

Sample Study Plan for BEng(CompSc) with 2nd Major in Information Systems [for 2018-19 to 2020-21 intakes]

		Semester 1		Semester 2	
Year 1 (66 cu)	UG5 Requirements (18 cu) Engineering (42 cu) IS Requirement (6 cu)	MATH1851 / MATH1853	Calculus and ordinary differential equations / Linear algebra, probability and statistics	MATH1851 / MATH1853	Calculus and ordinary differential equations / Linear algebra, probability and statistics
		ENGG1300 / ENGG1310	Fundamental mechanics / Electricity and electronics	ENGG1300 / ENGG1310	Fundamental mechanics / Electricity and electronics
		ENGG1330	Computer programming I	ENGG1340	Computer programming II
		CAES1000 / ENGG1320	Core University English / Engineers in the modern world	CAES1000 / ENGG1320	Core University English / Engineers in the modern world
		CC	University Common Core	CC	University Common Core
Year 2 (72 cu)	UG5 Requirements (24 cu) CS Core (24 cu) IS Requirement (24 cu)	COMP2119 / CC	Introduction to data structures and algorithms / University Common Core	COMP2119 / CC	Introduction to data structures and algorithms / University Common Core
		COMP2121	Discrete mathematics	COMP2120	Computer organization
		COMP2396	Object-oriented programming and Java	CC	University Common Core
		CC	University Common Core	CC	University Common Core
		ACCT1101 / ECON1210	Introduction to financial accounting / Introductory microeconomics	FINA1310	Corporate finance
IIMT2601	Management information systems	MGMT2401 / MKTG2501	Principles of management / Introduction to marketing		
Year 3 (72 cu)	UG5 Requirements (6 cu) CS Core (30 cu) Electives (12 cu) IS Requirement (24 cu)	COMP3230	Principles of operating systems	COMP3234	Computer and communication networks
		COMP3278	Introduction to database management systems	COMP3250	Design and analysis of algorithms
		COMP3297	Software engineering	CS Elective	Elective course in computer science
		CENG9001	Practical Chinese for engineering students	CS Elective	Elective course in computer science
		MGMT2401 / MKTG2501	Principles of management / Introduction to marketing	IS Elective	IS Elective (Advanced level) in lieu of IIMT3601** / IIMT3602
XXXXxxxx	A prescribed Stat course	IIMT3603	Project Management		
Summer (0 cu)	COMP3410	Internship			
Year 4 (60 cu)	UG5 Requirements (6 cu) Capstone Experience (12 cu) Electives (24 cu) IS Requirement (18 cu)	COMP4801	Final year project	COMP4801	Final year project
		CAES9542	Technical English for computer science	CS Elective	Elective course in computer science
		CS Elective	Elective course in computer science	CS Elective	Elective course in computer science
		CS Elective	Elective course in computer science	STRA4701	Strategic management
		IS Elective	IS Elective (Advanced level) in lieu of IIMT3601** / IIMT3602	IIMT4601	Information systems project management

** Students should consult FBE Temporary Academic Advisor for the exemption from IIMT3601.