CS-Eng Sample Schedule

Below is an eight-semester (four-year) plan to help students envision how requirements may fit together over the course of their time at Michigan. This plan is only a sample; it is not necessary to follow the below plan exactly outside of following prerequisite chains. For more planning assistance, students should schedule an appointment with an advisor on the EECS undergraduate website.

	Total Credits	Terms							
		1	2	3	4	5	6	7	8
Subjects Required by all Programs (55 hours)									
Mathematics 115, 116, and 214[1]	12	4	4		4				
Mathematics 215 or 216[2]	4					4			
Engineering 100, Introduction to Engineering	4		4						
Engineering 101, Introduction to Computers[6]	4	4							
Chemistry [125/126 and 130] or Chemistry [210 and 211]	5	5							
Physics 140 and Lab 141	5		5						
Physics 240 and Lab 241	5			5					
Intellectual Breadth	16	4	4		4	4			
Program Subjects (26 hours)									
EECS 203, Discrete Mathematics (or MATH 465/565)	4			4					
EECS 280, Programming and Elementary Data Structures	4			4					
EECS 281, Data Structures and Algorithms	4				4				
EECS 370, Introduction to Computer Organization	4					4			
STATS 250 or STATS 206 or STATS 280 or STATS 412 or STATS 426 or EECS 301/401 or TO 301 or IOE 265	3						3		
EECS 376, Foundations of Computer Science	4					4			
TCHNCLCM 300	1						1		
EECS 496 (or ENGR 499-002, or COMPFOR 111 through WN25, or approved Special Topics sections)	2							2	
Major Design Experience (6 hours)									
Approved CS MDE course[3]	4							4	

	Total								
TCHNCLCM 497	2							2	
Technical Electives (26 hours)									
Upper Level CS Technical Electives[4]	16						4	4	8
Flexible Technical Electives[5]	10				4		4		2
General Electives (15 hours)	15			3			4	4	4
Total	128	17	17	16	16	16	16	16	14

Notes:

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, 419, or Robotics 101.
2. If both MATH 215 and MATH 216 are taken, MATH 216 can count as a Flexible Technical Elective.
3. See page 5 for the current list. TCHNCLCM 497 must be taken in the same or later semester as the MDE (preferably the same semester).
4. See page 5 for the current list.
5. A maximum of 4 credits of EECS 499/399 (or other upper-level directed/independent study) may count in Flexible Technical Electives; additional will count as general electives. Check with an advisor to ensure you are not in violation of this policy.
6. The requirement for ENGR 101 can also be satisfied by Engineering 151, EECS 180 AP credit, or Robotics 102