

Calayan Educational Foundation, Inc.  
College of Information System



**BACHELOR OF SCIENCE IN INFORMATION SYSTEM (BSIS)**  
(Effective School Year 2018 - 2019)  
As Per CMO 25 Series 2015

Student Name: \_\_\_\_\_ Entry Date: \_\_\_\_\_

**FIRST YEAR**

FIRST SEMESTER				SECOND SEMESTER			
CODE	COURSE DESCRIPTION	Pre-Req	UNITS	CODE	COURSE DESCRIPTION	Pre-Req	UNITS
___ IS101	Introduction to Computing		3	___ IS111	Computer Programming 2	IS102	3
___ IS102	Computer Programming 1		3	___ IS112	Fundamentals of Information Systems	IS101	3
___ PSY100	Understanding the Self		3	___ IS113	Financial Management		3
___ SOCSCI100	Rizal, Life Works and Writings		3	___ STS100	Science, Technology and Society		3
___ MATH101	Mathematics in the Modern World		3	___ PHILO101	Ethics		3
___ ENG101	Purposive Communication		3	___ NSTP102	Civic Welfare Training Service 2	NSTP101	(3)
___ NSTP101	Civic Welfare Training Service 1		(3)	___ PE102	Rhythmic Activities	PE101	(2)
___ PE101	Theory and Practice in Physical Fitness		(2)				15(5)
___ SocAct	Cefizen Awareness		(2)				
			18(7)				

SUMMER			
CODE	COURSE DESCRIPTION	Pre-Req	UNITS
___ IS121	Deployment, Maintenance & Service		3
___ IS122	Professional Issues in Information Systems	IS112	3
___ IS123	Prof Ethics, Theory & Practice in IS		3
			9

**SECOND YEAR**

FIRST SEMESTER				SECOND SEMESTER			
CODE	COURSE DESCRIPTION	Pre-Req	UNITS	CODE	COURSE DESCRIPTION	Pre-Req	UNITS
___ IS201	Data Structures and Algorithms	IS111	3	___ IS211	Systems Analysis and Design		3
___ IS202	IT Infrastructure and Network Technologies	IS112	3	___ IS212	IS Elective 1		3
___ IS203	Organization and Management Concepts	IS112	3	___ IS213	Database Management System	IS204	3
___ IS204	Object Oriented Programming	IS111	3	___ IS214	Human Computer Interface		3
___ socsci101	Readings in Philippine History		3	___ FIL102	Pagbasa at Pagsulat Tungo sa Pananaliksik	FIL101	3
___ FIL101	Komunikasyon sa Akademikong Filipino		3	___ socsci102	The Contemporary World		3
___ PE103	Individual Sports	PE101	(2)	___ PE104	Team Sports	PE101	(2)
			18(2)				18(2)

**THIRD YEAR**

FIRST SEMESTER				SECOND SEMESTER			
CODE	COURSE DESCRIPTION	Pre-Req	UNITS	CODE	COURSE DESCRIPTION	Pre-Req	UNITS
___ IS301	Information Management		3	___ IS311	IS Project Management 1	IS301	3
___ IS302	Enterprise Architecture		3	___ IS312	Evaluation of Business Performance		3
___ IS303	Business Process Management		3	___ IS313	Capstone Project 1	IS304	3
___ IS304	Quantitative Methods		3	___ IS314	IS Elective 3		3
___ IS305	IS Elective 2		3	___ IS315	IS Innovations and New Technologies		3
___ IS306	Introduction to Web Development	IS101	3	___ IS316	Advanced Web Programming	IS306	3
___ ENG102	Philippine Literature in English		3				18
			21				

**FOURTH YEAR**

FIRST SEMESTER				SECOND SEMESTER			
CODE	COURSE DESCRIPTION	Pre-Req	UNITS	CODE	COURSE DESCRIPTION	Pre-Req	UNITS
___ IS401	IS Strategy, Management and Acquisition	IS301	3	___ IS411	Practicum for Information Systems	IS313	6
___ IS402	Application Development and Emerging Technologies		3				6
___ IS403	Capstone Project 2	IS313	3				
___ IS404	IS Elective 4		3				
___ HUM101	Art Appreciation		3				
			15				