

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

		Semester 1			Semester 2		
Year 1 (66 cu)	UG5 Requirements (15 cu) CS Core (39 cu) FIN requirement (12 cu)	ENGG1002 ENGG1004 ENGG1007 ENGG10xx CAES1515  CENG1001  UCC / BUSI1002 / ECON1001 / FINA1003	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	6 3 6 6 3  3	CSIS1119 CSIS1120 CSIS1123 CAES1503   University Common Core / Introduction to accounting / Introduction to economics I / Corporate finance	Introduction to data structures and algorithms Computer organization Programming technologies and tools English for computer science	6 6 6 3   18
Year 2 (66 cu)	UG5 Requirements (6 + 0 cu) CS Core (12 + 12 cu) Complementary Studies (0 + 6 cu) CS Electives (6 + 6 cu) FIN requirement (6 + 6 cu)	CSIS0230 CSIS0278 CSIS0396 UCC BUSI1002 / ECON1001 / FINA1003	Principles of operating systems Introduction to database management systems Object-oriented programming and Java # University Common Core Introduction to accounting / Introduction to economics I / Corporate finance	6 6 6 6 6	CSIS0234 CSIS0250 ELEC2814 CSIS0297 FINA2802	Computer and communication networks Design and analysis of algorithms Engineering management and society Introduction to software engineering # Investments and portfolio analysis	6 6 6 6 6
	Summer (6 cu)	CSIS1412	Industrial Training	6			
Year 3 (48 cu)	Capstone Experience (12 cu) Electives (12 + 12 cu) FIN requirement (6 + 6 cu)	CSIS0801 CS Elective CS Elective FIN Elective	Final year project Elective course in computer science Elective course in computer science Year two or three courses	6 6 6 6	CSIS0801 CS Elective Free Elective FIN Elective	Final year project Elective course in computer science Elective course in any disciplines Year two or three courses	6 6 6 6

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

ENGG1006 Engineering for sustainable development  
ENGG1009 Industrial management and logistics  
ENGG1011 Introduction to biomedical engineering

ENGG1015 Introduction to electrical and electronic engineering  
ENGG1018 Introduction to mechanical engineering

# Academic Advisor's recommendation of CS elective courses