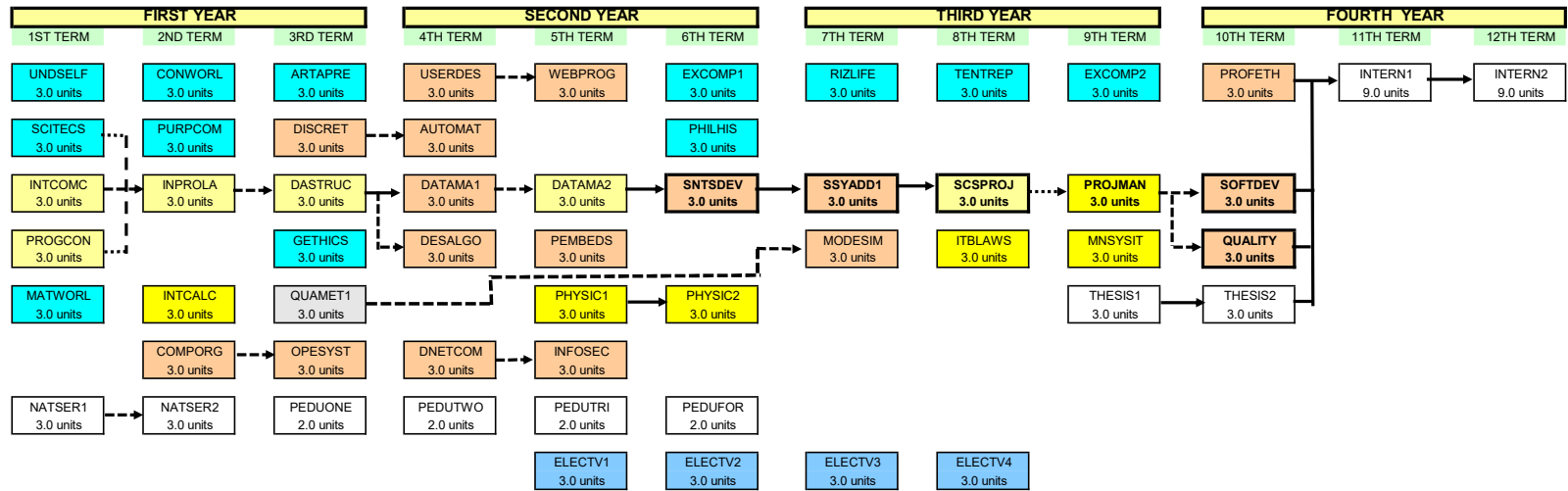




# BACHELOR OF SCIENCE IN COMPUTER SCIENCE

## BSCS

2024-2025



**ELECTIVES**

RPACRS1	RPACRS2	RPACRS3	RPACRS4	Robotics Process Automation (RPA) Track
COMSEC1	COMSEC2	COMSEC3	WEBPSEC	Computer Security Track
WINSERV	AENUNIX	REDHATA	REDHATB	Operating Systems Track
ANLYTC1	ANLYTC2	ANLYTC3	ANLYTC4	IT Analytics Track
GTHSTB	3DANDGS	GAMEDES	GAMPROD	Game Design & Development Track
CLDSRV1	CLDSRV2	CLDSRV3	CLDSRV4	Cloud Computing & Virtualization Track

176  
UNITS

18

18

20

17

20

17

12

12


12


12

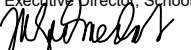
9

9

Note \*  courses in heavily outlined boxes are under Project-Based Learning (PBL)

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# BACHELOR OF SCIENCE IN COMPUTER SCIENCE

## BSCS

2024-2025

GENERAL EDUCATION		
ARTAPRE	ART APPRECIATION	3 units
GETHICS	ETHICS	3 units
PURPCOM	PURPOSIVE COMMUNICATION	3 units
CONWORL	THE CONTEMPORARY WORLD	3 units
MATWORL	MATHEMATICS IN THE MODERN WORLD	3 units
PHILHIS	READINGS IN PHILIPPINE HISTORY	3 units
SCITECS	SCIENCE, TECHNOLOGY & SOCIETY	3 units
UNDESELF	UNDERSTANDING THE SELF	3 units
		<b>24 units</b>

GE ELECTIVES		
EXCOMP1	EXTENSIVE COMPETENCY COMMUNICATION PROGRAM 1	3 units
EXCOMP2	EXTENSIVE COMPETENCY COMMUNICATION PROGRAM 2	3 units
TENTREP	TECHNOPRENEURSHIP	3 units
		<b>9 units</b>

REQUIRED COURSE/S		
RIZLIFE	THE LIFE AND WORKS OF RIZAL	3 units
		<b>3 units</b>

PHYSICAL EDUCATION		
PEDUONE	PHYSICAL EDUCATION 1	2 units
PEDUTWO	PHYSICAL EDUCATION2	2 units
PEDUTRI	PHYSICAL EDUCATION 3	2 units
PEDUFOR	PHYSICAL EDUCATION 4	2 units
		<b>8 units</b>

NATIONAL SERVICE		
NATSER1	NATIONAL SERVICE1	3 units
NATSER2	NATIONAL SERVICE2	3 units
		<b>6 units</b>

