



**ST. MARY'S COLLEGE OF CATBALOGAN (INC.)**  
 (formerly: Sacred Heart College, (Inc.)  
 Corner Mabini and del Rosario St. Catbalogan City, Samar

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)**  
 Academic Year 2026 - 2027  
 Revised Curriculum Based on CMO 25, Series 2015

FIRST YEAR		FIRST SEMESTER			
Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	RS	1	Scriptures and OT, Salvation History/Justice and Peace	3	None
	Computer	1	Introduction to Computing	3	None
	Programming	1	Computer Programming 1	3	None
	Gen. Education	1	Understanding the Self	3	None
	Gen. Education	2	Readings in Philippine History/Peace Education	3	None
	Math Prep	3	Pre-calculus for Non-STEM (Algebra & Trigo)	3	None
	PATHFIT	1	Movement Competency Training Program	2	None
	NSTP	1	National Service Training Program/Engaged Citizenship	3	None
				<b>23 UNITS</b>	

FIRST YEAR		SECOND SEMESTER			
Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	RS	2	Christology	3	RS 1
	Programming	2	Computer Programming 2	3	Programming 1
	DISCRETE	1	Discrete Structure 1	3	None
	Gen. Education	4	The Contemporary World	3	None
	Gen. Education	3	Mathematics in the Modern World	3	None
	PATHFIT	2	Exercise – based Fitness Activities	2	PATHFIT 1
	NSTP	2	National Service Training Program	3	NSTP 1
				<b>20 UNITS</b>	

SECOND YEAR		FIRST SEMESTER			
Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	RS	3	Church and Sacraments	3	RS 2
	DATASTRUCT	1	Data Structures and Algorithms	3	Programming 2
	DISCRETE	2	Discrete Structure 2	3	DISCRETE 1
	DIGITAL	1	Digital Logic Design	3	DISCRETE 1
	Gen. Education	5	Purposive Communication	3	None
	GEEL	1	Living in the IT Era	3	None
	PATHFIT	3	Menu of Dance (Choice of Dance, Sports, Group Exercise etc.)	2	PATHFIT 2
				<b>20 UNITS</b>	

SECOND YEAR		SECOND SEMESTER			
Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	RS	4	Christian Morality	3	RS 3
	APPSDEV	1	Applications Development and Emerging Technologies	3	Programming 2, OOP 1
	IM	1	Information Management	3	Programming 2, OOP 1
	OOP	1	Object Oriented Programming	3	Programming 2
	COMP-ORG	1	Computer Organization and Architecture	3	Computing 1, DATASTRUCT 1
	ALGO	1	Analysis and Design of Algorithm	3	DISCRETE 2
	GEEL	2	Reading Visual Arts	3	None
	PATHFIT	4	Sports (Volleyball, Table Tennis)	2	PATHFIT 3
				<b>23 UNITS</b>	

THIRD YEAR		FIRST SEMESTER			
Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	SOFTENG	1	Software Engineering 1	3	APPSDEV 1, OOP 1, IM 1
	NET	1	Data Communication and Networking	3	DATASTRUCT 1, COMP-ORG 1
	WEBTECH	1	Web Technologies	3	OOP 1, APPSDEV 1

	AUTOMATA	1	Automata Theory and Formal Languages	3	DISCRETE 2
	OS	1	Operating Systems	3	DISCRETE 2, COMP-ORG 1
	CS ELECT	1	CS Professional Elective 1	3	3rd Year Standing
	Gen. Education	6	Art Appreciation/Peace Education	3	None
				<b>21 UNITS</b>	

<b>THIRD YEAR</b>	<b>SECOND SEMESTER</b>
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Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	SOFTENG	2	Software Engineering 2	3	SOFTENG 1
	HCI	1	Human Computer Interaction/Gender Equality	1	APPSDEV 1, COMP-ORG 1
	AIML	1	Artificial Intelligence and Machine Learning	3	DATASTRUCT 1, ALGO 1
	SP	1	Social Issues and Professional Practice	3	IM 1, APPSDEV 1
	CSRES	1	CS Research Methods	3	IM 1, ALGO 1, SOFTENG 1
	PL	1	Programming Languages	3	ALGO 1
	CS ELECT	2	CS Professional Elective 2	3	3rd Year Standing
	GEEL	3	Gender and Society	3	None
				<b>22 UNITS</b>	

<b>THIRD YEAR</b>	<b>SUMMER TERM</b>
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Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	PRAC	1	Practicum	3	3rd Year Standing
				<b>3 UNITS</b>	

<b>FOURTH YEAR</b>	<b>FIRST SEMESTER</b>
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Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	THESIS	1	CS Thesis Writing 1	3	SOFTENG 2, CSRES 1
	MOBDEV	1	Mobile App Development	3	OOP 1, APPSDEV 1
	CYBER	1	Cybersecurity and Cryptography	3	OS 1, IM 1
	SEMTOUR	1	Seminars and Tours	3	4th Year Standing
	CS ELECT	3	CS Professional Elective 3	3	4th Year Standing
	Gen. Education	7	Ethics/Youth Empowerment	3	None
				<b>18 UNITS</b>	

<b>FOURTH YEAR</b>	<b>SECOND SEMESTER</b>
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Grade	Subject Code		Descriptive Title	Units	Co/Pre – Requisite/s
	THESIS	2	CS Thesis Writing 2	3	THESIS 1
	IAS	1	Information Assurance and Security	2	IM 1
	Gen. Education	8	Science, Technology and Society/Ecological Integrity	3	None
	RIZAL	8	The Life and Works of Rizal	3	None
				<b>11 UNITS</b>	

<b>CS Elective Courses</b>
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Intelligent Systems	System Fundamentals
Graphics and Visual Computing	

Curriculum Description	No. of Units
<i>General Education</i>	36
<i>Common Courses</i>	18
<i>Professional Courses</i>	69
<i>Professional Electives</i>	9
<i>Additional Math Requirement</i>	3
<i>PATHFIT and NSTP</i>	14
<i>Religious Studies</i>	12
<b>Total</b>	<b>161 UNITS</b>