

Geospatial Technology (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
Monsoon															
I-I	MA1.101	Discrete Structures	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	-	-	-	-	-	-	-
		Spatial Thinking and Practice (Surveying , Geodesy, Photogrammetry)	Full	3	1	0	-	4	-	-	-	-	-	-	-
	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	13	5	14	0	0	4	0	0	0	0
		Total													23
Spring															
I-II	MA3.101	Linear Algebra	Full	3	1	0	-	-	-	-	4	-	-	-	-
	CS3.303	Introduction to IoT	Full	2	0	3	-	3	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-
		Intro to Spatial Sciences with a Lab	Half	1	0	3	-	2	-	-	-	-	-	-	-
	OC2.102	Sports-2	Full	0	0	2	1	-	-	-	-	-	-	-	-
	OC1.102	Arts-2	Full	0	2	2	2	-	-	-	-	-	-	-	-
		Sub Total		15	6	7	3	16	0	0	4	0	0	0	0
Total															
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
Monsoon															
II-I	MA6.101	Probability and Statistics	Full	3	1	0	-	-	-	-	4	-	-	-	-
	CS4.301	Data and Applications	Half 2	3	1	0	-	2	-	-	-	-	-	-	-
	CS1.302	Automata Theory	Half 1	3	1	0	-	2	-	-	-	-	-	-	-
	CS1.301	Algorithm Analysis and Design	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS3.301	Operating Systems and Networks	Full	3	1	0	-	4	-	-	-	-	-	-	-
	CS4.408	Spatial Informatics	Full	3	1	0	-	4	-	-	-	-	-	-	-
	EC3.202	Embedded Systems Workshop	Half	1	0	2	-	3							

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IV-I	Honours-3	Full	0	2	6	-	-	-	-	-	-	-	-	2
	CG Stream-3	Full	3	1	0	-		4						
	Open Elective-1	Full	3	1	0	-		-	-	-	-	-	4	-
	CS Bouquet/Elective-2	Full	3	1	0	-	-	-	4	-	-	-	-	-
	Science Elective-1	Full	3	1	0	-	-	-	-	-	4	-	-	-
	Basics of Ethics	Full	3	1	0	-	-	-	-	-	-	2	-	-
	Sub Total		15	7	6	0	0	4	4	0	4	2	4	2

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	Spring													
IV-II	Honours-4	Full	0	2	6	-	-	-	-	-	-	-	-	2
	Open Elective-2	Full	3	1	0	-	-	-	-	-	-	-	4	-
	CG Stream-4	Full	3	1	0	-	-	4	-	-	-	-	-	-
	Science Elective-2	Full	3	1	0	-	-	-	-	-	4	-	-	-
	HSS Elective - 2	Full	3	1	0	-	-	-	-	-	-	4	-	-
	Ethics-2	Full	3	1	0	-	-	-	-	-	-	2	-	-
	Sub Total		15	7	6	0	0	4	0	0	4	6	4	2

