

San Beda College Alabang

College of Arts and Sciences

Bachelor of Science in Information Technology

Program Study, Effective A.Y. 2021-2022

FIRST YEAR

COURSE CODE	FIRST SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GEN-MM	Mathematics in the Modern World	3	
GEN-US	Understanding the Self	3	
ITC111R	Introduction to Computing	2	
ITC111L	Introduction to Computing Laboratory	1	
ITC112R	Computer Programming 1	2	
ITC112L	Computer Programming 1 Laboratory	1	
ITP111R	Social and Professional Issues	3	
PE1	Physical Activities towards Health and Fitness 1	2	
PEP1	Personality Enrichment Program	1	
NSTP1	National Service Training Program 1	3	
GENE-RES	Religious Experiences and Spirituality (Benedictine Spirituality)	3	

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COURSE CODE	SECOND SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GEN-CW	The Contemporary World	3	
GEN-PC	Purposive Communication	3	
ITC123R	Computer Programming 2	2	ITC112R
ITC123L	Computer Programming 2 Laboratory	1	ITC112L
ITC124R	Data Structures and Algorithm	2	ITC112R
ITC124L	Data Structures and Algorithm Laboratory	1	ITC112L
ITP122R	Platform Technologies 1 (Computer Organization)	2	ITC111R
ITP122L	Platform Technologies 1 Laboratory (Computer Organization)	1	ITC111L
PE2	Physical Activities towards Health and Fitness 2	2	PE1
PEP2	Human Relations Development	1	
NSTP2	National Service Training Program 2	3	NSTP1
THEO1-NTC	Jesus in the New Testament and Contemporary Times	3	

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SECOND YEAR

COURSE CODE	FIRST SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GENE-ENC	Environmental Science	3	
ITC215R	Database Management System 1	2	ITC123R
ITC215L	Database Management System 1 Laboratory	1	ITC123L
ITP213R	Discrete Structures	2	ITC124R
ITP213L	Discrete Structures Laboratory	1	ITC124L
ITP214R	Object Oriented Programming	2	ITC123R
ITP214L	Object Oriented Programming Laboratory	1	ITC123L
ITP215R	Platform Technologies 2 (Operating System and Application)	2	ITP122R
ITP215L	Platform Technologies 2 Laboratory (Operating System and Application)	1	ITP122L
ITP216R	Human Computer Interaction 1	2	ITC123R
ITP216L	Human Computer Interaction 1 Laboratory	1	ITC123L
PE3	Physical Activities towards Health and Fitness 3	2	PE1, PE2
THEO2-CSM	The Church, Sacraments, and its Mission	3	THEO1-NTC

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COURSE CODE	SECOND SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GENE-TEM	The Entrepreneurial Mind	3	
ITA211R	Human Computer Interaction 2	2	ITP124R
ITA211L	Human Computer Interaction 2 Laboratory	1	ITP124L
ITC226R	Application Dev. and Emerging Technologies	2	ITP214R
ITC226L	Application Dev. and Emerging Technologies Laboratory	1	ITP214L
ITP227R	Database Management System 2	2	ITP214R
ITP227L	Database Management System 2 Laboratory	1	ITP214L
ITP228R	Network Management 1	2	ITP215R
ITP228L	Network Management 1 Laboratory	1	ITP215L
ITP229R	Web System and Technology 1	2	ITP214R
ITP229L	Web System and Technology 1 Laboratory	1	ITP214L
PE4	Physical Activities towards Health and Fitness 4	2	PE1, PE2
GEN-ET	Ethics (Being and Society)	3	

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THIRD YEAR

COURSE CODE	FIRST SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GEN-RP	Readings in Philippine History	3	
ITA312R	Platform Technologies 3 (Cloud Computing)	2	ITP215R
ITA312L	Platform Technologies 3 Laboratory (Cloud Computing)	1	ITP215L
ITA313R	Methods of Research in Computing	3	3RD YEAR
ITE311R	IT Elective 1 (Web System and Technology 2)	2	ITP228R
ITE311L	IT Elective 1 Laboratory (Web System and Technology 2)	1	ITP228L
ITP3110R	Integrative and Programming Technologies 1	2	ITC226R
ITP3110L	Integrative and Programming Technologies 1 Laboratory	1	ITC226L
ITP3111R	Network Management 2	2	ITP228R
ITP3111L	Network Management 2 Laboratory	1	ITP228L
ITP3112R	System Administration and Maintenance 1	2	ITP227R
ITP3112L	System Administration and Maintenance 1 Laboratory	1	ITP227L
THEO3-FAM	Marriage and Family Life	3	THEO2-CSM

