

## Sample Study Plan for BEng(CompSc) with Minor in Finance [for 2018-19 intake and thereafter]

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (18 cu)  Engineering (42 cu)	MATH1851 / MATH1853 ENGG1300 / ENGG1310 ENGG1330 CAES1000 / ENGG1320 CC	Calculus and ordinary differential equations / Linear algebra, probability and statistics Fundamental mechanics / Electricity and electronics Computer programming I Core University English / Engineers in the modern world University Common Core	MATH1851 / MATH1853 ENGG1300 / ENGG1310 ENGG1340 CAES1000 / ENGG1320 CC	Calculus and ordinary differential equations / Linear algebra, probability and statistics Fundamental mechanics / Electricity and electronics Computer programming II Core University English / Engineers in the modern world University Common Core
Year 2 (60 cu)	UG5 Requirements (24 cu)  CS Core (24 cu)  FIN requirement (12 cu)	COMP2121 COMP2396 ACCT1101  CC CC	Discrete mathematics Object-oriented programming and Java Introduction to financial accounting  University Common Core University Common Core	COMP2119 COMP2120 ECON1210 / ECON1220 / FINA1310/ xxxxxxx CC CC	Introduction to data structures and algorithms Computer organization Introductory microeconomics / Introductory macroeconomics / Corporate finance / A prescribed statistics course  University Common Core University Common Core
Year 3 (60 cu)	UG5 Requirements (6 cu)  CS Core (30 cu)  Electives (12 cu)  FIN requirement (12 cu)	COMP3230 COMP3278 COMP3297 CENG9001 ECON1210 / ECON1220 / FINA1310/ xxxxxxx	Principles of operating systems Introduction to database management systems Software engineering Practical Chinese for engineering students Introductory microeconomics / Introductory macroeconomics / Corporate finance / A prescribed statistics course	COMP3234 COMP3250 CS Elective CS Elective ECON1210 / ECON1220 / FINA1310/ xxxxxxx	Computer and communication networks Design and analysis of algorithms Elective course in computer science Elective course in computer science Introductory microeconomics / Introductory macroeconomics / Corporate finance / A prescribed statistics course
	Summer# (0 cu)	COMP3410	Internship		
Year 4 (60 cu)	UG5 Requirements (6 cu)  Capstone Experience (12 cu)  Electives (30 cu)  FIN requirement (12 cu)	COMP4801 CAES9542 CS Elective CS Elective ECON1210 / ECON1220 / FINA1310/ xxxxxxx	Final year project Technical English for computer science Elective course in computer science Elective course in computer science Introductory microeconomics / Introductory macroeconomics / Corporate finance / A prescribed statistics course	COMP4801 CS Elective CS Elective Free Elective FINA2320	Final year project Elective course in computer science Elective course in computer science Elective course in any disciplines Investments and portfolio analysis

# Student can take the Internship course in the 2<sup>nd</sup> summer provided they can identify a suitable summer placement (which is approved by the department).