Sample Study Plan for BEng(CompSc) with Minor in Risk Management [3-Year Curriculum]

		Semester 1			Semester 2		
Year 1 (66 cu)	UG5 Requirements (6 + 15 cu) CS Core (21 + 18 cu) RM requirement (6 + 0 cu)	ENGG1002 ENGG1004 ENGG1007 ENGG10xx CAES1515 CENG1001 STAT1301 / STAT1306 / STAT0301	Computer programming and applications Mathematics IA Foundations of computer science 1 General Engineering course * Professional and technical oral communication for engineers Practical Chinese language course for engineering students Probability and statistics I / Introductory statistics / Elementary statistical methods	6 3 6 6 3 3 6	CSIS1119 CSIS1120 CSIS1123 CAES1503 UCC UCC	Introduction to data structures and algorithms Computer organization Programming technologies and tools English for computer science University Common Core University Common Core	6 6 6 3 6 6
Year 2 (66 cu)	CS Core (12 + 12 cu) Complementary Studies (0 + 6 cu) Electives (12 + 6 cu) RM requirement (6 + 6 cu)	CSIS0230 CSIS0278 CSIS0396 STAT1303 / RM Elective Free Elective	Principles of operating systems Introduction to database management systems Object-oriented programming and Java # Data management / Elective course in risk management Elective course in any disciplines	6 6 6 6 6	CSIS0234 CSIS0250 ELEC2814 CSIS0297 STAT1302 / STAT1303 / RM Elective	Computer and communication networks Design and analysis of algorithms Engineering management and society Introduction to software engineering # Probability and statistics II / Data management / Elective course in risk management	6 6 6 6 6
	Summer (6 cu)	CSIS1412	Industrial Training	6			
Year 3 (48 cu)	Capstone Experience (12 cu) Electives (12 + 6 cu) RM requirement (6 + 12 cu)	CSIS0801 CS Elective CS Elective RM Elective	Final year project Elective course in computer science Elective course in computer science Elective course in risk management	6 6 6 6	CSIS0801 CS Elective RM Elective RM Elective	Final year project Elective course in computer science Elective course in risk management Elective course in risk management	6 6 6 6

* List of General Engineering Courses (6 cu each):

ENGG1006	Engineering for sustainable development		ENGG1015	Introduction to electrical and electronic engineering
ENGG1009	Industrial management and logistics		ENGG1018	Introduction to mechanical engineering
ENGG1011	Introduction to biomedical engineering			

Academic Advisor's recommendation of CS elective courses