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COURSE CODE	SECOND SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GEN-AA	Art Appreciation	3	NONE
ITA324R	Integrative and Programming Technologies 2	2	ITP319R
ITA324L	Integrative and Programming Technologies 2 Laboratory	1	ITP319L
ITA325R	System Administration and Maintenance 2	2	ITP3111R
ITA325L	System Administration and Maintenance 2 Laboratory	1	ITP3111L
ITA326R	Information Resources Management	3	ITA312R
ITE322R	IT Elective 2 (Internet of Things)	2	ITE311R
ITE322L	IT Elective 2 Laboratory (Internet of Things)	1	ITE311L
ITP3213R	System Integration and Architecture 1	2	ITE311R
ITP3213L	System Integration and Architecture 1 Laboratory	1	ITE311L
ITP3214R	Information Assurance and Security 1	2	ITP3111R
ITP3214L	Information Assurance and Security 1 Laboratory	1	ITP3111L
ITP3215R	Capstone Project and Research 1	2	ITA313R
ITP3215L	Capstone Project and Research 1 Laboratory	1	ITA313R

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FOURTH YEAR

COURSE CODE	FIRST SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GEN-SS	Science, Technology and Society	3	
ITE413R	IT Elective 3 (System Integration and Architecture 2)	2	ITE322R
ITE413L	IT Elective 3 Laboratory (System Integration and Architecture 2)	1	ITE322L
ITP4116R	Capstone Project and Research 2	2	ITP3215R
ITP4116L	Capstone Project and Research 2 Laboratory	1	ITP3215L
ITP4117R	Information Assurance and Security 2	2	ITP3214R
ITP4117L	Information Assurance and Security 2 Laboratory	1	ITP3214L
THEO4-CST	Social Teachings of the Church and Benedictine Lay Apostolate	3	THEO3-FAM

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COURSE CODE	SECOND SEMESTER	UNITS	PRE-REQ
	COURSE TITLE		
GEN-JR	The Life and Works of Rizal	3	NONE
ITE424R	IT Elective 4 (Special Topics in IT)	2	ITE413R
ITE424L	IT Elective 4 Laboratory (Special Topics in IT)	1	ITE413L
ITP4218R	Internship (500 Hrs)	6	Last Term

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TOTAL NO. OF UNITS: 169

IT ELECTIVES: (12 units)

CODE	TITLE	UNITS
ITE311R	IT Elective 1 (Web System and Technology 2)	2
ITE311L	IT Elective 1 Laboratory (Web System and Technology 2)	1
ITE322R	IT Elective 2 (Internet of Things)	2
ITE322L	IT Elective 2 Laboratory (Internet of Things)	1

CODE	TITLE	UNITS
ITE413R	IT Elective 3 (System Integration and Architecture 2)	2
ITE413L	IT Elective 3 Laboratory (System Integration and Architect	1
ITE424R	IT Elective 4 (Special Topics in IT)	2
ITE424L	IT Elective 4 Laboratory (Special Topics in IT)	1

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2021 Curriculum

SUMMARY OF UNITS

INFORMATION TECHNOLOGY CORE COURSES

CODE	TITLE	UNITS
ITC111R	Introduction to Computing	2
ITC111L	Introduction to Computing Laboratory	1
ITC112R	Computer Programming 1	2
ITC112L	Computer Programming 1 Laboratory	1
ITC123R	Computer Programming 2	2
ITC123L	Computer Programming 2 Laboratory	1
ITC124R	Data Structures and Algorithm	2
ITC124L	Data Structures and Algorithm Laboratory	1
ITC215R	Database Management System 1	2
ITC215L	Database Management System 1 Laboratory	1
ITC226R	Application Dev. and Emerging Technologies	2
ITC226L	Application Dev. and Emerging Technologies Laboratory	1
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INFORMATION TECHNOLOGY PROFESSIONAL COURSES

