



# JOSE MARIA COLLEGE

Philippine-Japan Friendship Highway, Sasa, Davao City  
Telefax no. (082) 2347272 Email – info@jmc.edu.ph



## COLLEGE OF INFORMATION TECHNOLOGY EDUCATION BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Effective AY - 2020-2021 CMO # 25 Series 2015

FIRST YEAR											
CODE	PREREQUISITE	Description	LEC	LAB	Total Units	CODE	PREREQUISITE	Description	LEC	LAB	Total Units
FIRST SEMESTER						SECOND SEMESTER					
GE 4	none	Reading in Philippine History	3	-	3	GE 1	None	Understanding the Self	3	-	3
GE 5	none	The Contemporary World	3	-	3	GE 2	None	Mathematics in the Modern World	3	-	3
GE 11	none	Entrepreneurial Mind	3	-	3	GE 3	None	Purposive Communication	3	-	3
GE9	none	Life and works of Rizal	3	-	3	CC 103	CC 102	Computer Programming 2	2	1	3
GE10	none	Environmental Science	3	-	3	HCI 101	CC 101	Introduction to Human Computer Interaction	3	0	3
CC101	none	Introduction to Computing	3	-	3	MS 101A		Discrete Mathematics 1	3	0	3
CC102	none	Computer Programming 1	3	1	3	WEBDEV	None	Web Development	2	1	3
PE 1	none	Physical Education 1	2	-	3	PE 2	PE 1	Physical Education 2	2	-	3
NSTP 1	none	National Service Training Program 1	2	-	3	NSTP 2	NSTP 1	National Service Training Program 2	3	-	3
SF 1	none	Student Formation 1	-	1	3	SF 2	SF 1	Student Formation 2	-	1	1
			25	2	27				23	4	27

SUMMER											
CODE	PREREQUISITE	DESCRIPTION	LEC	LAB	Units						
GE 12	none	Great Books	3	-	3						
GE 7	none	Science and Technology and Society	3	-	3						
			6	-	6						

SECOND YEAR											
CODE	PREREQUISITE	Description	LEC	LAB	Total Un	CODE	PREREQUISITE	Description	LEC	LAB	Total Units
FIRST SEMESTER						SECOND SEMESTER					
GE 6	none	Art Appreciation	3	-	3	CC 105	CC 104 & PF 101	Information Management	2	1	3
GE 8	none	Ethics	3	-	3	MS 102	MS 101B	Quantitative Methods (Incl. Modeling & Simulation)	3	-	3
MS 101 B	MS 101 A	Discrete Mathematics 2	3	-	3	NET 101	PT 101	Net Working 1	2	1	3
PF 101	CC 103	Object Oriented Programming	2	1	3	IPT 101	PF 101 & PT 101	Integrative Programming & Technologies	2	1	3
CC 104	CC 103	Data Structures and Algorithms	2	1	3	OS 101	CC 104 & PF 101	Operating Systems	3	-	3
PT 101	CC 103	Platform Technologies	2	1	3	IT Elect	2nd year standing	IT Elective 2	2	1	3
IT Elect 1	2nd year standing	IT Elective 1	2	1	3	PE 4	PE 3	Physical Education 4	2	-	2
PE 3	PE 2	Physical Education 3	2	-	2	SF 4	SF 3	Student Formation 4	-	1	1
SF 3	SF 2	Student Formation 3	-	1	1				16	5	
			19	5	24						

THIRD YEAR											
CODE	PREREQUISITE	Description	LEC	LAB	Total Units	CODE	PREREQUISITE	Description	LEC	LAB	Total Units
FIRST SEMESTER						SECOND SEMESTER					
IM 101	CC 105	Advance Database System	2	1	3	IAS 102	IAS 101	Information Assurance and Security 2	2	1	3
NET 102	NET 101	Networking 2	2	1	3	SP 101	3rd year Standing	Social Issues and Professional Practice	3	-	3
SIA 101	NET 101	System Integration and Architecture	2	1	3	CC 106	IM 101	Application Development and Emerging Technologies	2	1	3
EDP 101	CC 104	Event - Driven Programming	2	1	3	MAP 102	MAP 101	Mobile Application Development 2	2	1	3
IAS 101	CC 105	Information Assurance and Security 1	2	1	3	IT Elect 3	3rd year Standing	IT Elective 3	2	1	3
MAP 101	CC 104 & PF 101	Mobile Application Development 1	2	1	3	Techpro	3rd year Standing	Technopreneurship	2	1	3
SAD 101	CC 105	System Analysis and Design	3	-	3	PM 101	SAD 101	IT project Management	3	-	3
IT Elect 3	3rd year standing	IT Elective 3	2	1	3	SF 6	SF 5	Student Formation 6	-	1	1
SF 5	SF 4	Student Formation 5	-	1	1				16	6	
			17	8	25						22

SUMMER											
CODE	PRE-REQUISITE	DESCRIPTION	LEC	LAB	Units						
CAP 101	4th year Standing	Capstone Project and Research 1	2	1	3						
			2	1	3						
					9						

FOURTH YEAR											
CODE	PREREQUISITE	Description	LEC	LAB	Total Units	CODE	PREREQUISITE	Description	LEC	LAB	Total Units
FIRST SEMESTER						SECOND SEMESTER					
SA 101	IAS 102	Systems Administration and Maintenance	2	1	3	PRAC 101	4th year standing	Practicum (486 hours)	-	6	6
CAP 102	CAP 101	Capstone Project and Research 2	2	1	3	SF 8					6
SWT 101	4th year standing	ICT Seminar & Workshop	2	1	3						
			6	3	9						

**ELECTIVE:**

Computer Hardware and Software Troubleshooting	Game Application and Development	Digital Audio and Video Production	<b>SUMMARY OF UNITS</b> General Education: 36 units Mandated Courses: 14 units IT Core Computing Courses: 18 units IT Professional Courses: 48 units IT Professional Electives: 24 units Additional IT Domains: 36 units School Requirement: 6 units Total: 182 units
Advanced Network Security Systems	Web Systems and Technology 1	Integrative Programming Technologies 2	
Accounting Fundamentals	Web Systems and Technology 2	Data Warehousing	
Data Science	Business Intelligence	Visual Graphics and Animation	
Web Development	Human Computer Interaction 2	3D Modeling and Digital Animation	
		Cloud Computing	

AARON JESS W. VERGARA, MIT DEAN, College of IT Education  
 JOSEFINA D. ORTEGA, MAED Vice President for Academic Affairs  
 JOSE MARCELO GONZALES, PhD, DBE President

REGIONAL OFFICE OF DAVAO CITY  
 CONTAINED:  
 RODRIGO S. PANANTHON JR.  
 EDUCATION SUPERVISOR II  
 2/4/2020  
 DATE