

## Sample Study Plan for BEng(CompSc) [3-Year Curriculum]

		Semester 1			Semester 2		
Year 1 (66 cu)	UG5 Requirements (12 + 9 cu)  CS Core (21 + 18 cu)  Electives (0 + 6 cu)	ENGG1002 ENGG1004 ENGG1007 ENGG10xx CAES1515  CENG1001  UCC	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 University Common Core	6 3 6 6 3 3 6	CSIS1119 CSIS1120 CSIS1123 CAES1503 UCC  Free Elective	Introduction to data structures and algorithms Computer organization Programming technologies and tools English for computer science University Common Core  Elective course in any disciplines	6 6 6 3 6  6
Year 2 (66 cu)	CS Core (12 + 12 cu)  Complementary Studies (0 + 6 cu)  Electives (18 + 12 cu)	CSIS0230 CSIS0278 CSIS0396 Free Elective Free Elective	Principles of operating systems Introduction to database management systems Object-oriented programming and Java # Elective course in any disciplines Elective course in any disciplines	6 6 6 6 6	CSIS0234 CSIS0250 ELEC2814 CSIS0297 Free Elective	Computer and communication networks Design and analysis of algorithms Engineering management and society Introduction to software engineering # Elective course in any disciplines	6 6 6 6 6
	Summer (6 cu)	CSIS1412	Industrial Training	6			
Year 3 (48 cu)	Capstone Experience (12 cu)  Electives (18 + 18 cu)	CSIS0801 CS Elective CS Elective Free Elective	Final year project Elective course in computer science Elective course in computer science Elective course in any disciplines	6 6 6 6	CSIS0801 CS Elective Free Elective Free Elective	Final year project Elective course in computer science Elective course in any disciplines Elective course in any disciplines	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