BEng in Computer and Data Engineering
Recommended Study Plan for Students Entering Major in 2019/20

Year 2

Semester A			**Semester B**		
Code	**Title**	**CU**	**Code**	**Title**	**CU**
EE2000Ω	Logic Circuit Design	3	EE2004Ω	Microcomputer Systems	3
EE2301Ω	Basic Electronic Circuits	3	EE2331Ω	Data Structures and Algorithms	3
CS2311#	Computer Programming	3	EE3211	Modelling Techniques	3
MA2001	Multi-variable Calculus and Linear Algebra	3			
EE3001	Foundations of Data Engineering	3			
	Technical Course Total (CUs):	**15**		**Technical Course Total (CUs):**	**9**
	Maximum Total (CUs):	**18***		**Maximum Total (CUs):**	**18***

Summer

Code	**Title**	**CU**
EE4096	Engineering Training I	0
	Technical Course Total (CUs):	**0**
	Maximum Total (CUs):	**7***

Year 3

Semester A			**Semester B**		
Code	**Title**	**CU**	**Code**	**Title**	**CU**
EE3009	Data Communications and Networking	3	EE3070	Design Project	3
EE3206	Java Programming and Applications	3	EE4146	Data Engineering and Learning Systems	3
EE3220	Embedded System Design	3	EE3210	Signals and Systems	3
CS3402	Database Systems	3	EE3315	Internet Technology	3
			CS3103	Operating Systems	3
	Technical Course Total (CUs):	**12**		**Technical Course Total (CUs):**	**15**
	Maximum Total (CUs):	**18***		**Maximum Total (CUs):**	**18***

Summer

Code	**Title**	**CU**
EE4097Δ	Engineering Training II	0
	Technical Course Total (CUs):	**0**
	Maximum Total (CUs):	**7***

Year 4

Semester A			**Semester B**		
Code	**Title**	**CU**	**Code**	**Title**	**CU**
EE3012Δ	Engineers in Society	3	2 Electives^		6
EE4080	Project	3	EE4080	Project	3
3 Electives^		9			
	Technical Course Total (CUs):	**15**		**Technical Course Total (CUs):**	**9**
	Maximum Total (CUs):	**18***		**Maximum Total (CUs):**	**18***

* Students are advised to complete the following degree and language requirements as early as possible alongside those technical courses as advised above, subject to credit limit and their offering schedule.

- EL0200A & EL0200B English for Academic Purposes 1 & 2 (6 credit units)#
- GE1401 University English (3 credit units) #
- GE2410 English for Engineering (3 credit units)
- GE1501 Chinese Civilization – History and Philosophy (3 credit units) #
- CHIN1001 University Chinese I (3 credit units) #
- Gateway Education (Area Requirements)

Not applicable to Advanced Standing II students

Ω Requirements on EE2000, EE2004, EE2301 and EE2331 will be considered case by case based on ASII students' backgrounds in the subjects.

Δ Students having completed EE4081 Professional Internship Program (6 CUs) will take one less technical elective (3CUs) and are not required to take EE3012 Engineers in Society (3CUs). For those who have completed 12-month internship in EE4081 are not required to take EE4097 Engineering Training II.

^ Students are required to take at least FIVE electives with at least TWO electives from each group.