

Vellalar College for Women (Autonomous), Erode - 12.									
Bachelor Of Science In Chemistry									
2017 - 2018 onwards									
Course Content and Scheme of Examinations (CBCS Pattern)									
Semester I									
Part	Study Components	Sub. Code	Title Of the Paper	Inst. Hrs./ Week	Exam. Dur. Hrs.	Max. Marks			Credits
						CIA	ESE	Total	
I	Language I	15TAMU101/ 14HINU101	Tamil / Hindi	6	3	25	75	100	3
II	Language II	17ENLU101	English I	6	3	25	75	100	3
III	Core	11CHUC101	Core Chemistry I	3	3	25	75	100	4
		11CHUC102	Core Chemistry II	3	3	25	75	100	4
			Core Chemistry Practical I	3	–	–	–	–	–
	Allied I	17PHUA101	Allied Physics Paper I	4	3	20	55	75	4
			Allied Physics Practical	3	–	–	–	–	–
IV	Foundation Course	09FOCU1ES	Environmental Studies	2	3	–	100	100	2
	TOTAL							575	20
Semester II									
I	Language I	15TAMU202/ 14HINU202	Tamil / Hindi	6	3	25	75	100	3
II	Language II	17ENLU202	English II	6	3	25	75	100	3
III	Core	11CHUC203	Core Chemistry III	3	3	25	75	100	4
		11CHUC204	Core Chemistry IV	3	3	25	75	100	4

		15CHUCP01	Core Chemistry Practical I	3	3	40	60	100	3
	Allied I	17PHUA202	Allied Physics Paper II	4	3	20	55	75	4
		17PHUAP01	Allied Physics Practical	3	3	20	30	50	2
IV	Value Education	14VEDU2HR	Value Education and Human Rights	2	3	–	100	100	2
	TOTAL							725	25

Semester III

I	Language I	14TAMU303/ 14HINU303	Tamil/ Hindi	6	3	25	75	100	3
II	Language II	13ENLU303	English III	6	3	25	75	100	3
III	Core	11CHUC305	Core Chemistry V	3	3	25	75	100	4
			Core Chemistry Practical - II	3	–	–	–	–	–
	Allied II	16MSUA303	Allied Mathematics - I	5	3	20	55	75	4
16MSUAP01		Allied Practical - I Sage Math	2	3		25	25	1	
IV	Skill Based Subject	17CHUS301	Skill Based Subject – I	3	3	25	75	100	3
	*Basic Tamil	14TMLU301		2	–	100	–	100	2
	**Advanced Tamil	14ADTU301			3	25	75		
	Non Major Elective I				3	–	100		
	TOTAL							600	20

Semester IV									
I	Language I	14TAMU404/ 14HINU404	Tamil/Hindi	6	3	25	75	100	3
II	Language II	13ENLU404	English IV	6	3	25	75	100	3
III	Core	15CHUC406	Core Chemistry VI	3	3	25	75	100	4
		15CHUCP02	Core Chemistry Practical - II	3	6	60	90	150	4
IV	Allied II	16MSUA404	Allied Mathematics - II	5	3	20	55	75	4
		16MSUAP02	Allied Practical II Otave	2	3		25	25	1
IV	Skill Based Subject	17CHUS402	Multi Skill Development Paper	3	1 1/2	40	#60	100	3
	*Basic Tamil	14TMLU402		2	–	100	–	100	2
	**Advanced Tamil	14ADTU402			3	25	75		
	Non Major Elective I				3	–	100		
	TOTAL								750
# Online Examination									
Semester V									
	Core – VII	15CHUC507	Inorganic Chemistry	4	3	25	75	100	4
	Core – VIII	15CHUC508	Organic Chemistry	4	3	25	75	100	4
	Core – IX	15CHUC509	Electro Chemistry	5	3	25	75	100	4
	Core Chemistry Practicals		Core Chemistry Practicals III	7					

	Elective	17CHUE501/ 17CHUE502	Elective Paper– I	4	3	25	75	100	5
			Elective Practicals	3					
IV	Skill Based Subject	17CHUS503	Skill Based Subject – III	3	3	25	75	100	3
	TOTAL							500	20
Semester VI									
III	Core – X	15CHUC610	Physical Methods and Chemical Structures	5	3	25	75	100	4
	Core – XI	15CHUC611	Chemical Kinetics	4	3	25	75	100	4
	Core - XII	15CHUC612	Chemistry of Natural products	4	3	25	75	100	4
	Core Chemistry Practicals	15CHUCP03	Core Chemistry Practical- III	7	6	60	90	150	5
	Elective	17CHUE603/ 17CHUE604	Elective Paper– II	4	3	25	75	100	5
		17CHUEP01	Elective Practicals	3	3	40	60	100	5
IV	Skill Based Subject	17CHUS604	Skill Based Subject – IV	3	3	25	75	100	3
V	Extension Activity		NSS/NCC/ Physical Education/ YRC/ Green Society/ CCC / EDP	-	-	-	-	100	1
	TOTAL							850	31
	GRANT TOTAL							4000	140
* For Students Whose Part I in Secondary Education is Not Tamil									
** For Students Whose Part I in Higher Secondary Education is Not Tamil									

ELECTIVE PAPERS		
Subject	Paper Code	Paper Name
Elective - I	17CHUE501	Analytical Chemistry
	17CHUE502	Pharmaceutical Chemistry
Elective - II	17CHUE603	Polymer Chemistry
	17CHUE604	Water - Quality Analysis and Treatment
SKILL BASED SUBJECTS		
Subject - I	17CHUS301	Chemistry Of Milk And Milk Products
Subject - II	17CHUS402	Multi Skill Development Paper
Subject -III	17CHUS503	Textile Chemistry
Subject -IV	17CHUS604	Industrial Chemistry
NON MAJOR ELECTIVES		
Elective - I	17CHUN301	Water Management - An Environmental Perspective
Elective - II	17CHUN402	Chemistry in Daily Life
ALLIED CHEMISTRY		
Paper - I	17CHUA101/ 17CHUA303	Allied Chemistry - I
Paper - II	17CHUA202/ 17CHUA404	Allied Chemistry - II
Allied Chemistry Practicals	15CHUAP01	Allied Chemistry Practicals
SELF-LEARNING PAPERS		
Paper - I	13CHUSL01	Applied Science
Paper - II	13AUGSL05	General Awareness