



University of San Jose-Recoletos  
Magallanes St., Cebu City 6000 Philippines



BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)  
(Effective A.Y. 2018-2019)

CURRICULUM PLOTTING

(Reviewed and verified on Dec. 6, 2017)

Classification/Field/Course	CHED			Classification/Field/Course	USJ-R				
	Lecture Hours	Lab Hours	Total Units		Course No.	Lecture Hours	Lab Hours	Total Units	Pre-Requisites
I. GENERAL EDUCATION (GE) COURSES									
CORE COURSES:				CORE COURSES:					
Understanding the Self	3		3	Understanding the Self	✓ GE UTS	✓ 3		✓ 3	
Readings in Philippine History	3		3	Readings in Philippine History	✓ GE RPH	✓ 3		✓ 3	
The Contemporary World	3		3	The Contemporary World	✓ GE TCW	✓ 3		✓ 3	
Mathematics in the Modern World	3		3	Mathematics in the Modern World	✓ GE MMW	✓ 3		✓ 3	
Purposive Communication	3		3	Purposive Communication	✓ GE PC	✓ 3		✓ 3	✓ EP 1
Art Appreciation	3		3	Art Appreciation	✓ GE AA	✓ 3		✓ 3	
Science, Technology and Society	3		3	Science, Technology and Society	✓ GE STS	✓ 3		✓ 3	
Ethics	3		3	Ethics	✓ GE ET	✓ 3		✓ 3	
				Computing Math Prep	✓ CMP	✓ 3		✓ 3	
GE ELECTIVES:				GE ELECTIVES:					
Mathematics, Science & Technology	3		3	Digital Visual Arts	✓ DVA	2	✓ 1	✓ 3	EMC CORE 1
Social Science & Philosophy	3		3	Technopreneurship	✓ TECHNO	✓ 3		✓ 3	3rd yr. standing
Arts and Humanities	3		3	English Proficiency Level 1	✓ EP 1	✓		✓ 3	
MANDATED BY LAW:				MANDATED BY LAW:					
Life & Works of Dr. Jose Rizal	3		3	Life, Works and Writings of Dr. Jose Rizal	✓ RIZAL	✓ 3		✓ 3	
Sub-Total				Sub-Total =					
42				42					
36				39					
MAJOR COURSES									
CORE COMPUTING COURSES:				CORE COMPUTING COURSES:					
Introduction to Computing			3	Introduction to Computing	✓ COMP1	✓ 3		✓ 3	
Computer Programming 1			3	Computer Programming 1	✓ PROG1	✓ 2	✓ 1	✓ 3	
Computer Programming 2			3	Computer Programming 2	✓ PROG2	✓ 2	✓ 1	✓ 3	✓ PROG 1
Data Structures and Algorithms			3	Data Structures and Algorithms	✓ DATASTRUCT	✓ 2	✓ 1	✓ 3	✓ PROG 2
Information Management			3	Information Management 1	✓ IM 1	✓ 2	✓ 1	✓ 3	✓ DATASTRUCT 1
Applications Development and Emerging Technologies			3	Applications Development and Emerging Technologies	✓ APPSDEV 1	✓ 2	✓ 1	✓ 3	✓ OOP 1
Sub-Total				Sub-Total					
18				15					
EMC CORE COURSES:				EMC CORE COURSES:					
Freehand and Digital Drawing			3	Freehand and Digital Drawing	✓ EMC CORE 1	✓ 2	✓ 1	✓ 3	
Introduction to Game Design and Development			3	Introduction to Game Design and Development	✓ EMC CORE 2	✓ 2	✓ 1	✓ 3	✓ EMC CORE 1
Principles of 2D Animation			3	Introduction to 2D Animation	✓ EMC CORE 3	✓ 2	✓ 1	✓ 3	✓ EMC CORE 2
Principles of 3D Animation			3	Principles of 3D Animation	✓ EMC CORE 4	✓ 2	✓ 1	✓ 3	✓ EMC CORE 2
Computer Graphics Programming			3	Computer Graphics Programming	✓ EMC CORE 5	✓ 2	✓ 1	✓ 3	✓ DATASTRUCT 1
Usability, HCI, and User Interaction Design			3	Human Computer Interaction	✓ EMC CORE 6	✓ 2	✓ 1	✓ 3	✓ PROG 2
Audio Design and Sound Engineering			3	Digital Sound	✓ EMC CORE 7	✓ 2	✓ 1	✓ 3	✓ EMC CORE 2
Script Writing and Storyboard Design			3	Script Writing and Storyboard Design	✓ EMC CORE 8	✓ 2	✓ 1	✓ 3	✓ EMC CORE 2
Design and Production Process			3	Game Design and Production	✓ EMC CORE 9	✓ 2	✓ 1	✓ 3	✓ EMC CORE 8

