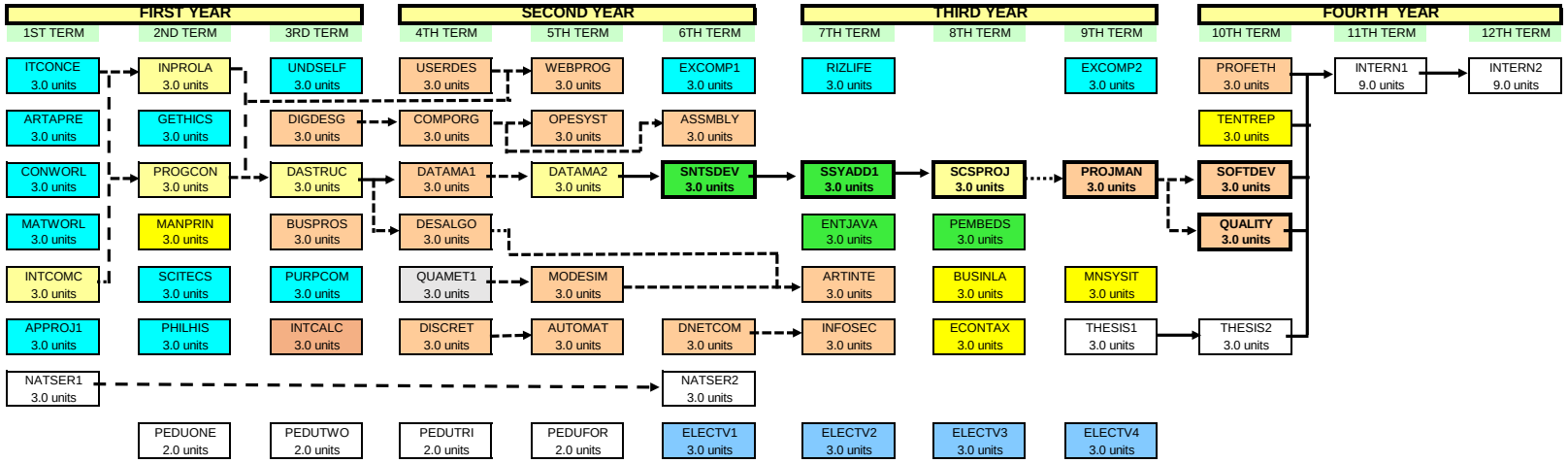
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
BSCS-SS With Specialization in SOFTWARE SYSTEMS

2022-2023



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**
GTHESTB	3DANDGS	GAMEDES	GAMPROD	**Game Design & Development Track**
CLDFOUN	CLDARCH	CLDDEVT	CLDOPER	**Cloud Computing & Virtualization Track**

197 UNITS	21	20	20	20	17	18	18	15	15	15	9	9

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

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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
UNDSELF	UNDERSTANDING THE SELF	3 units
RIZLIFE	THE LIFE AND WORKS OF RIZAL	3 units
		27 units

GE ELECTIVES		
ITCONCE	IT CONCEPTS (Introduction to ICT with IT Infrastructure)	3 units
EXCOMP2	EXTENSIVE COMPETENCY COMMUNICATION PROGRAM	3 units
APPROJ1	APPLIED PROJECT 1	3 units
		9 units

LITERATURE		
EXCOMP1	LITERATURE	3 units
		3 units

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
		8 units

NATIONAL SERVICE		
NATSER1	NATIONAL SERVICE1	3 units
NATSER2	NATIONAL SERVICE2	3 units
		6 units

INTERNSHIP		
INTERN1	INTERNSHIP 1	9 units
INTERN2	INTERNSHIP 2	9 units
		18 units

ADDITIONAL MATH REQUIREMENT		
QUAMET1	QUANTITATIVE METHODS 1	3 units
		3 units

COMMON COURSES		
INTCOMC	INTRODUCTION TO COMPUTING FOR CS / IT	3 units
PROGCON	PROGRAMMING CONCEPTS & LOGIC	3 units
INPROLA	INTRODUCTION TO PROGRAMMING & THEORIES	3 units
DASTRUC	DATA STRUCTURES	3 units
DATAMA2	DATABASE MANAGEMENT 2 and ADMINISTRATION	3 units
SCSPROJ	APPLIED PROJECT - SYSTEM PROTOTYPE	3 units
		18 units

PROFESSIONAL COURSES		
DIGDESG	DIGITAL DESIGN	3 units
BUSPROS	BUSINESS PROCESS	3 units
USERDES	UI/UX DESIGN AND PROGRAMMING	3 units
COMPORG	COMPUTER ORGANIZATION & ARCHITECTURE	3 units
DATAMA1	DATABASE MANAGEMENT 1	3 units
DESALGO	DESIGN AND ALGORITHMS	3 units
INTCALC	INTRODUCTION TO CALCULUS	3 units
DISCRET	DISCRETE MATHEMATICS	3 units
WEBPROG	WEB PROGRAMMING	3 units
OPESYST	OPERATING SYSTEMS	3 units
AUTOMAT	AUTOMATA THEORY	3 units
ASSMBLY	ASSEMBLY LANGUAGE	3 units
MODESIM	MODELING AND SIMULATION	3 units
DNETCOM	NETWORK SECURITY, STORAGE & DATA COMMUNICATION	3 units
ARTINTE	ARTIFICIAL INTELLIGENCE	3 units
PROJMAN	PROJECT MANAGEMENT	3 units
SOFTDEV	SOFTWARE DEVELOPMENT	3 units
INFOSEC	INFORMATION SECURITY	3 units
QUALITY	SOFTWARE QUALITY MANAGEMENT	3 units
PROFETH	PROFESSIONAL ETHICS	3 units
		60 units

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

ELECTIVES: CLOUD COMPUTING & VIRTUALIZATION TRACK		
CLDFOUN	AWS ACADEMY CLOUD FOUNDATIONS	3 units
CLDARCH	AWS ACADEMY CLOUD ARCHITECTING	3 units
CLDDEVT	AWS ACADEMY CLOUD DEVELOPING	3 units
CLDOPER	AWS ACADEMY CLOUD OPERATIONS	3 units

AUGMENTED COURSES		
MANPRIN	MANAGEMENT PRINCIPLES	3 units
MNSYSIT	MANAGEMENT INFORMATION SYSTEMS & IT TRENDS	3 units
BUSINLA	BUSINESS LAW	3 units
ECONTAX	ECONOMICS AND TAXATION	3 units
TENTREP	TECHNOPRENEURSHIP	3 units
		15 units

SOFTWARE SYSTEMS SPECIALIZATION TRACK		
SNTSDEV	INTRODUCTION TO SYSTEMS AND DESIGN	3 units
SSYADD1	SYSTEMS ANALYSIS & DETAILED DESIGN	3 units
ENTJAVA	ENTERPRISE JAVA	3 units
PEMBEDS	PROGRAMMING EMBEDDED SYSTEMS	3 units
		12 units

THESIS		
THESIS1	THESIS WRITING 1	3 units
THESIS1	THESIS WRITING 2 AND PRESENTATION	3 units
		6 units

PROFESSIONAL ELECTIVES		
ELECTV1	ELECTIVE 1	3 units
ELECTV2	ELECTIVE2	3 units
ELECTV3	ELECTIVE 3	3 units
ELECTV4	ELECTIVE 4	3 units
		12 units

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