Example: Study Pattern for COMP 4Y Direct Entry Students (for reference only)

Subjects	Credits transferred
MATH1020 *(option 1)	4
MATH1013 * (option 2)	3
MATH2411 / IELM2510	4
COMP1022P	3
COMP Electives	15 (assumed 5 courses)
Other Course for free credits	6 (assumed 2 courses)
Common Core (Auto)	9
Free Credits (Auto)	12
Total:	52-53 (remaining study credits 67-68)

Fall 1

LANG1002	3
PHY/CHEM/BIO ^ (CC?)	3
COMP2011	4
COMP2611	4
COMP2711 (CC)	4
HLTH1010	0
COMP4900	0
ENGG2010	0
Total:	18

Winter 1

Spring 1

LANG1003	3
MATH1014	3
COMP2012	4
COMP3711	3
??? Chinese LANG	3
HLTH1010	0
COMP4900	0
ENGG2010	0
Total:	16

Summer 1

??? Common Core (CC)	3
??? SSC – SA	3
COMP1991 #	0
Total:	6

Internship

Fall 2

LANG2030	3
MATH2111	3
COMP3111	4
COMP3511	3
COMP4981	3
COMP4900	0
ENGG2010	0
Total:	16

Winter 2

COMP1991 # Industrial training

Spring 2

LANG4030	3
COMP Elective	3
??? SSC – S&T	3
??? SSC – H	3
COMP4981	3
COMP4900	0
ENGG2010	0
Total:	15

Summer 2

Total:	0

Total Credits = 52 + 18 + 16 + 6 + 16 + 15 = 123 credits (minimum 120 credits to graduate)

Normal credits limit for fall / spring = 18, Overload to 19-22 requires approval by academic counselor

^ Taking PHYS1001 / PHYS1112 / CHEM1004 can be double-counted as Common Core

** Double count policy: transferred course cannot be used to double count, maximum 2 courses

** Common Core course policy: transferred course cannot be counted as common core, count as free instead

120 Credits Distribution

Engineering Fundamental Course - Total 16 credits (option 1) or 18 credits (option 2)

Course Code	Course	Credits	Transfer?
COMP1022P	Introduction to Computing with JAVA	3	
ENGG1010	Academic Orientation	0	Waived
Science	PHYS / CHEM / BIO	3	
LANG2030	Technical Communication I	3	No
MATH1020	Accelerated Calculus *(option 1)	4	
MATH1013	Calculus I *(option 2)	3	
MATH1014	Calculus II *(option 2)	3	
MATH2111	Matrix Algebra and Applications	3	

COMP Required Course - Total: 39 credits

Course Code	Course	Credits	Transfer?
COMP1991	Industrial Training or internship	0	No
COMP2011	Introduction to OOP	4	No ^(COMP2012H)
COMP2012	OOP and Data Structure	4	No ^(COMP2012H)
COMP2611	Computer Organization	4	
COMP2711	Discrete Mathematical Tools for CS	4	No
COMP3111	Introduction to Software Engineering	4	No
COMP3511	Operating System	3	No
COMP3711	Design and Analysis of Algorithms	3	No
COMP4981	Final Year Project	6	No
COMP4900	Academic and Professional Development	0	No
ENGG2010	Engineering Seminar Series	0	No
LANG4030	Technical Communication II	3	No
MATH2411 / IELM2510	Applied Statistics	4	

COMP Electives Course - Total: 18 credits

Course Code	Course	Credits	Transfer?
COMP electives		18	Depends on eligible Sub-degree courses

Others (SSC, Common Cores, Chinese Lang, English Lang, and Healthy Lifestyle) - Total: 36 credits

Course Code	Course	Credits	Transfer?
	School Sponsored Course (SSC) – H, SA, S&T	9	No
	Common Core – Humanities (H)	3	Yes
	Common Core – Social Analysis (SA)	3	Yes
	Common Core – Science & Technology (S&T)	3	Yes
	Common Core – Quantitative Reasoning (QR)	3	No **(COMP2711)
	Common Core – Electives (H,SA,S&T,QR,Arts)	6	No **
	Chinese Communications	3	
LANG1002/1003	English Communications	6	
HLTH1010	Healthy Lifestyle	0	No

For Option 1 = 16 + 39 + 18 + 36 = 109 (needs 11 credits from free elective)

For Option 2 = 18 + 39 + 18 + 36 = 111 (needs 9 credits from free elective)