Process

			✓ Process <i>Discrete Structures</i>	✓ DISCRETE 1	✓ 3		✓ 3	✓ CE MMW
			✓ Digital Logic Design	✓ DIGITAL	✓ 3		✓ 3	
			✓ Object Oriented Programming	✓ OOP	✓ 2	✓ 1	✓ 3	DATASTRUCT 1
			✓ Data Communications and Networking 1	NET 1	✓ 3		✓ 3	DIGITAL
			✓ Operating Systems	OS	✓ 2	✓ 1	✓ 3	DATASTRUCT 1
			✓ Software Engineering	✓ SOFTENG	2	1	✓ 3	
			✓ Methods of Research in Computing	RESEARCH- 1	✓ 2	✓ 1	✓ 3	
			✓ Certification Exam Review	ITREVIEW	✓ 0		✓ 3	4th yr. standing
			✓ Seminars and Tours	SEMTOUR	0		✓ 3	
			✓ Social Issues and Professional Practice	SP			✓ 3	4th year standing
	Sub-Total		27	Sub-Total			57	51

IV.

PROFESSIONAL ELECTIVE COURSES								
SPECIALIZATION TRACK			SPECIALIZATION TRACK					
Applied Mathematics for Games		3	✓ Applied Mathematics for Games	✓ EMC SP 1	✓ 2	✓ 1	✓ 3	✓ CMP
Applied Game Physics		3	✓ Applied Game Physics	✓ EMC SP 2	✓ 2	✓ 1	✓ 3	
Game Programming I		3	✓ 2D Game Programming	✓ EMC SP 3	✓ 2	✓ 1	✓ 3	✓ EMC CORE 3
Artificial Intelligence in Games		3	✓ Artificial Intelligence in Games	✓ EMC SP 4	✓ 2	✓ 1	✓ 3	
Game Programming II		3	✓ 3D Game Programming	✓ EMC SP 5	✓ 2	✓ 1	✓ 3	✓ EMC CORE 4
Game Programming III		3	✓ Advanced Game Programming (Game Engine)	✓ EMC SP 6	✓ 2	✓ 1	✓ 3	✓ EMC CORE 9
Game Networking		3	✓ Game Networking	✓ EMC SP 7	✓ 2	✓ 1	✓ 3	✓ NET 1
Advanced Game Design		3	✓ Advanced Game Design	✓ EMC SP 8	✓ 2	✓ 1	✓ 3	✓ EMC CORE 9
Game Production		3	✓ Game Production	✓ EMC SP 9	✓ 2	✓ 1	✓ 3	✓ EMC SP 8
	Sub-Total		27	Sub-Total			27	

PROFESSIONAL ELECTIVES			PROFESSIONAL ELECTIVES (any 3 of the following): (PROF ELEC)					
			3D Modeling, UV Mapping & Texturing				3	
			Digital Imaging	✓ PROF ELEC 1	✓ 2	✓ 1	✓ 3	3rd yr. standing
			Game Art Production	✓ PROF ELEC 2	✓ 2	✓ 1	✓ 3	4th yr. standing
			Quality Assurance for Games	✓ PROF ELEC 3	✓ 2	✓ 1	✓ 3	
			Games for Virtual Reality and Augmented Reality				3	
	Sub-Total		9	Sub-Total =			9	

V.

