

# BComp(CS) Sample Study Plans

These study plans are provided as guidelines only and are based on the assumption that students take a semester off for ATAP. The plans complete the core foundations and the focus area primaries as early as possible and complete all ULR within the first two years, while spreading the load of mathematic/science over the first three years. Numerous other possibilities exist.

Students may consult the CS Curriculum Chair with their study planning, at [cs-curriculum@comp.nus.edu.sg](mailto:cs-curriculum@comp.nus.edu.sg)

Last Update: 10 July 2019

Sample Study Plan for B.Comp(CS) Cohort AY19/20

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	Focus Area	
	CS2106	Math & Sci	
	ULR	ULR	
Year 3	CS3203	Focus Area	ATAP
	CS3203	Focus Area	
	Focus Area	UE	
	Focus Area	UE	
	Math & Sci	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Theory and Algorithm Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	<b>CS3230</b>	
	CS2101	ES2660	
	CS2105	<b>CS3236</b>	
	CS2106	Math & Sci	
	ULR	ULR	
Year 3	CS3203	<b>CS4231</b>	ATAP
	CS3203	Focus Area	
	<b>CS4232</b>	Math & Sci	
	<b>CS4234</b>	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Artificial Intelligence Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	<b>CS3243</b>	
	CS2106	Math & Sci	
	ULR	ULR	
Year 3	CS3203	<b>CS4246</b>	ATAP
	CS3203	<b>CS4244</b>	
	<b>CS4248</b>	<b>CS3244</b>	
	Math & Sci	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Networking and Distributed Systems Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	<b>CS2105</b>	Focus Area	
	CS2106	Math & Sci	
	ULR	ULR	
Year 3	CS3203	<b>CS4231</b>	ATAP
	CS3203	<b>CS4222</b>	
	<b>CS3103</b>	UE	
	<b>CS4226</b>	UE	
	Math & Sci	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Database Systems Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	<b>CS3223</b>	
	<b>CS2102</b>	CS2106	
	ULR	ULR	
Year 3	CS3203	<b>CS4221</b>	ATAP
	CS3203	<b>CS4225</b>	
	<b>CS4224</b>	Math & Sci	
	Math & Sci	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Multimedia Information Retrieval Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	<b>CS3245</b>	
	CS2106	<b>CS2108</b>	
	ULR	ULR	
Year 3	CS3203	<b>CS4242</b>	ATAP
	CS3203	<b>CS4347</b>	
	<b>CS4248</b>	Math & Sci	
	Math & Sci	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Computer Security Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2107	CS3235	
	CS2105	ULR	
	CS2106	ULR	
	ULR		
Year 3	CS3203	CS4238	ATAP
	CS3203	Math & Sci	
	CS4236	Math & Sci	
	CS4239	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Computer Graphics and Games Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	CS3247	
	CS3241	ULR	
	CS2106	ULR	
	ULR		
Year 3	CS3203	CS4347	ATAP
	CS3203	CS3242	
	CS4350	Math & Sci	
	Math & Sci	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Parallel Computing Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	CS3211	
	CS3210	ULR	
	CS2106	ULR	
	ULR		
Year 3	CS3203	Focus Area	ATAP
	CS3203	CS4231	
	CS4223	Math & Sci	
	Math & Sci	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

\*: For first three semesters, students should take PC1221, MA1521 and MA1101R for "Math & Sci" before taking CS3242.

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Programming Languages Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	CS3211	
	CS2105	ES2660	
	CS2104	ULR	
	CS2106	ULR	
	ULR		
Year 3	CS3203	Focus Area	ATAP
	CS3203	CS4215	
	CS4212	Math & Sci	
	Math & Sci	UE	
	UE	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	

Sample Study Plan for B.Comp(CS) Cohort AY19/20  
Software Engineering Focus Area

	Semester 1	Semester 2	Special Terms
Year 1	CS1101S	CS2030	Orbital
	CS1231S	CS2040S	
	Math & Sci	CS2100	
	Math & Sci	IS1103	
	ULR	ULR	
Year 2	CS2103T	CS3230	
	CS2101	ES2660	
	CS2105	Focus Area	
	CS2106	ULR	
	Math & Sci	ULR	
	ULR		
Year 3	CS3203	CS4218	ATAP
	CS3203	Math & Sci	
	CS3219	UE	
	CS4211	UE	
	CS4239	UE	
Year 4	ATAP	Focus Area	
		UE	
		UE	
		UE	
		UE	