Computer Science Sample Schedule

	Total	Term:							
	Credit Hours	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Subjects Required by all Programs (55 hours)									
Mathematics 115, 116, and 2141	12	4	4	-	-	4	-	-	-
Mathematics 215 or 2162	4	-	-	-	4	-	-	-	-
Engineering 100, Introduction to Engineering	4	-	4	-	-	-	-	-	-
Engineering 101, Introduction to Computers	4	4	-	-	-	-	-	-	-
Chemistry 125/126 and 130 or Chemistry 210 and 211	5	5	-	-	-	-	-	-	-
Physics 140 with Lab 141; Physics 240 with Lab 241	10	-	5	5	-	-	-	-	-
Intellectual Breadth	16	3	3	-	4	4	-	-	2
Program Subjects (26 hours)									
EECS 203 Discrete Mathematics or MATH 465 or MATH 565	4	-	-	4	-	-	-	-	-
EECS 280, Programming and Elementary Data Structures	4	-	-	4	-	-	-	-	-
EECS 281, Data Structures and Algorithms	4	-	-	-	4	-	-	-	-
EECS 370, Introduction to Computer Architecture	4	-	-	-	-	4	-	-	-
STATS 250 or STATS 412 or STATS 426 or EECS 301/401 or IOE 2653	3	-	-	-	3	-	-	-	-
EECS 376, Foundations of Computer Science	4	-	-	-	-	-	4	-	-
TCHNCLCM 300	1	-	-	-	1	-	-	-	-
EECS 496, Major Design Experience Professionalism	2	-	-	-	-	-	-	2	-
Major Design Experience (6 hours)									
Approved CS MDE course4	4	-	-	-	-	-	-	4	-
TCHNCLCM 497 or TCHNCLCM 496	2	-	-	-	-	-	-	2	-
Technical Electives (26 hours)									
Upper Level CS Technical Electives5	16	-	-	-	-	4	4	4	4
Flexible Technical Electives6,7	10	-	-		-	-	4	-	6
General Electives (15 hours)	15	-	-	3	-	-	4	4	4
Total	***128***	***16***	***16***	***16***	***16***	***16***	***16***	***16***	***16***

Revised: March 2020

Candidates for the Bachelor of Science in Engineering in Computer Science - B.S.E. in C.S. - must complete the program listed above. This sample schedule is an

Notes:

C- Rule: Among all requirements listed above (with the exception of general electives and Intellectual Breadth), a grade of C- or below is considered unsatisfactory. C or higher is required.

Credits from a course may only be used to fulfill a single requirement (no double counting).

1. The requirements for Math 214 can alternatively be satisfied by Math 217, 417, or 419.

2. If both Math 215 and Math 216 are taken, Math 216 can count as a Flexible Technical Elective.

3. Stats 250, STATS 280, EECS 301, and IOE 265 are 4-hour courses; if one of these is elected, the extra hour is counted toward General Electives.

4. An approved Computer Science (CS) Major Design Experience (MDE) course; see the appropriate CS Program Guide for the current list. TCHNCLCM 497 or 496 must be taken in the same term as the MDE (or after the MDE).

5. Upper Level CS Technical Electives (ULCS): approved Computer Science courses at the 300-level or higher. See the appropriate CS Program Guide for the current list.

6. Flexible Technical Electives (FTEs): Approved courses at the 200- or higher level. See the CS-Eng website for more information and current list.

7. A maximum of 4 hours of EECS 499/399 (or other upper-level directed/independent study) may be applied to Flexible Technical Electives; additional will count as general electives. Advisors can verify adherence to this policy in your record.