July 17, 2023

RELEASED
CHEDRO IV

JUL 2 7 2023

By: _____

1148-28-01

Dr. Nancy T. Pascual
President
University of Rizal System
Morong, Rizal

Dear Dr. Pascual:

This is to acknowledge receipt, contents noted and made as a matter of record your communication received by this Office on June 19, 2023, regarding your revised curriculum for Bachelor of Science in Computer Science (BSCS) program effective Academic Year (AY) 2023-2024, per CMO No. 25, series of 2015, "Revised Policies, Standards and Guidelines for Bachelor of Science in Computer Science (BSCS), Bachelor of Science in Information Systems (BSIS), and Bachelor of Science in Information Technology (BSIT) Programs".

You are hereby informed that the revised curriculum shall be applicable only to entering freshmen and new students of the intended academic year.

Very truly yours,

DR. VIRGINIA D. AKIATE, CESO III
Director IV

Contact us: ched4a@ched.gov.ph / (02) 8332-4734
Give us Feedback: http://bit.ly/CHEDROIVCSS

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BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Revised Curriculum based on CMO No. 25, s. 2015; CMO 39, s. 2021

First Year - First Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
Self 1	Understanding the Self	3	0	3	
Math 1	Mathematics in the Modern World	3	0	3	
Eng 1	Purposive Communication	3	0	3	
Elective 1	Environmental Science	3	0	3	
ITE 3	Introduction to Computing	2	3	3	
ITE 4	Computer Programming 1	2	3	3	
PATHFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service and Training Program 1 (CWTS/LTS/ROTC)	3	0	3	
TOTAL				**23**	

First Year - Second Semester

LOUPEL B. GUETA
Education Supervisor II
CHEDRO IV-A

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
Sci & Tech 1	Science, Technology and Society	3	0	3	
Hum 1	Art Appreciation	3	0	3	
Elective 2	Gender and Society	3	0	3	
Math Elec 1	General Physics	3	0	3	
ITE 5	Computer Programming 2	2	3	3	ITE 4
CS 1	Discrete Structures 1	3	0	3	
PATHFit 2	Exercise-based Fitness Activities	2	0	2	PATHFit 1
NSTP 2	National Service and Training Program 2 (CWTS/LTS/ROTC)	3	0	3	NSTP 1
TOTAL				**23**	

Second Year - First Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
History 1	Readings in Philippine History	3	0	3	
CW 1	The Contemporary World	3	0	3	
Ethics	Ethics	3	0	3	
Elective 3	Statistics with Computer Applications	3	0	3	
ITE 6	Data Structures and Algorithms	3	0	3	ITE 5
CS 2	Object-Oriented Programming	2	3	3	ITE 5
CS 3	Discrete Structures 2	3	0	3	CS 1
PATHFit 3	Menu of Dance, Sports, Martial Arts, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1, PATHFit 2
TOTAL				**23**	

Second Year - Second Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
Rizal	Life and Works of National Hero Dr. Jose Rizal	3	0	3	
ITE 7	Application Development and Emerging Technologies	2	3	3	ITE 5
ITE 8	Information Management	2	3	3	ITE 6, CS 2
CS 4	Algorithms and Complexity	3	0	3	
CS 5	Web Development	2	3	3	ITE 4
CS 6	Advanced Object-Oriented Programming	2	3	3	CS 2
PATHFit 4	Menu of Dance, Sports, Group Exercise, Outdoor and Adventure Activities	2	0	2	PATHFit 1, PATHFit 2
TOTAL				**20**	

Third Year - First Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
CS ELEC 1	CS Elective 1	2	3	3	
CS 7	Advanced Web Programming	2	3	3	CS 5
CS 8	System Analysis and Design	3	0	3	CS 5, CS 6
CS 9	Architecture and Organization	3	0	3	ITE 3
CS 10	Automata Theory and Formal Languages	3	0	3	CS 4
CS 11	Information Assurance and Security	3	0	3	
CS 12	Mobile Computing	2	3	3	CS 2, ITE 7
TOTAL				**21**	

Third Year - Second Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
CS Thesis 1	CS Thesis Writing 1	3	0	3	3rd Yr Standing
CS ELEC 2	CS Elective 2	2	3	3	
CS 13	Programming Languages	2	3	3	CS 5
CS 14	Software Engineering 1	2	3	3	CS 7, CS 8
CS 15	Social Issues and Professional Practice	3	0	3	
CS 16	Human Computer Interaction	3	0	3	
TOTAL				**18**	

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Fourth Year - First Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
CS Thesis 2	CS Thesis Writing 2	3	0	3	CS Thesis 1
CS ELEC 3	CS Elective 3	2	3	3	
CS 17	Operating Systems	2	3	3	CS 9
CS 18	Networks and Communications	2	3	3	CS 9
CS 19	Software Engineering 2	2	3	3	CS 14
TOTAL				**15**	

Fourth Year - Second Semester

Course Code	Descriptive Title	Hours/Week Lec	Hours/Week Lab	Unit	Prerequisite
CS 20	Practicum (300 hours)		300	3	4th yr standing
TOTAL				**3**	

BSCS ELECTIVES:

Computational Science
Graphics and Visual Computing
Parallel and Distributed Computing
Internet-of-Things (IoT)
Cloud Computing

LOUPEL B. GUETA
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CHEDRO IV-A

Intelligent Systems
System Fundamentals
Advanced Networking
Cybersecurity

SUMMARY

Classification/Field/Courses	Number of Units
General Education	36
Common Courses	18
Professional Courses	66
Professional Electives	9
Additional Math Requirement	3
PATHFit	8
NSTP	6
TOTAL	**146**