

Sample Study Plan for BEng(CompSc) with Minor in Japanese Language [4-Year Curriculum]

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (12 + 12 cu) General Engineering (18 + 18 cu)	MATH1851 / MATH1853 ENGG1111 ENGG1202 / ENGG120x CAES1000 UCC	Calculus and ordinary differential equations / Linear algebra, probability and statistics Computer programming and applications Introduction to computer science / General Engineering course * Core University English University Common Core	MATH1851 / MATH1853 PHYS1050 ENGG1202 / ENGG120x UCC UCC	Calculus and ordinary differential equations / Linear algebra, probability and statistics Physics for engineering students Introduction to computer science / General Engineering course * University Common Core University Common Core
Year 2 (60 cu)	UG5 Requirements (6 + 12 cu) CS Core (12 + 12 cu) CS Electives (6 + 0 cu) JL requirement (6 + 6 cu)	COMP2121 COMP2123 COMP2396 JAPN1088 UCC	Discrete mathematics Programming technologies and tools Object-oriented programming and Java # Japanese language I (Part 1) University Common Core	COMP2119 COMP2120 JAPN1099 UCC UCC	Introduction to data structures and algorithms Computer organization Japanese language I (Part 2) University Common Core University Common Core
Year 3 (66 cu)	UG5 Requirements (6 + 0 cu) CS Core (18 + 18 cu) CS Electives (0 + 6 cu) JL requirement (6 + 6 cu)	COMP3230 COMP3278 COMP3297 CENG9001 JAPN2088	Principles of operating systems Introduction to database management systems Software engineering Practical Chinese for engineering students Japanese language II (Part 1)	COMP3234 COMP3250 COMP3311 CS Elective JAPN2099	Computer and communication networks Design and analysis of algorithms Legal aspects of computing Elective course in computer science Japanese language II (Part 2)
	Summer (6 cu)	COMP3412	Internship		
Year 4 (54 cu)	UG5 Requirements (6 + 0 cu) Capstone Experience (12 cu) Electives (12 + 12 cu) JL requirement (6 + 6 cu)	COMP4801 CAES9542 CS Elective CS Elective JAPN2188	Final year project Technical English for computer science Elective course in computer science Elective course in computer science Japanese language III (Part 1)	COMP4801 CS Elective Free Elective JAPN2199	Final year project Elective course in computer science Elective course in any disciplines Japanese language III (Part 2)

* List of General Engineering Courses:

ENGG1201	Engineering for sustainable development	ENGG1205	Introduction to mechanical engineering
ENGG1203	Introduction to electrical and electronic engineering	ENGG1206	Introduction to biomedical engineering
ENGG1204	Industrial management and logistics	ENGG1207	Foundation of biochemistry for medical engineering

Academic Advisor's recommendation of CS elective course