

**BACHELOR OF SCIENCE IN ENTERTAINMENT AND MULTIMEDIA COMPUTING (Game Development)**
*(Curriculum based on CMO No. 25 s.2015, applicable to freshmen beginning school year 2020-2021)*

FIRST YEAR											
1st Semester					2nd Semester						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
CS100P	INTRODUCTION TO COMPUTER SYSTEMS (PAIRED)	2	1	3	-	EMC100P	FREEHAND AND DIGITAL DRAWING (PAIRED)	3	0	3	-
IT101-1P	COMPUTER PROGRAMMING CONCEPTS 1 (PAIRED)	2	1	3	-	IT101-2P	COMPUTER PROGRAMMING CONCEPTS 2 (PAIRED)	2	1	3	IT101-1P
MATH021	COLLEGE MATHEMATICS	3	0	3	-	CS152	HUMAN COMPUTER INTERACTION	3	0	3	-
ENG023	RECEPTIVE COMMUNICATION SKILLS	3	0	3	-	MATH035	MATHEMATICS IN THE MODERN WORLD	3	0	3	-
HUM034	ART APPRECIATION	3	0	3	-	ENG024	WRITING FOR ACADEMIC STUDIES	3	0	3	-
SS021	UNDERSTANDING THE SELF	3	0	3	-	SS023	THE CONTEMPORARY WORLD	3	0	3	-
SS022	READINGS IN PHILIPPINE HISTORY	3	0	3	-	PE021	MOVEMENT ENHANCEMENT	(2)	0	(2)	-
VE021	LIFE COACHING SERIES 1	(1)	0	(1)	-	VE022	LIFE COACHING SERIES 2	(1)	0	(1)	VE021
<b>Total</b>				<b>21</b>		<b>Total</b>				<b>18</b>	

SECOND YEAR											
1st Term					2nd Term						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
CS106P	DATA STRUCTURES AND ALGORITHMS (PAIRED)	2	1	3	IT101-2P	CS107P	INFORMATION MANAGEMENT (PAIRED)	2	1	3	CS106P
IT102P	OBJECT ORIENTED PROGRAMMING (PAIRED)	2	1	3	IT101-2P	IT103P	WEB PROGRAMMING (PAIRED)	2	1	3	IT102P
EMC110P	INTRODUCTION TO GAME DESIGN AND DEVELOPMENT (PAIRED)	3	0	3	IT101-2P	EMC112P	PRINCIPLES OF 2D ANIMATION (PAIRED)	2	1	3	EMC100P
EMC111P	COMPUTER GRAPHICS PROGRAMMING (PAIRED)	2	1	3	IT101-2P	EMC113P	AUDIO DESIGN AND SOUND ENGINEERING (PAIRED)	2	1	3	EMC110P
HUM021	LOGIC AND CRITICAL THINKING	3	0	3	-	EMC131P	GAME PROGRAMMING 1 (PAIRED)	2	1	3	EMC111P, IT102P
ENG041	PURPOSIVE COMMUNICATION	3	0	3	-	HUM039	ETHICS	3	0	3	-
GEELEC01	GE ELECTIVE 1	3	0	3	-	GEELEC02	GE ELECTIVE 2	3	0	3	-
PE022	FITNESS EXERCISE	(2)	0	(2)	PE021	PE023	PHYSICAL ACTIVITY TOWARDS HEALTH AND FITNESS 1	(2)	0	(2)	PE022
VE023	LIFE COACHING SERIES 3	(1)	0	(1)	VE022	NSTP011P	NATIONAL SERVICE TRAINING PROGRAM 2 (PAIRED)	(3)	0	(3)	NSTP010
NSTP010	NATIONAL SERVICE TRAINING PROGRAM 1	(3)	0	(3)	-	<b>Total</b>				<b>21</b>	
<b>Total</b>				<b>21</b>							

THIRD YEAR											
1st Term					2nd Term						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
IT104P	APPLICATION DEVELOPMENT AND EMERGING TECHNOLOGIES (PAIRED)	2	1	3	IT102P	EMC133P	APPLIED MATHEMATICS FOR GAMES (PAIRED)	2	1	3	-
EMC114P	SCRIPTWRITING AND STORYBOARD DESIGN (PAIRED)	2	1	3	-	EMC134P	APPLIED GAME PHYSICS (PAIRED)	2	1	3	-
EMC115P	PRINCIPLES OF 3D ANIMATION (PAIRED)	2	1	3	EMC112P	EMC135P	GAME PROGRAMMING 3 (PAIRED)	2	1	3	EMC132P
EMC116P	DESIGN AND PRODUCTION PROCESS (PAIRED)	2	1	3	EMC110P	EMC136P	ARTIFICIAL INTELLIGENCE IN GAMES (PAIRED)	2	1	3	CS106P
EMC132P	GAME PROGRAMMING 2 (PAIRED)	2	1	3	EMC131P	EMCELEC02	PROFESSIONAL ELECTIVE 2	3	0	3	-
EMCELEC01	PROFESSIONAL ELECTIVE 1	3	0	3	-	SS036	SCIENCE, TECHNOLOGY, AND SOCIETY	3	0	3	-
SS085	PHILIPPINE INDIGENOUS COMMUNITIES	3	0	3	-	RES200	METHODS OF RESEARCH	3	0	3	ENG024
PE024	PHYSICAL ACTIVITY TOWARDS HEALTH AND FITNESS 2	(2)	0	(2)	PE023	<b>Total</b>				<b>21</b>	
<b>Total</b>				<b>21</b>							

FOURTH YEAR											
1st Term					2nd Term						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
EMC200D-1	CAPSTONE PROJECT 1	3	0	3	RES200	EMC200D-2	CAPSTONE PROJECT 2	3	0	3	EMC200D-1
EMCELEC03	PROFESSIONAL ELECTIVE 3	3	0	3	-	EMC199R	PRACTICUM	9	0	9	-
EMC137P	ADVANCED GAME DESIGN (PAIRED)	2	1	3	EMC110P	<b>Total</b>				<b>12</b>	
EMC138P	GAME NETWORKING (PAIRED)	2	1	3	EMC131P						
EMC139P	GAME PRODUCTION (PAIRED)	2	1	3	EMC135P						
SS038	THE LIFE AND WORKS OF JOSE RIZAL	3	0	3	-						
<b>Total</b>				<b>18</b>							

Note: Elective courses offering per term will depend on the availability of instructor and compliance of prerequisite courses for specific elective course.

Code	ELECTIVE TITLES (9 units)	Lec	Lab
IS132-1P	IS Project Management 1 (Paired)	2	1
CS140-1P	Software Engineering 1 (Paired)	2	1
*	Mobile Game Development	2	1
*	Interactive Media	2	1
*	Business of Games and Entrepreneurship	3	0
*	Advanced 3D Modelling and Scripting	2	1
*	Game Design: Art Production	2	1
*	Console Game Development	2	1
*	Virtual Reality	2	1

Code	GE ELECTIVE TITLES (6 units)	Lec	Lab
ENV075	Environmental Science	3	0
ENV076	People and the Earth's Ecosystem	3	0
ENT078	The Entrepreneurial Mind	3	0
HUM080	Philippine Popular Culture	3	0
HUM081	Indigenous Creative Crafts	3	0
HUM082	Reading Visual Art	3	0
HUM083	Great Books	3	0
SS084	Religions, Religious Experiences and Spiritual	3	0
SS086	Gender and Society	3	0