

Computational Linguistics (Dual Degree) - Semester wise Plan (Subject to minor changes)

Year & Sem	Course Code	Course Name	Full/Half Sem	Lectures-L, Tutorial-T, Practical-P Hours per week			Credits earned								
				L	T	P	Ins Core	Prog Core	Prog Elec	CS Elec	Maths	Science	Hum	Open Elec	Hons
I-I	Monsoon														
	MA1.101	Discrete Structures	Full	3	1	0	-	-	-	-	4	-	-	-	-
	CL1.101	Intro to Linguistics-1:Phontics, Phonology, Morphology and Syntax	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS0.101	Computer Programming	Full	3	1	3	-	5	-	-	-	-	-	-	-
	EC2.101	Digital Systems and Microcontroller	Full	3	1	3	-	5	-	-	-	-	-	-	-
	OC1.101	Arts-1	Full	0	2	2	2	-	-	-	-	-	-	-	-
	OC2.101	Sports-1	Full	0	0	2	1	-	-	-	-	-	-	-	-
	OC3.101	Value Education-1	Full	2	1	0	2	-	-	-	-	-	-	-	-
		Sub Total		14	7	10	5	14	0	0	4	0	0	0	0
	Total		23												
I-II	Spring														
	MA3.101	Linear Algebra	Full	3	1	0	-	-	-	-	4	-	-	-	-
	CL1.102	Introduction to Linguistics-2: Semantics, Discourse and Pragmatics	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CL3.101	Computational Linguistics-1: Comp phon, morphology and sentence parsing	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS1.201	Data Structures and Algorithms	Full	3	1	3	-	5	-	-	-	-	-	-	-
	CS6.201	Introduction to Software Systems	Half	3	1	0	-	2	-	-	-	-	-	-	-
	CS2.201	Computer Systems Organization	Full	3	1	0	-	4	-	-	-	-	-	-	-
	OC2.102	Sports-2	Full	0	0	2	1	-	-	-	-	-	-	-	-
	OC1.102	Arts-2	Full	0	2	2	2	-	-	-	-	-	-	-	-
	Sub Total		18	8	7	3	19	0	0	4	0	0	0	0	
	Total		26												

Year & Sem	Course Code	Course Name	Full/Half Sem	Lectures-L, Tutorial-T, Practical-P			Credits earned								
				Hours per week			Ins Core	Prog Core	Prog Elec	CS Elec	Maths	Scien ce	Hum	Open Elec	Hons
				L	T	P									
II-I	Monsoon														
	MA4.101	Probability and Statistics	Full	3	1	0	-	-	-	-	4	-	-	-	-
	CS2.203	Language and Society	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CL3.202	Computational Linguistics-2: Comp Semantics and Discourse parsing	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS2.201	Computer Systems Engineering	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS1.301	Algorithm Analysis and Design	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS6.301	Design and Analysis of Software Systems	Full	3	1	0	-	4	-	-	-	-	-	-	-
	OC2.103	Sports-3	Full	0	0	2	1	-	-	-	-	-	-	-	-
		Sub Total		18	6	2	1	20	0	0	4	0	0	0	0
	Total		25												
II-II	Spring														
	CSL1.204	Foundation Breadth (Digital Signals)	Half	3	1	0	-	2	-	-	-	-	-	-	-
		Language Typology and Universals	Full	3	1	0	-	4	-	-	-	-	-	-	-
		Introduction Natural Language Processing	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS1.302	Automata Theory	Half	3	1	0	-	2	-	-	-	-	-	-	-
	CS7.301	Machine, Data and Learning	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS4.301	Introduction to Database Systems	Half	3	1	0	-	2	-	-	-	-	-	-	-
		Introduction to Human Sciences	Full	3	1	0	-	-	-	-	-	-	4	-	-
	OC2.104	Sports-4	Full	0	0	2	1	-	-	-	-	-	-	-	-
	OC3.102	Value Education-2	Full	2	1	0	2	-	-	-	-	-	-	-	-
	Sub Total		23	8	2	3	18	0	0	0	0	4	0	0	
	Total		25												
III-I	Monsoon														
	MA2.101	Honours-1	Full	0	2	6	-	-	-	-	-	-	-	-	2
		Advance NLP	Full	3	1	0	-	4	-	-	-	-	-	-	-
		Real Analysis	Full	3	1	0	-	-	-	-	4	-	-	-	-
		CS Elective-1	Full	3	1	0	-	-	-	4	-	-	-	-	-
		Science-1	Full	3	1	0	-	-	-	-	-	4	-	-	-
		HSS Elective - 1	Full	3	1	0	-	-	-	-	-	-	4	-	-
		Sub Total		15	7	6	-	4	0	4	4	4	4	0	2
		Total		22											

