VANDERBILT
SCHOOL OF ENGINEERING

Computer Science at Hong Kong University of Science & Technology (Junior Spring)

Approved 18 July 2017 by Prof. Julie Johnson

Semester 1	Course	Cr Hrs
CHEM 1601, 1601L (102A, 104A)	General Chemistry	4
ES 1401, 1402, 1403 (140A, B, C)	Intro to Engineering	3
MATH 1300 (155A)	Acc Single-Var Calculus I	4
	LAC	3
	Vanderbilt Visions	0
	total hours	14

Semester 2	Course	Cr Hrs
CS 1101	Prog & Prob Solving	3
MATH 1301 (155B)	Acc Single-Var Calculus II	4
PHYS 1601, 1601L (116A, 118A)	General Physics I	4
	Open Elective	3
	total hours	14

Semester 3	Course	Cr Hrs
CS 2201	Prog Design & Data Struct	3
EECE 2116, 2116L (116, 116L)	Digital Logic	4
PHYS 1602, 1602L (116B, 118B)	General Physics II & Lab	4
	Open Elective	3
	total hours	14

Semester 4	Course	Cr Hrs
CS 2212	Discrete Structures	3
CS 2231	Computer Organization	3
CS 3251	Int. Software Design	3
MATH 2300 (175)	Multivariable Calculus	3
	LAC	3
	total hours	15

Semester 5	Course	Cr Hrs
CS 3270	Programming Languages	3
CS 3281	Prin Operating Systems I	3
LAC	LAC Writing	3
Math 2820	Intro to Prob & Math Stat	3
	Open Electives	5
	total hours	17

Semester 6	at HKUST	Cr Hrs
COMP 3711 (3 hrs CS 3250)	Design & Analysis of Algorithms	3
MATH 2121 (3 hrs MATH 2410)	Linear Algebra	3
	CS Depth Elective*	3
	LAC	3
	Open Elective	3
	total hours	15

Semester 7	Course	Cr Hrs
CS 4959	CS Project Seminar	1
	CS Depth Elective*	3
	CS Tech Elective	3
	Math Elective	3
	LAC	3
	Open Elective	3
	total hours	16

Semester 8	Course	Cr Hrs
	CS Project Course	3
	CS Depth Elective*	3
	CS Tech Elective	3
	LAC	3
	Open Elective	3
	total hours	15

total hours = 120

This curriculum plan is a guide but is NOT authoritative. The Undergraduate Catalog is the authoritative document regarding degree requirements. Students considering studying abroad should consult the catalog and discuss their plans with their academic advisers.

****Plan carefully and consult with your adviser about taking CS depth electives in preparation for your CS project course.***