



St. Mary's College of Catbalogan
Catbalogan City, Samar
Revised Curriculum for
Bachelor of Science in Computer Science
As per CMO Number 25, series of 2015
A.Y. 2018-2019

First Semester

<u>Subject Code</u>		<u>Descriptive Title</u>	<u>Lec.</u>	<u>Lab</u>	<u>Units</u>	<u>Pre-Requisite/s</u>
RS	1	Scriptures and OT, Salvation History/ Justice and Peace	3	0	(3)	
Computer	1	Introduction to Computing	3	0	(3)	
Programming	2	Computer Programming 1	3	0	(3)	
Gen. Education	1	Understanding the Self	3	0	3	
Gen. Education	2	Readings in Philippine History/Peace Education	3	0	3	
Math Prep	3	Pre-Calculus for Non-STEM (Algebra & Trigo)	3	0	(3)	
P.E.	1	Gymnastics	2	0	2	
NSTP	1	National Service Training Program/ Engaged Citizenship	<u>3</u>	<u>0</u>	<u>3</u>	
					23	units

Second Semester

RS	2	Christology	3	0	(3)	RS 1
Discreet	1	Discreet Structure 1	3	0	3	
Filipino	1	Komunikasyon sa Akademikong Filipino	3	0	3	
Programming	2	Computer Programming 2	3	0	3	
WEB	1	Web Development	3	0	3	
Gen. Education	3	The Contemporary World	3	0	3	
Gen. Education	4	Mathematics in the Modern World	3	0	3	
P.E.	2	Fundamentals of Dance Steps	2	0	2	P.E. 1
NSTP	2	National Service Training Program	<u>3</u>	<u>0</u>	<u>3</u>	NSTP 1
					26	units

SECOND YEAR

First Semester

RS	3	Church and Sacraments	3	0	(3)	RS 1 & 2
Discreet	2	Discreet Structure 2	3	0	3	
Filipino	2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	
DATASTRUCT	1	Data Structure and Algorithms	3	0	3	
DIGITAL	1	Digital Logic Design	3	0	3	
ACCTG	A	Fundamentals of Accounting	3	0	3	
Gen. Education	5	Purposive Communication	3	0	3	
GEEL	1	Living in the IT Era	3	0	3	
P.E.	3	Table Tennis/ Arnis	<u>2</u>	<u>0</u>	<u>2</u>	P.E. 1 & 2
					26	units

Second Semester

RS	4	Christian Morality	3	0	(3)	RS 1, 2 & 3
Literature	1	Philippine Literature	3	0	3	
ALGO	1	Analysis and Design of Algorithm	3	0	3	
OOP	1	Object Oriented Programming	3	0	3	
IM	1	Information Management	3	0	3	
COMP-ORG	1	Computer Organization & Architecture	3	0	3	
Math	7	Statistics and Probabilities	3	0	3	
GEEL	2	Reading Visual Arts	3	0	3	GEEL 1
P.E.	4	Fundamentals of Games & Sports	<u>2</u>	<u>0</u>	<u>2</u>	P.E. 1, 2 & 3
					26	units

Summer					
QM		Quantitative Methods	3	0	3
SP		Social Issues & Professional Practice	3	0	3
HCI		Human Computer Interaction/ Gender Equality	3	0	3
				9	units

THIRD YEAR

First Semester

AUTOMATA	1	Automata Theory and Formal Language	3	0	3	
NET	1	Data Communication and Networking	3	0	3	
CS Elect	1	Intelligent Systems	3	0	3	
SOFTENG	1	Software Engineering 1	3	0	3	
APPSDEV	1	Application Development 1	3	0	3	
Literature	2	World Literature	3	0	3	
OS		Operating Systems	3	0	3	
CS PROF EL	1	CS Professional Elective 1 (System Fundamentals)	3	0	3	
CS PROF EL	2	CS Professional Elective 1(Computational Science)	3	0	3	
				27		units

Second Semester

PL	1	Programming Languages	3	0	3	
SOFTENG	2	Software Engineering 2	3	0	3	SOFTENG 1
CS Elect	2	Graphics and Visual Computing	3	0	3	CS Elect 1
APPSDEV	2	Application Development 2	3	0	3	APPSDEV 1
Research	1	Methods of Research in Computing	3	0	3	
TECHNO		Technopreneurship/Poverty Alleviation	3	0	3	
Gen. Education	6	Art Appreciation/Peace Education	3	0	3	
				21		units
SUMMER						
PRAC	1	Practicum	3	0	3	
				3		units

FOURTH YEAR

First Semester

CS ELEC	3	Natural Language Processing	3	0	3	CS Elect 2
THESIS	1	Thesis Writing 1	3	0	3	
IT REVIEW		Certification Exam Review	3	0	3	
Gen. Education	7	Science, Technology & Society/ Ecological Integrity	3	0	3	
Gen. Education	8	Ethics/Youth Empowerment	3	0	3	
CS PROF EL	3	CS Professional Elec.3 (Parallel and Distributed Computing)	3	0	3	CS PROF EL 2
				18		units

Second Semester

IAS	1	Information Assurance and Security	3	0	3	
Rizal	8	The Life & Works of Rizal	3	0	3	
THESIS	2	Thesis Writing 2	3	0	3	
SEMTOUR		Seminars and Tours	3	0	3	
				12		units