Year & Sem	Course Code	Course Name	Full/Half Sem	Lectures-L, Tutorial-T, Practical-P			Credits earned									
				Hours per week			Ins Core	Prog Core	Prog Elec	CS Elec	Maths	Science	Hum	Open Elec	Hons	
				L	T	P										
III-II	Spring															
		Honours-2	Full	0	2	6	-	-	-	-	-	-	-	-	2	
		CL Stream-1	Full	3	1	0	-	-	4	-	-	-	-	-	-	
		CS Elective-2	Full	3	1	0	-	-	-	4	-	-	-	-	-	
		Open Elective - 1	Full	3	1	0	-	-	-	-	-	-	4	-		
		Science – 2	Full	3	1	0	-	-	-	-	-	4	-	-		
		HSS Elective – 2	Full	3	1	0	-	-	-	-	-	4	-	-		
		Sub Total		15	7	6	-	0	4	4	0	4	4	4	2	
		Total		22												
IV-I	Monsoon															
		Honours-3	Full	0	2	6	-	-	-	-	-	-	-	-	2	
		CL Stream-2	Full	3	1	0	-	-	4	-	-	-	-	-	-	
		CL Stream-3	Full	3	1	0	-	-	4	-	-	-	-	-	-	
		Ethics-1	Half	3	1	0	-	-	-	-	-	-	2	-	-	
		CS Elective-3	Full	3	1	0	-	-	-	4	-	-	-	-	-	
		Open Elective-2	Full	3	1	0	-	-	-	-	-	-	-	4	-	
		Sub Total		15	7	6	-	0	8	4	0	0	2	4	2	
		Total		20												
IV-II	Spring															
		Honours-4	Full	0	2	6	-	-	-	-	-	-	-	-	2	
		Ethics-2	Half	3	1	0							2			
		CL Stream-4	Full	3	1	0	-	-	2	-	-	-	-	-	-	
		CS Elective-4	Full	3	1	0	-	-	-	4	-	-	-	-	-	
		Open Elective – 3	Full	3	1	0	-	-	-	-	-	-	-	4	-	
		Sub Total		12	6	6	-	0	2	4	0	0	2	4	2	
	Total		14													
V-I	Monsoon															
		Thesis	Full				-	12	-	-	-	-	-	-	-	
		Institute Seminar-1	Full				1	-	-		-	-	-	-	-	
		Sub Total					1	12	0	0	0	0	0	0	0	
		Total		12												

Year & Sem	Course Code	Course Name	Full/Half Sem	Lectures-L, Tutorial-T, Practical-P Hours per week	Credits earned									
				L	T	P	Ins Core	Prog Core	Prog Elec	CS Elec	Maths	Science	Hum	Open Elec

V-II	Spring												
		Thesis	Full		-	12			-		-	-	-
		Institute Seminar-2	Full		1	-	-		-	-		-	-
		Sub Total			1	12	0	0	0	0	0	0	0
		Total											12

	Total	%
Institute Core	12	7
CS Core	43	24
Domain (CL) Core	32	18
Programme Electives	14	8
CS Elective	16	9
Maths	16	9
Science	8	5
Humanities	16	9
Open Electives	12	7
Honours	8	5
Total	177	100