

Computer Engineering Sample Schedule	Total	Term:							
	Credit Hours	1	2	3	4	5	6	7	8
Subjects Required by all Programs (55 hours)									
Mathematics 115, 116, 215 and 216	16	4	4	-	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 ¹	5	5	-	-	-	-	-	-	-
Physics 140 with Lab 141; Physics 240 with Lab 241 ²	10	-	5	5	-	-	-	-	-
Intellectual Breadth	16	4	4	-	4	-	4	-	-
Program Subjects (32 hours)									
EECS 203, Discrete Mathematics	4	-	-	4	-	-	-	-	-
EECS 215, Introduction to Circuits ³	4	-	-	-	4	-	-	-	-
EECS 216, Introduction to Signals and Systems	4	-	-	-	-	4	-	-	-
EECS 270, Introduction to Logic Design	4	-	-	4	-	-	-	-	-
EECS 280, Programming and Elementary Data Structures	4	-	-	-	4	-	-	-	-
EECS 370, Introduction to Computer Organization	4	-	-	-	-	4	-	-	-
EECS 301, MATH 425, or STATS 412	3	-	-	-	-	-	3	-	-
TCHNCLCM 300 ⁴	1	-	-	-	-	1	-	-	-
TCHNCLCM 496 and EECS 496 ⁵	4	-	-	-	-	-	-	-	4
Technical Electives (28 hours)^{6,11}									
Flexible Technical Electives ⁷	7	-	-	-	-	-	-	5	2
EECS Elective ⁸	3	-	-	-	-	-	-	3	-
Core Electives ⁹	8	-	-	-	-	-	8	-	-
Upper Level CE Electives ¹⁰	10	-	-	-	-	-	-	4	6
General Electives (13-16 hours)	13-16	-	-	3	-	3	-	4	3
Total	128	17	17	16	16	16	15	16	15

Revised: April-17

Candidates for the Bachelor of Science in Engineering in Computer Engineering - B.S.E. in Compt. E. must complete the program listed above. This sample schedule is an example of one leading to graduation in eight terms.

Notes:

C- Rule: Among science, engineering and mathematics courses, a grade of C- or below is considered unsatisfactory.

¹If you have a satisfactory score or grade in Chemistry AP, A-Level, IB Exams or transfer credit from another institution for Chemistry 130/125/126 you will have met the Chemistry Core Requirement for the College of Engineering.

²If you have a satisfactory score or grade in Physics AP, A-Level, IB Exams or transfer credit from another institution for Physics 140/141 and 240/241 you will have met the Physics Core Requirement for the College of Engineering.

³EECS 215 must be preceded or accompanied by Physics 240.

⁴TCHNCLCM 300 can be taken independently of any EECS course, but it is a prerequisite for TCHNCLCM 496.

⁵TCHNCLCM 496 and EECS 496 must be elected concurrently with a Major Design Experience (MDE) course.

⁶Technical Electives: At least one of these classes must be an approved Major Design Experience Course. (See the EECS Undergraduate Advising Office for

⁷Unused credits from Upper Level CE Electives or EECS Elective courses may be used to satisfy this requirement.

⁸Unused credits from Upper Level CE Elective courses may be used to satisfy this requirement.

⁹Core Electives: 8 hours from the following list: EECS 281, EECS 312, EECS 373, EECS 351.

¹⁰Upper Level CE Electives: At least 10 hours Contact the EECS Undergraduate Advising Office for the current list. Must include at least one Major Design Experience course taken concurrently with EECS 496 and TCHNCLCM 496.

¹¹A maximum of 4 hours of EECS 499 may be applied to Technical Elective requirements and only in the area of Flexible Technical Electives. Anything