CAPSTONE PROJECT								
Capstone Project 1		3	✓ Capstone Project 1	✓ CAPSTONE 1	✓ 2	✓ 1	✓ 3	✓ EMC SP 2, RESEARCH 1
Capstone Project 2		3	✓ Capstone Project 2	✓ CAPSTONE 2	✓ 2	✓ 1	✓ 3	✓ CAPSTONE 1
	Sub-Total		6	Sub-Total =			6	

VI.

INTERNSHIP								
Practicum		9	✓ Practicum	✓ PRAC 1	✓ 9		✓ 9	4th yr. standing
	Sub-Total		9	Sub-Total =			9	

VII.

PHYSICAL EDUCATION (PE) COURSES								
Physical Fitness	2	2	✓ Physical Education 1	✓ P.E. 1	✓ 2		✓ 2	
Rhythmic Activities	2	2	✓ Physical Education 2	✓ P.E. 2	✓ 2		✓ 2	✓ P.E 1
Individual/ Dual Sports/Games	2	2	✓ Physical Education 3	✓ P.E. 3	✓ 2		✓ 2	✓ P.E 2
Team Sports/Games	2	2	✓ Physical Education 4	✓ P.E. 4	✓ 2		✓ 2	✓ P.E 3
	Sub-Total =		8	Sub-Total =			8	

VIII.

II. NATIONAL SERVICE TRAINING PROGRAM (NSTP)								
Civic Welfare Training Service / Reserve Officers Training Corp Program/Basic Military Science (CWTS / ROTC) 1	3	3	✓ Civic Welfare Training Service (CWTS 11) 'Reserve Officers' Training Corp Program/Basic Military Science (ROTC) 11	✓ NSTP 1	✓ 3		✓ 3	
Civic Welfare Training Service /	3	3	✓ Civic Welfare Training Service	✓ NSTP 2	✓ 3		✓ 3	NSTP 1

NSTP

Reserve Officers Training Corp Program/Basic Military Science (CWTS / ROTC) 2			(CWTS 12) / Reserve Officers' Training Corp Program/Basic Military Science (ROTC) 12					
Sub-Total =			6	Sub-Total =				6
OTHER COURSES								
			✓	Initium Fidei: An Introduction to Doing Catholic Theology	✓	ReEd 1	✓ 3	✓ 3
			✓	Written That: You May Believe: An Introduction to Biblical Exegesis	✓	ReEd 2	✓ 3	✓ 3 ✓ ReEd 1
			✓	Our Restless Hearts: An Introduction to Doing Catholic Morality	✓	ReEd 3	✓ 3	✓ 3 ✓ ReEd 2
			✓	A Call to Action: An Introduction to Catholic Social Thought	✓	ReEd 4	✓ 3	✓ 3 ✓ ReEd 3
			✓	Adjustment to College Life Phase 1	✓	Guidance 1	✓ 1	✓ (1)
			✓	Adjustment to College Life Phase 2	✓	Guidance 2	✓ 1	✓ (1) ✓ Guidance 1
Sub-Total =				Sub-Total =				12
OVER-ALL TOTAL UNITS =			146	OVER-ALL TOTAL UNITS =				191

Total units = 191

SUMMARY OF UNITS

Classification	CHED	USJ-R
I. ✓ General Education (GE) Courses	✓ 36	✓ 39
II. ✓ (Common Courses } Core Computing Course	✓ 18	✓ 18
III. ✓ EMC Core Courses	✓ 27	✓ <del>51</del> 57
IV. Professional Elective Courses		
✓ Specialization Track	✓ 27	✓ 27
✓ Professional Electives	✓ 9	✓ 9
V. ✓ Capstone Project	✓ 6	✓ 6
VI. ✓ Internship	✓ 9	✓ 9
VII. ✓ Physical Education (PE) Courses	✓ 8	✓ 8
VIII. ✓ National Service Training Program (NSTP)	✓ 6	✓ 6
IX. ✓ Other Courses		✓ 12
Overall Total Units	146	191