SILLIMAN UNIVERSITY
DUMAGUETE CITY

School/College:	**College of Computer Studies**
Program Name:	**Bachelor of Science in Computer Science (BSCS)**
Curriculum Year:	**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 10/GE 10A	Retorika: Ang Sining ng Pagpapahayag/WPE	3	0	3	
PE 1	Physical Fitness & Swimming	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 11/GE 11A	Panitikan/Free Elective	3	0	3	GE 10
PE 2	Physical Education	2	0	2	PE 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
GE 12/ CHS 3	Christianity & Peace-Building	3	0	3	CHS 2
GE 2	Readings in Philippine History	3	0	3	
GE 5	Purposive Communication	3	0	3	
PE 3	Physical Education	2	0	2	PE 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	
PE 4	Physical Education	2	0	2	PE 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 Language	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

Second Semester

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CompSci 32	Programming Languages	3	0	3	CompSci 33
CompSci 34	Network 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

Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite	Subject Code	Course Title	Lec	Lab	Units	Pre-Requisite
CCS 6	Applications Development & Emerging Technologies	2	3	3	CCS 5, CCS 8	CompSci E1	Professional Elective 1	2	3	3	CompSci 37, CompSci 39
	TOTAL UNITS:			**18**			**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 34, CompSci 32
CompSci 45	Information Assurance and Security	3	0	3	CompSci 34
CompSci 47	Software Engineering 2	2	3	3	CompSci 36, CompSci
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, CompSci 47, GE 8
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**

Note: Admission Requirements; All strands will be accepted/admitted but are required to take the bridging course in Problem Solving and Logic Formulation (PSLF 00)

Augmentation Learning Activities

Subjects	Units	Schedule Offering
PSLF 00	(3)	Mid-Year Term
Pre-Calculus (for non-STEAM)	(3)	1st Sem, 1st Year
Basic Calculus (for non-STEAM)	(3)	2nd 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
PE	8
Institutional Required Subjects	6
Total credit units	**155**

Remarks:
Non-STEAM graduates must take and pass Pre-Calculus and Basic Calculus subjects during 1st Semester and 2nd Semester of their 1st year, respectively. Both subjects are also pre-requisite subjects before advancing to the 2nd year.

Updated: May 29, 2020