

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

		Semester 1			Semester 2		
Year 1 (66 cu)	UG5 Requirements (6 + 15 cu)	ENGG1002	Computer programming and applications	6	CSIS1119	Introduction to data structures and algorithms	6
	CS Core (21 + 18 cu)	ENGG1004	Mathematics IA	3	CSIS1120	Computer organization	6
	STAT requirement (6 + 0 cu)	ENGG1007	Foundations of computer science	6	CSIS1123	Programming technologies and tools	6
		ENGG10xx	1 General Engineering course *	6	CAES1503	English for computer science	3
		CAES1515	Professional and technical oral communication for engineers	3	UCC	University Common Core	6
		CENG1001	Practical Chinese language course for engineering students	3	UCC	University Common Core	6
		STAT1301 / STAT1306 / STAT0301	Probability and statistics I / Introductory statistics / Elementary statistical methods	6			
Year 2 (66 cu)	CS Core (12 + 12 cu)	CSIS0230	Principles of operating systems	6	CSIS0234	Computer and communication networks	6
	Complementary Studies (0 + 6 cu)	CSIS0278	Introduction to database management systems	6	CSIS0250	Design and analysis of algorithms	6
	Electives (12 + 6 cu)	CSIS0396	Object-oriented programming and Java #	6	ELEC2814	Engineering management and society	6
	STAT requirement (6 + 6 cu)	STAT1303 / STAT Elective	Data management / Elective course in statistics	6	CSIS0297	Introduction to software engineering #	6
		Free Elective	Elective course in any disciplines	6	STAT1302 / STAT1323 / STAT Elective	Probability and statistics II / Introduction to demographic and socio-economic statistics / Elective course in statistics	6
	Summer (6 cu)	CSIS1412	Industrial Training	6			
Year 3 (48 cu)	Capstone Experience (12 cu)	CSIS0801	Final year project	6	CSIS0801	Final year project	6
	Electives (12 + 6 cu)	CS Elective	Elective course in computer science	6	CS Elective	Elective course in computer science	6
	STAT requirement (6 + 12 cu)	CS Elective	Elective course in computer science	6	STAT Elective	Elective course in statistics	6
		STAT Elective	Elective course in statistics	6	STAT Elective	Elective course in statistics	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