



Adventist University of the Philippines

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

(Enhanced Curriculum 2014)

Before Proper (Optional)

			Units
CSUS	111	Introduction to Computer Science	3
CSPR	113	Program Logic Formulation	3
Total Units			6

FIRST YEAR

First Semester

			Units
CSUS	111	CS Fundamentals w/ Lab.	5
CSPR	111	Computer Programming I	5
ENCA	111	Communication Arts I	3
MATH	111	College Algebra	3
RELB	111	The Gospel	3
PHED	111	Physical Education I	2
NSTP	111	NSTP I	3
MFCS	111	Majors' Forum	(1)
SCSS	111	Students' Convocation	(1)
Total Units			26

Second Semester

			Units
CSPR	122	Computer Prog. II	5
CSPR	123	Data Structure w/ Lab.	3
ENCA	122	Communication Arts II	3
MATH	112	College Trigonometry	3
FILI	111	Kom. sa Akademikong Filipino	3
RELB	122	The Destiny of Man	3
PHED	122	Physical Education II	2
NSTP	122	NSTP II	3
MFCS	112	Majors' Forum	(1)
SCSS	112	Students' Convocation	(1)
Total Units			27

SECOND YEAR

First Semester

			Units
CSPR	214	Object Oriented Prog. w/Lab.	5
CSTH	211	Discrete Structures	3
CSDI	211	Design & Analysis of Algorithms	3
FILI	122	Pagbasa at Pagsulat tungo sa Pananaliksik	3
MATH	121	Introduction to Statistics	3
HIST	111	Philippine History	3
RELB	213	Daniel and Revelation	3
PHED	213	Physical Education III	2
VOED	111	Home Skills	2

MFCS	211	Majors' Forum	(1)
SCSS	211	Students' Convocation	(1)
Total Units			29

Second Semester

			Units
CSHA	221	Digital Design	3
CSPR	225	Web Programming	5
CSDI	222	Database Systems	5
PSYC	111	General Psychology w/ Drug Prevention	3
MATH	122	Analytic Geometry	3
RELB	224	Adventist Heritage	3
PHED	224	Physical Education IV	2
MFCS	212	Majors' Forum	(1)
SCSS	212	Students' Convocation	(1)
Total Units			26

Summer

			Units
CSDE	231	Internal Internship	3
FAHU	221	Introduction to Humanities	3
BIOL	111	Biological Science	3
Total Units			9

THIRD YEAR

First Semester

			Units
CSTH	312	Automata and Language	3
CSHA	312	Computer Org. & Assembly	3
CSFO	312	Operating Systems w/ Lab.	3
ENRS	213	Reading and Speech	3
MATH	213	Differential and Integral Calculus 1	3
SOSC	212	Life and Works of Rizal	3
Free		Elective	3
MFCS	311	Majors' Forum	(1)
SCSS	311	Students' Convocation	(1)
Total Units			23

Second Semester

			Units
CSPR	325	GUI Programming w/Lab.	5
CSHA	324	Programming Languages	5
CSDE	321	Software Engineering	5
CSMA		Major Elective	3
FILI	213	Masining na Pagpapahayag	3
ENPL	211	Philippine Literature	3
SOSC	113	Politics & Government w/ Phil Constitution	3
MFCS	312	Major's Forum	(1)
SCSS	312	Students' Convocation	(1)
Total Units			29

Summer

CSDE	332	External Internship	Units	3
			Total Units	3

FOURTH YEAR

First Semester

CSDE	414	Thesis I	Units	3
CSDI	415	Network Principles and Programming		3
CSTH	413	Professional Ethics		3
CSMA		Major Elective		3
		Science Elective		3
SOSC	124	Basic Economics w/ TAR		3
Free		Elective		3
WOED	111	Work Education I		(1)
MFCS	411	Majors' Forum		(1)
SCSS	411	Students' Convocation		(1)
			Total Units	24

Second Semester

CSDE	425	Thesis II	Units	3
CSMA		Major Elective		3
CSMA		Major Elective		3
ENWL	223	World Literature		3
SOSC	215	Society and Culture		3
		Free Elective		3
VOED		Vocational Elective		2
WOED	122	Work Education II		(1)
MFCS	412	Major's Forum		(1)
SCSS	412	Students' Convocation		(1)
			Total Units	23

Summary

GENERAL EDUCATION REQUIREMENTS 74

English 9

Communication Arts 1	3
Communication Arts II	3
Reading and Speech	3

Filipino 9

Komunikasyon sa Akademikong Filipino	3
Pagbasa at Pagsulat Tungo sa Pananaliksik	3
Masining na Pagpapahayag	3

Humanities 3

Introduction to Humanities	3
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<i>Literature</i>	6
Philippine Literature	3
World Literature	3
<i>Mathematics</i>	15
College Algebra	3
College Trigonometry	3
Introduction to Statistics	3
Analytic Geometry	3
Differential and Integral Calculus I	3
<i>Natural Sciences</i>	6
Biological Science	3
Science Elective	3
<i>Social Sciences</i>	12
General Psychology	3
Basic Economics w/ Tax & Agrarian Reform	3
Politics & Governance w/ Phil Constitution	3
Society and Culture	3
<i>Mandated Courses</i>	6
Philippine History	3
Life and Works of Rizal	3
<i>Physical Education</i>	8
Physical Education I	2
Physical Education II	2
Physical Education III	2
Physical Education IV	2
<i>NSTP</i>	6
NSTP I	3
NSTP II	3
<i>Free Electives</i>	9
Free Elective I	3
Free Elective II	3
Free Elective III	3
INTERNAL REQUIREMENTS	16
<i>Bible Courses</i>	12
The Gospels	3
The Destiny of Man	3
Daniel and Revelation	3
Adventist Heritage	3
<i>Work Education</i>	(2)
Work Education I	(1)
Work Education II	(1)
<i>Vocational Courses</i>	4
Home Skills	2
Vocational Elective (Driving or Keyboarding)	2

<i>Majors' Forum</i>	(8)
MFCS 111	(1)
MFCS 112	(1)
MFCS 211	(1)
MFCS 212	(1)
MFCS 311	(1)
MFCS 312	(1)
MFCS 411	(1)
MFCS 412	(1)

<i>Students' Convocation</i>	(8)
SCSS 111	(1)
SCSS 112	(1)
SCSS 211	(1)
SCSS 212	(1)
SCSS 311	(1)
SCSS 312	(1)
SCSS 411	(1)
SCSS 412	(1)

MAJOR COURSES **86**

<i>Basic ITE Core Courses</i>	
CS Fundamentals	5
Computer Programming I	5
Computer Programming II	5
Data Structures	3
Object Oriented Programming	3
Web Programming	5
GUI Programming	3
<i>ITE Professional Courses</i>	
Discrete Structures	3
Design and Analysis of Algorithms	3
Digital Design	3
Database Systems	3
Internal Internship	3
Automata and Language Theory	3
Computer Organization and Assembly	3
Operating Systems	3
Programming Languages	3
Software Engineering	3
External Internship	3
Thesis I	3
Network Principles and Programming	3
Professional Ethics	3
Thesis II	3

<i>Major Electives (12 units only)</i>	<i>12</i>
Management Information Systems	3
Modeling and Simulation	3
Computer Graphics	3
Advanced Operating Systems	3
Mobile Computing	3
Artificial Intelligence	3
Compiler Design	3
Distributed Computing	3
OVERALL TOTAL UNITS	193
OVERALL TOTAL UNITS with LABORATORY	215