INTERNSHIP		
INTERN1	INTERNSHIP 1	9 units
INTERN2	INTERNSHIP 2	9 units
		<b>18 units</b>

ADDITIONAL MATH REQUIREMENT		
QUAMET1	QUANTITATIVE METHODS 1	3 units
		<b>3 units</b>

COMMON COURSES		
INTCOMC	INTRODUCTION TO COMPUTING FOR CS / IT	3 units
PROGCON	PROGRAMMING CONCEPTS & LOGIC	3 units
INPROLA	INTRODUCTION TO PROGRAMMING LANGUAGES	3 units
DASTRUC	DATA STRUCTURES	3 units
DATAMA2	DATABASE MANAGEMENT 2 and ADMINISTRATION	3 units
SCSPROJ	APPLIED PROJECT FOR CS	3 units
		<b>18 units</b>

PROFESSIONAL COURSES		
USERDES	UI/UX DESIGN AND PROGRAMMING	3 units
COMPORG	COMPUTER ORGANIZATION & ARCHITECTURE	3 units
DATAMA1	DATABASE MANAGEMENT 1	3 units
DESALGO	DESIGN AND ANALYSIS OF ALGORITHMS	3 units
DISCRET	DISCRETE MATHEMATICS	3 units
WEBPROG	WEB PROGRAMMING	3 units
OPESTYS	OPERATING SYSTEMS	3 units
AUTOMAT	AUTOMATA THEORY	3 units
MODESIM	MODELING, SIMULATION AND AI	3 units
DNETCOM	NETWORK SECURITY, STORAGE & DATA COMMUNICATION	3 units
SOFTDEV	SOFTWARE DEVELOPMENT	3 units
INFOSEC	INFORMATION SECURITY	3 units
QUALITY	SOFTWARE QUALITY MANAGEMENT	3 units
PROFETH	PROFESSIONAL ETHICS	3 units
SNTSDEV	INTRODUCTION TO SYSTEMS AND DESIGN	3 units
SSYADD1	SYSTEMS ANALYSIS & DETAILED DESIGN	3 units
PEMBEDS	PROGRAMMING EMBEDDED SYSTEMS	3 units
		<b>51 units</b>

ELECTIVES: GAME DESIGN & DEVELOPMENT TRACK		
GTHESTB	GAME THEORY & STORYBOARDING	3 units
3DANDGS	3D Animation and Digital Sound	3 units
GAMEDES	GAME DESIGN & DEVELOPMENT	3 units
GAMPROD	GAME PRODUCTION	3 units

ELECTIVES: SECURITY TRACK		
COMSEC1	COMPUTER SECURITY 1	3 units
COMSEC2	COMPUTER SECURITY 2	3 units
COMSEC3	COMPUTER SECURITY 3	3 units
WEBPSEC	WEB APPLICATION & PROGRAMMING SECURITY	3 units

AUGMENTED COURSES		
MNSYSIT	MANAGEMENT INFORMATION SYSTEMS & IT TRENDS	3 units
ITBLAWS	IT AND BUSINESS LAWS	3 units
PHYSIC1	PHYSICS FOR CS 1	3 units
PHYSIC2	PHYSICS FOR CS 2	3 units
PROJMAN	PROJECT MANAGEMENT	3 units
INTCALC	INTRODUCTION TO CALCULUS	3 units
		<b>18 units</b>

THESIS		
THESIS1	THESIS WRITING 1	3 units
THESIS2	THESIS WRITING 2 AND PRESENTATION	3 units
		<b>6 units</b>

PROFESSIONAL ELECTIVES		
ELECTV1	ELECTIVE 1	3 units
ELECTV2	ELECTIVE 2	3 units
ELECTV3	ELECTIVE 3	3 units
ELECTV4	ELECTIVE 4	3 units
		<b>12 units</b>

ELECTIVES: ROBOTIC PROCESS AUTOMATION TRACK		
RPACRS1	RPA PRIMER	3 units
RPACRS2	UIPATH ESSENTIALS	3 units
RPACRS3	UIPATH ADVANCE	3 units
RPACRS4	RPA SOLUTION	3 units

ELECTIVES: OPERATING SYSTEMS TRACK		
WINSERV	WINDOWS SERVER	3 units
AENUNIX	ADVANCED & ENTERPRISE UNIX	3 units
REDHATA	RED HAT TOPICS A	3 units
REDHATB	RED HAT TOPICS B	3 units

ELECTIVES: IT BUSINESS ANALYTICS TRACK		
ANLYTC1	FUNDAMENTALS OF BUSINESS ANALYTICS	3 units
ANLYTC2	FUNDAMENTALS OF ENTERPRISE DATA MANAGEMENT	3 units
ANLYTC3	FUNDAMENTALS OF ANALYTICS MODELING	3 units
ANLYTC4	ANALYTICS TECHNIQUES, TOOLS & APPLICATION	3 units

ELECTIVES: CLOUD COMPUTING & VIRTUALIZATION TRACK		
CLDSRV1	CLOUD SERVICE 1	3 units
CLDSRV2	CLOUD SERVICE 2	3 units
CLDSRV3	CLOUD SERVICE 3	3 units
CLDSRV4	CLOUD SERVICE 4	3 units