CODE	TITLE	UNITS
ITP111R	Social and Professional Issues	3
ITP122R	Platform Technologies 1 (Computer Organization)	2
ITP122L	Platform Technologies 1 Laboratory (Computer Organization)	1
ITP213R	Discrete Structures	2
ITP213L	Discrete Structures Laboratory	1
ITP214R	Object Oriented Programming	2
ITP214L	Object Oriented Programming Laboratory	1
ITP215R	Platform Technologies 2 (Operating System and Application)	2
ITP215L	Platform Technologies 2 Laboratory (Operating System and Application)	1
ITP216R	Human Computer Interaction 1	2
ITP216L	Human Computer Interaction 1 Laboratory	1
ITP227R	Database Management System 2	2
ITP227L	Database Management System 2 Laboratory	1
ITP228R	Network Management 1	2
ITP228L	Network Management 1 Laboratory	1
ITP229R	Web System and Technology 1	2
ITP229L	Web System and Technology 1 Laboratory	1
ITP3110R	Integrative and Programming Technologies 1	2
ITP3110L	Integrative and Programming Technologies 1 Laboratory	1
ITP3111R	Network Management 2	2
ITP3111L	Network Management 2 Laboratory	1
ITP3112R	System Administration and Maintenance 1	2
ITP3112L	System Administration and Maintenance 1 Laboratory	1
ITP3213R	System Integration and Architecture 1	2
ITP3213L	System Integration and Architecture 1 Laboratory	1
ITP3214R	Information Assurance and Security 1	2
ITP3214L	Information Assurance and Security 1 Laboratory	1
ITP3215R	Capstone Project and Research 1	2
ITP3215L	Capstone Project and Research 1 Laboratory	1
ITP4116R	Capstone Project and Research 2	2
ITP4116L	Capstone Project and Research 2 Laboratory	1
ITP4117R	Information Assurance and Security 2	2
ITP4117L	Information Assurance and Security 2 Laboratory	1
ITP4218R	Internship (500 Hrs)	6
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INFORMATION TECHNOLOGY ELECTIVES

CODE	TITLE	UNITS
ITE311R	IT Elective 1 (Web System and Technology 2)	2
ITE311L	IT Elective 1 Laboratory (Web System and Technology 2)	1
ITE322R	IT Elective 2 (Internet of Things)	2
ITE322L	IT Elective 2 Laboratory (Internet of Things)	1
ITE413R	IT Elective 3 (System Integration and Architecture 2)	2
ITE413L	IT Elective 3 Laboratory (System Integration and Architecture 2)	1
ITE424R	IT Elective 4 (Special Topics in IT)	2
ITE424L	IT Elective 4 Laboratory (Special Topics in IT)	1
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ADDITIONAL INFORMATION TECHNOLOGY PROFESSIONAL COURSES

CODE	TITLE	UNITS
ITA211R	Human Computer Interaction 2	2
ITA211L	Human Computer Interaction 2 Laboratory	1
ITA312R	Platform Technologies 3 (Cloud Computing)	2
ITA312L	Platform Technologies 3 Laboratory (Cloud Computing)	1
ITA313R	Methods of Research in Computing	3
ITA324R	Integrative and Programming Technologies 2	2
ITA324L	Integrative and Programming Technologies 2 Laboratory	1
ITA325R	System Administration and Maintenance 2	2
ITA325L	System Administration and Maintenance 2 Laboratory	1
ITA326R	Information Resources Management	3
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GENERAL EDUCATION

CODE	TITLE	UNITS
GEN-AA	Art Appreciation	3
GEN-ET	Ethics (Being and Society)	3
GEN-MM	Mathematics in the Modern World	3
GEN-PC	Purposive Communication	3
GEN-RP	Readings in Philippine History	3
GEN-SS	Science, Technology and Society	3
GEN-CW	The Contemporary World	3
GEN-JR	The Life and Works of Rizal	3
GEN-US	Understanding the Self	3
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GENERAL EDUCATION ELECTIVES

CODE	TITLE	UNITS
GENE-RES	Religious Experiences and Spirituality (Benedictine Spirituality)	3
GENE-ENC	Environmental Science	3
GENE-TEM	The Entrepreneurial Mind	3
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PHYSICAL EDUCATION

CODE	TITLE	UNITS
PE1	Physical Activities towards Health and Fitness 1	2
PE2	Physical Activities towards Health and Fitness 2	2
PE3	Physical Activities towards Health and Fitness 3	2
PE4	Physical Activities towards Health and Fitness 4	2
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NATIONAL SERVICE TRAINING PROGRAM

CODE	TITLE	UNITS
NSTP1	National Service Training Program 1	3
NSTP2	National Service Training Program 2	3
		6

INSTITUTIONAL SUBJECTS:

THEOLOGY

CODE	TITLE	UNITS
THEO1-NTC	Jesus in the New Testament and Contemporary Times	3
THEO2-CSM	The Church, Sacraments, and its Mission	3
THEO3-FAM	Marriage and Family Life	3
THEO4-CST	Social Teachings of the Church and Benedictine Lay Apostolate	3
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PERSONALITY ENRICHMENT PROGRAM

CODE	TITLE	UNITS
PEP1	Personality Development	1
PEP2	Human Relations Development	1
		2

CHED Min	Summary	Units
18	IT Core Courses	18
48	IT Professional Courses	57
12	IT Professional Electives	12
18	IT Additional Professional/Domain Courses	18
36	General Education	27
	General Education Electives	9
8	Physical Education	8
6	National Service Training Program	6
	Institutional Subjects	14
146		169