

Sample Study Plan for BEng(CompSc) with Minor in Risk Management [for 2018-19 to 2020-21 intakes]

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (18 cu) Engineering (42 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 (66 cu)	UG5 Requirements (24 cu) CS Core (24 cu) RM requirement (18 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
		MATH2014 STAT2601	Multivariable calculus and linear algebra Probability and statistics I	STAT2602	Probability and statistics II
Year 3 (60 cu)	UG5 Requirements (6 cu) CS Core (30 cu) Electives (12 cu) RM requirement (12 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
		RM Elective	Elective course in risk management	RM Elective	Elective course in risk management
Summer (0 cu)	COMP3410	Internship			
Year 4 (60 cu)	UG5 Requirements (6 cu) Capstone Experience (12 cu) Electives (24 cu) RM 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	RM Elective	Elective course in risk management
		RM Elective	Elective course in risk management	RM Elective	Elective course in risk management