



**ARELLANO UNIVERSITY**

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)**

Outcomes-based Curriculum

Effective SY 2018-2019

**FIRST YEAR**

**FIRST SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____ ITC 110	Introduction to Computing	2	1	3	none
_____ ITC 111	Computer Programming 1	2	1	3	none
_____ ITC 112	Intro to Graphics and Design	2	1	3	none
_____ GCAS 05	Mathematics in the Modern World	3		3	none
_____ GCAS 06	Purposive Communication	3		3	none
_____ GCAS 07	Science, Technology and Society	3		3	none
_____ GCAS 15	P.E. 1 Enhancement Movement	2		2	none
_____ GCAS 19	NSTP 1			(3)	none

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**SECOND SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____ ITC 120	Computer Programming 2	2	1	3	ITC 111
_____ ITC 121	Operating System	2	1	3	ITC 110, ITC 111 (co-req)
_____ ITC 122	Intro to Web Design	2	1	3	ITC 112
_____ IT 210	Discrete Mathematics	3		3	GCAS 05
_____ IT 211	Intro to Human Computer Interaction	3		3	none
_____ GCAS 01	Art Appreciation	3		3	none
_____ GCAS 04	Readings in Philippine History	3		3	none
_____ GCAS 16	P.E. 2 Fitness Exercises	2		2	none
_____ GCAS 20	NSTP 2			(3)	NSTP 1

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**SECOND YEAR**

**FIRST SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____ ITC 126	Information Management	3		3	2 <sup>nd</sup> year standing
_____ ITC 123	Application Development & Emerging Technologies (w/ Android)	2	1	3	ITC 122
_____ IT 212	Elective 1	2	1	3	IT 211
_____ ITC 125	Data Structures & Algorithms	2	1	3	ITC 120
_____ STAT 01C	Probability and Statistics	3		3	GCAS 05
_____ GCAS 03	Contemporary World	3		3	none
_____ GCAS 08	Understanding the Self	3		3	none
_____ GCAS 17	P.E. 3 Dance / Swimming	2		2	none

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**SECOND SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____ IT 213	Elective 2	2	1	3	ITC 120
_____ ITC 124	Fundamentals of Database Systems (w/ Dashboard)	2	1	3	ITC 126
_____ IT 214	Integrative Programming & Technologies 1	2	1	3	2 <sup>nd</sup> year standing
_____ IT 215	Quantitative Methods	3		3	STAT 01C
_____ IT 216	Network 1	2	1	3	2 <sup>nd</sup> year standing
_____ ITC M01	Applied Trigonometry in Computing	3		3	GCAS 05
_____ GCAS 18	P.E. 4 Individual/Dual/Team Sports	2		2	none

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**THIRD YEAR****FIRST SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____IT 217	System Integration & Architecture 1	2	1	3	IT 214
_____ITC 127	Advance Database System	2	1	3	ITC 124
_____IT 218	Elective 3	2	1	3	IT 214
_____IT 219	Networking 2	2	1	3	IT 216
_____ITC 130	Computer Accounting (w/ SAP)	2	1	3	STAT01C
_____GCAS 02	Ethics	3		3	none
_____GCAS 09	Rizal	3		3	none
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**SECOND SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____ITC 129	Computer Org (w/ Assembly Lang.)	2	1	3	ITC 120
_____IT 220	Software Engineering	2	1	3	3 <sup>rd</sup> year standing
_____IT 221	Elective 4	2	1	3	IT 217
_____IT 222	Information Assurance & Security 1	3		3	IT 217
_____ITC 128	Social & Professional Issues	3		3	3 <sup>rd</sup> year standing
_____GCAS 11	Panitikan Pilipino	3		3	none
_____GCAS IR	Community Development	3		3	none
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**SUMMER**

_____IT 223	Information Assurance & Security 2	3		3	IT 222
_____IT 224 (co-req)	Capstone Project & Research 1	3		3	4 <sup>th</sup> year standing, IT 220
				6	

**FOURTH YEAR****FIRST SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____IT 225	Capstone Project & Research 2	3		3	ITC 224
_____IT 226	System Administration & Maintenance	3		3	IT 221
_____IT 227	Event-Driven Programming	2	1	3	ITC 120, IT 213 (co-req)
_____LAW 1	Obligations and Contract	3		3	3 <sup>rd</sup> yr/4 <sup>th</sup> yr Standing
_____GCAS14	World Literature	3		3	none
				15	

**SECOND SEMESTER**

Course Code	Course Name	Lec	Lab	Units	Pre-requisite
_____IT 228	Practicum / On-the-Job Training (486 hrs)	6		6	4 <sup>th</sup> year standing
				6	

**ELECTIVES (12 units):**

Human Computer Interaction 2  
Object-Oriented Programming  
Integrative Programming & Technologies 2

Systems Integration & Architecture 2  
Platform Technologies  
Web Systems & Technologies