Sample Study Plan for BEng(CompSc) with 2ⁿᵈ Major in Finance [for 2022-23 intake and thereafter]

		Semester 1		Semester 2	
Year 1 (66 cu)	UG5 Requirements && (18 cu) Engineering (42 cu) Fin 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
				ACCT1101 / ECON1210 / ECON1220	Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics
Year 2 (72 cu)	UG5 Requirements && (18 cu) CS Core (30 cu) Fin Requirement (24 cu)	COMP2119	Introduction to data structures and algorithms	COMP2120	Computer organization
		COMP2121	Discrete mathematics	COMP3314	Machine Learning
		COMP2396	Object-oriented programming and Java	CC	University Common Core
		CC	University Common Core	CC	University Common Core
		ACCT1101 / ECON1210 / ECON1220	Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics	FINA1310	Corporate finance
		ACCT1101 / ECON1210 / ECON1220	Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics	XXXXxxxx	A prescribed Stat course
Year 3 (72 cu)	UG5 Requirements && (12 cu) CS Core (24 cu) Electives (12 cu) Fin Requirement (24 cu)	COMP3230	Principles of operating systems	COMP3251 / COMP3252	Algorithm design / Algorithm design and analysis
		COMP3278	Introduction to database management systems	CS Elective	Elective course in computer science
		COMP3297	Software engineering	CS Elective	Elective course in computer science
		CENG9001	Practical Chinese for engineering students	CC	University Common Core
		ECON2280 / FINA2320 / FINA2322	Introductory econometrics / Investments and portfolio analysis / Derivatives	ECON2280 / FINA2320 / FINA2322	Introductory econometrics / Investments and portfolio analysis / Derivatives
		IIMT2601 / MGMT2401 / MKTG2501	Management information systems / Principles of management / Introduction to marketing	ECON2280 / FINA2320 / FINA2322	Introductory econometrics / Investments and portfolio analysis / Derivatives
	Summer (0 cu)	COMP3410	Internship		
Year 4 (66 cu)	UG5 Requirements && (6 cu) Capstone Experience (12 cu) Electives (24 cu) Fin Requirement (24 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	FINAxxxx	Disciplinary elective
		ECON4200 /FINAxxxx	Senior seminar in economics and finance / Disciplinary elective	ECON4200 /FINAxxxx	Senior seminar in economics and finance / Disciplinary elective
		FINAxxxx	Disciplinary elective in lieu of MATH1013**		

** Students should consult FBE Temporary Academic Advisor for the exemption from MATH1013.

&& A new UG5 requirement – Successful completion of any other non-credit bearing course(s) for fostering students' whole-person development