



Republic of the Philippines
PARTIDO STATE UNIVERSITY
Camarines Sur

PARTIDO STATE UNIVERSITY
ISSUED
DATE: **JUL 24 2021**
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PROGRAM OF STUDY
BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)
Based on CMO No. 25, s. 2015
BOR Res. No. 23, s. 2018; BOR Res. No. 35, s. 2020
Effective AY 2020-2021

PARTIDO STATE UNIVERSITY

CONTROLLED

First Semester							FIRST YEAR							Second Semester						
CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite	CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite							
CC1	Introduction to Computing	3	2	3	5	None	DS2	Discrete Structures 2	3	3	0	3	DS1							
CC2	Fundamentals of Programming	3	2	3	5	None	CSP1	Database Systems	3	2	3	5	None							
GE1	Understanding the Self	3	3	0	3	None	CC3	Intermediate Programming	3	2	3	5	CC2							
GE2	Readings in Philippine History	3	3	0	3	None	GE4	Mathematics in the Modern World	3	3	0	3	None							
GE3	The Contemporary World	3	3	0	3	None	GE5	Purposive Communication	3	3	0	3	None							
GEE1	Peace Studies	3	3	0	3	None	GEE2	Indigenous People's (IP) Studies	3	3	0	3	None							
DS1	Discrete Structures 1	3	3	0	3	PRE-CALCULUS **	PE2	Physical Activities towards Health and Fitness (PATH-Fit) II: Fitness Training	2	2	0	2	None							
PE1	Physical Activities towards Health and Fitness (PATH-Fit) I: Movement Competency Training	2	2	0	2	None	NSTP2	CWTS 2/ROTC 2	3	3	0	3	NSTP1							
NSTP1	CWTS 1/ ROTC 1	3	3	0	3	None														
TOTAL		26	24	6	30		TOTAL		23	21	6	27								

First Semester							SECOND YEAR							Second Semester						
CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite	CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite							
CC4	Data Structures and Algorithms	3	2	3	5	CC3	CC5	Information Management	3	2	3	5	CC3							
NC1	Networks and Communications	3	2	3	5	CC3	AL1	Algorithms and Complexity	3	3	0	3	DS1,CC4							
SDF1	Object Oriented Programming	3	2	3	5	CC3	MATHELEC1	Mathematical Modelling	3	2	3	5	CSP2							
CSP2	Numerical Methods and Analysis	3	2	3	5	BASIC CALCULUS **	CSP3	Evolutionary Algorithms	3	2	3	5	MATHELEC1, CC4							
GE6	Art Appreciation	3	3	0	3	None	AR1	Architecture and Organization	3	3	0	3	DS1,CC4							
GE7	Science, Technology, and Society	3	3	0	3	None	MATH5E	Differential Calculus	4	4	0	4	BASIC CALCULUS **							
GEE3	Living in the IT Era	3	3	0	3	None	GE8	Ethics	3	3	0	3	None							
PE3	Physical Activities towards Health and Fitness (PATH-Fit) III: Dance and Sports	2	2	0	2	None	PE4	Physical Activities towards Health and Fitness (PATH-Fit) IV: Group Exercises, Outdoor and Adventure Activities	2	2	0	2	None							
TOTAL		23	19	12	31		TOTAL		24	21	9	30								

First Semester							THIRD YEAR							Second Semester						
CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite	CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite							
AL2	Automata Theory and Formal Languages	3	3	0	3	AL1	PL1	Programming Languages	3	2	3	5	CC4							
IAS1	Information Assurance and Security	2	3	0	3	CC5	SE1	Software Engineering 1	3	2	3	5	CC5,SDF1							
CSELEC1	Parallel and Distributed Computing	3	2	3	5	AL1	SP1	Social Issues and Professional Practice 1	3	3	0	3	None							
CC6	Application Development and Emerging Technologies	3	2	3	5	CC5	CSELEC2	Computational Science	3	2	3	5	AL1							
CSP4	Data Science	3	2	3	5	CC4	CSP5	Methods of Research and Computing	3	2	3	5	3rd Year Standing							
MATH6E	Integral Calculus	4	4	0	4	MATH5E	CSP6	Intelligent Systems	3	2	3	5	AL1							
GE9	Life and Works of Rizal	3	3	0	3	None														
TOTAL		21	19	9	28		TOTAL		18	13	15	28								

CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite
PRAC1	Practicum	3	162 Hours		70% total units = 110 units	
TOTAL		3	0	0	0	

First Semester							FOURTH YEAR							Second Semester						
CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite	CODE	SUBJECT TITLE	Unit	LEC	LAB	CH	Prerequisite							
HC11	Human Computer Interaction	1	3	0	3	CC3	THS2	CS Thesis 2	3	3	0	3	THS1							
OS1	Operating Systems	3	2	3	5	CC4	TOTAL													
SE2	Software Engineering 2	3	2	3	5	SE1														
CSELEC3	Graphics and Visual Computing	3	2	3	5	AL1														
THS1	CS Thesis 1	3	3	0	3	4th Year Standing														
ST1	Seminars and Tours	3	3	0	3	4th Year Standing														
TOTAL		16	15	9	24															

SUMMARY		
General Education		27
Common Courses		18
Professional Courses		48
Professional Electives		9
Additional Professional or Domain Courses		18
Advance Math Requirement		11
Filipino		9
PE		8
NSTP		6
Seminar and Tours		3
		157 UNITS

