Sample Study Plan for BEng(DS&E) with Major in Finance

		Semester 1		Semester 2	
Year 1 (66 cu)	UG5 Requirements* (24 cu) Engineering Core (24 cu) DS&E (12 cu) Finance (6 cu)	ENGG1330	Computer programming I	ENGG1340	Computer programming II
		MATH1013	University mathematics II	MATH2014	Multivariable calculus and linear algebra
		ENGG1320 / CAES1000	Engineers in the modern world / Core University English	ENGG1320 / CAES1000	Engineers in the modern world / Core University English
		CC	University Common Core	COMP2501	Introduction to data science and engineering
		CC	University Common Core	CC	University Common Core
				ACCT1101 / ECON1210 / ECON1220	Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics
Year 2 (60 cu)	UG5 Requirements* (18 cu) DS&E (18 cu) Finance (24 cu)	STAT2601	Probability and statistics I	STAT2602	Probability and statistics II
		COMP2119	Introduction to data structure and algorithms	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 /	XXxxxx	A prescribed statistics course**
Year 3 (60 cu)	UG5 Requirements* (6 cu) DS&E (24 cu) Capstone (6 cu) Finance (24 cu)	COMP3314	Machine learning	COMP3278	Introduction to database management systems
		LLAWxxxx	Law and ethics in data science	COMP3522	Real-life data science
		CENG9001 / DS&E Elective	Practical Chinese for Engineering Students / Elective course in DS&E	CENG9001 / DS&E Elective	Practical Chinese for Engineering Students / Elective course in DS&E
		FINAxxxx	Discipline elective in lieu of MATH1013**	ECON2280 / FINA2320 / FINA2322	Introductory econometrics / Investments and portfolio analysis / Derivatives
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	Summer (0 cu)	COMP3510	Internship		
Year 4 (60 cu)	UG5 Requirements* (6 cu) DS&E (24 cu) Capstone (6 cu) Finance (24 cu)	COMP4501 or COMP4502	Data Science in Discipline Project or Final Year Project	DS&E Elective	Elective course in DS&E
		CAES9542	Technical English for Computer Science	DS&E Elective	Elective course in DS&E
		DS&E Elective	Elective course in DS&E	DS&E Elective	Elective course in DS&E
		XXXXxxxx	A prescribed business course	FINAxxxx	Elective course in Finance
		ECON4200 / FINAxxxx	Senior seminar in economics and finance / Elective course in Finance	ECON4200 / FINAxxxx	Senior seminar in economics and finance / Elective course in Finance

* UG5(e) requirement – Successful completion of any other non-credit bearing course(s) for fostering students' whole-person development.

** Students should consult FBE Temporary Academic Adviser(s) of the Business School for substitute courses to MATH1013 and the prescribed statistics course.