



SILLIMAN UNIVERSITY
DUMAGUETE CITY
School/College:
Program Name:
Curriculum Year:

College of Computer Studies
Bachelor of Science in Computer Science (BSCS)
2018-2019

FIRST YEAR

First Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CCS 1	Introduction to Computing	2	3	3	
CCS 2	Fundamentals of Programming	2	3	3	
CHS 1	Reading & Interpreting the Hebrew Scriptures	3	0	3	
GE 4	Mathematics in the Modern World	3	0	3	
GE 6	Art Appreciation	3	0	3	
GE 10A	Whole Person Education	3	0	3	
PathFit 1	Movement Competency Training	2	0	2	
NSTP 1	National Service Training Program	3	0	3	
PEP 1	Personal Enhancement Program	0	0	0	
TOTAL UNITS:				23	

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 12	Discrete Structures 1	3	0	3	CCS 1, CCS 2
CCS 3	Intermediate Programming	2	3	3	CCS 1, CCS 2
CHS 2	Reading & Interpreting the Christian Scriptures	3	0	3	CHS 1
GE 1	Understanding the Self	3	0	3	
GE 7	Science, Technology and Society	3	0	3	
GE 11A	Introduction to Environmental Science	3	0	3	
PathFit 2	Exercise- based Fitness Activities	2	0	2	PathFit 1
NSTP 2	National Service Training Program	3	0	3	NSTP 1
PEP 2	Personal Enhancement Program	0	0	0	
TOTAL UNITS:				23	

SECOND YEAR

First Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 21	Discrete Structures 2	3	0	3	CompSci 12
CompSci 23	Object-Oriented Programming	2	3	3	CCS 3
CCS 4	Data Structures & Algorithms	2	3	3	CCS 3, CompSci 12, GE 4
CHS 3/ GE 12	Christianity & Peace-Building	3	0	3	CHS 2
GE 2	Readings in Philippine History	3	0	3	
GE 5	Purposive Communication	3	0	3	
PathFit 3	Individual, Dual, Combative Sports and Dance	2	0	2	PathFit 1
TOTAL UNITS:				20	

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 22	Algorithms & Complexity	2	3	3	CompSci 21, CCS 4
CSMath E1	CS Math Elective 1	3	0	3	GE 4
CCS 8	Human Computer Interaction	3	0	3	CompSci 23, GE 1
CCS 5	Fundamentals of Information Management	2	3	3	CCS 4
GE 3	The Contemporary World	3	0	3	
GE 8	Ethics	3	0	3	
GE 9	The Life and Works of Jose Rizal	3	0	3	
PathFit 4	Team Sports and Dance	2	0	2	PathFit 1
TOTAL UNITS:				23	

THIRD YEAR

First Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 31	Architecture & Organization	2	3	3	CompSci 21, CCS 4
CompSci 33	Automata Theory & Formal Languages	3	0	3	CompSci 22
CompSci 35	Data Mining	2	3	3	CCS 5
CompSci 37	Introduction to Artificial Intelligence	3	0	3	CompSci 22, CSMathE1
CompSci 39	Fundamentals of Data Analytics & Enterprise Data Management	2	3	3	CCS 5
CCS 6	Applications Development & Emerging Technologies	2	3	3	CCS 5, CCS 8
TOTAL UNITS:				18	

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 32	Programming Languages	3	0	3	CompSci 33
CompSci 34	Networks and Communication	2	3	3	CompSci 31
CompSci 36	Web Systems & Technologies	2	3	3	CCS 6
CompSci 38	Software Engineering 1	3	0	3	CCS 6, CompSci 35
CCS 7	Technopreneurship	3	0	3	CCS 6
CompSci E1	Professional Elective 1	2	3	3	CompSci 37, 39
TOTAL UNITS:				18	

Summer

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 40	CS Practicum (with Practicum Fee)	3	0	3	Must have finished all 1st to 3rd yr subjects
TOTAL UNITS: 280 hrs				3	

FOURTH YEAR

First Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 41	CS Thesis 1 (with RLE)	3	0	3	CompSci 40
CompSci 43	Operating System	3	0	3	CompSci 32, 34
CompSci 45	Information Assurance and Security	3	0	3	CompSci 34
CompSci 47	Software Engineering 2	2	3	3	CompSci 36, 38
CompSci E2	Professional Elective 2	2	3	3	CompSci E1
TOTAL UNITS:				15	

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 42	CS Thesis 2 (with RLE)	3	0	3	CompSci 41
CompSci 44	Social Issues & Professional Practice	3	0	3	CompSci 45, 47, CHS 3
CompSci 46	Graphics & Visual Computing	3	0	3	CompSci E2
CompSci E3	Professional Elective 3	2	3	3	CompSci E2
TOTAL UNITS:				12	

Total credits:	155
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Note: Admission Requirements; All non-STEM/STEAM graduates are required to take the additional non-credit course in Problem Solving and Logic Formulation (PSLF 00) and Math Analysis (Math 00) prior or concurrent with Introduction to Computing (CCS 1) and Fundamentals of Programming (CCS 2) professional courses. Both subjects are pre-requisite subjects before advancing to the 2nd year.

Augmentation Learning Activities

Subjects	Units	Schedule Offering
PSLF 00	(3)	1st Sem, 1st Year
Math 00	(5)	1st Sem, 1st Year

Summary of Curriculum Components	Units
General Education Subjects	36
Major Subjects	81
Major Electives	9
Cognate Subjects	0
Practicum/Thesis/OJT	9
NSTP	6
PathFit	8
Institutional Required Subjects	6
Total credit units	155