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.

	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 DATASCI 101 or STATS 280 or STATS 412 or STATS 426 or EECS 301 or ECON 451 or IOE 265 or TO 301 or MATH/STATS 425 or MATH/STATS 525 or MATH/STATS 526	**3**						**3**		
EECS 376, Foundations of Computer Science	**4**					**4**			
TCHNCLCM 300	**1**						**1**		

EECS 496 (or ENGR 499-002, or COMPFOR 111, or CSE 543, or COMM 349, or approved Special Topics sections)	**2**							**2**	
Major Design Experience (6 hours)									
Approved CS MDE course[3]	**4**							**4**	
TCHNCLCM 497	**2**							**2**	
Technical Electives (25 hours)									
Upper Level CS Technical Electives[4]	**15**						**4**	**4**	**7**
Flexible Technical Electives[5]	**10**				**4**		**4**		**2**
General Electives (16 hours)	**16**			**3**			**4**	**4**	**5**
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. This includes 12 credits of ULCS and 3 credits of Expanded ULCS. See page 3 of Program Guide for the current lists.
5. A maximum of 4 credits of EECS 499/399 (or other upper-level directed/independent study) may count in Flexible Technical Electives; additional credits 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, EECS 183, or Robotics 102