE 007	Gender and Society	3	0	3	None
CS MATH 121	Analytic Geometry	3	0	3	None
CS 121	Intermediate Programming	2	3	3	CS 111
CS 122	Discrete Structures I	3	0	3	None
PATHFit 2	Physical Activities Toward Health and Fitness 2: Exercise Based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	Reserve Officers Training Corps 2 / Literacy Training Service 2 / Civic Welfare Training Service 2	3	0	3	NSTP1
Total		19	3	20	Units

SECOND YEAR

1st SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEE 010	Philippine Popular Culture	3	0	3	None
IGE 001	Peace and Development with Emphasis on Cultures of Mindanao	3	0	3	None
CS MATH 211	Calculus	3	0	3	CS MATH 121
PFC 001	Object-Oriented Programming	2	3	3	CS 121
CPC 001	Data Structures and Algorithm	2	3	3	CS 121
CS 114	Discrete Structures 2	3	0	3	CS 122
PATHFit 3	Physical Activities Toward Health and Fitness 3: Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 2
Total		18	6	20	Units

2nd SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEC 008	Ethics/Etika	3	0	3	None
IGE 002	Statistics with Computer Applications	2	3	3	None
GEC 009	The Life and Works of Rizal/ Ang Buhay at mga Akda ni Rizal	3	0	3	None
CS 221	Algorithm and Complexity	3	0	3	CS 211 & CS 121
CS 222	Architecture and Organization	3	0	3	CS 211 & CPC 001
CC 115	Information Management	2	3	3	CS 121
PATHFit 4	Physical Activities Toward Health and Fitness 4: Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 2
Total		18	6	20	Units

THIRD YEAR

1st SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEC 003	Science, Technology and Society / Agham, Teknolohiya at Lipunan	3	0	3	None
CS 311	Automata Theory and Formal Language	3	0	3	CS 221
CS 312	Information Assurance and Security	3	0	3	CS 121
CC 116	Applications Development and Emerging Technologies	2	3	3	CC 114
CS ELEC 311	System Fundamentals	3	0	3	None
IS ELEC 321	Data Mining	2	3	3	CS 221
TOTAL		16	6	18	Units

2nd SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
CS 321	Programming Languages	2	3	3	CPC 001
CS 322	Software Engineering I	2	3	3	CC 114
CS 323	Networks and Communications	2	3	3	CS 312
CS 324	Human Computer Interaction	1	0	1	None
CS ELEC 321	Computational Science	2	3	3	IS ELEC 321 & CPC 001
CS ELEC 322	Intelligent Systems	2	3	3	CS ELEC 311
CC 117	Advanced Technical Writing	3	0	3	All Previous Professional Courses
TOTAL		14	15	19	Units

FOURTH YEAR

1st SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEC 005	The Contemporary World/ Ang Kasalukuyang Daigdig	3	0	3	None
GEC 006	Art Appreciation / Pagpapahalaga sa Sining	3	0	3	None
CS 411	Operating System	2	3	3	CPC 001
CS 412	Software Engineering 2	2	3	3	CS 322
CS RES 400A	CS Thesis Writing 1	3	0	3	All Previous Professional Courses
CS ELEC 411	Parallel and Distributed Computing	2	3	3	CS ELEC 321
Total		15	9	16	Units

2nd SEMESTER					
Course Code	Course Title	No. of Hours		Unit	Pre-Req
		Lec	Lab		
GEC 004	Understanding the Self / Pag-unawa sa Sarili	3	0	3	None
CS 421	Mobile Computing	3	0	3	CS 412
CS 422	Social Issues and Professional Practice	2	3	3	CS 321
CES RES 400B	CS Thesis Writing 2	3	0	3	CS 413
IS ELEC 411	Business Intelligence	2	3	3	IS ELEC 321
CS ELEC 421	Graphics and Visual Computing	2	3	3	CS ELEC 411
Total		15	9	18	Units

Prepared:

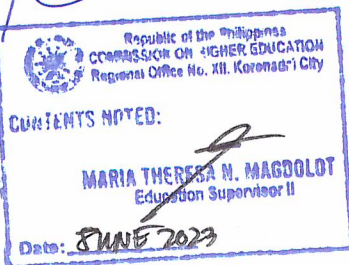
IAN MARK E. ORCAJADA, MIT
Program Chairman

Approved:

JESUSA D. ORTUOSTE, PhD
Vice President for Academic Affairs

Noted:

BENEDICT A. RABUT, DIT
College Dean



Summary	CHED	SKSU
General Education Courses (GEC)	27	27
General Education Elective (GEE)	9	9
Institutional General Education (IGE)	0	6
Professional Courses	66	67
Professional Electives	9	9
Common Courses	18	18
Additional Math	3	6
PATHFit	8	8
NSTP	6	6
Total	146	156