## 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	Terms								
	Credits	1	2	3	4	5	6	7	8	
Subjects Required by all Programs (55 hours)										
Mathematics 115, 116, and 214 <sup>1</sup>	12	4	4		4					
Mathematics 215 or 216 <sup>2</sup>	4					4				
Engineering 100, Introduction to Engineering	4		4							
Engineering 101, Introduction to Computers <sup>6</sup>	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	3						3			
STATS 426 or EECS 301/401 or TO 301 or IOE 265										
EECS 376, Foundations of Computer Science	4					4				
TCHNCLCM 300	1						1			
EECS 496 (or ENGR 499-002, or COMPFOR 111, CSE	2							2		
543, or approved Special Topics sections)										
Major Design Experience (6 hours)										

Approved CS MDE course <sup>3</sup>	4							4	
TCHNCLCM 497	2							2	
Technical Electives (25 hours)									
Upper Level CS Technical Electives <sup>4</sup>	15						4	4	7
Flexible Technical Electives <sup>5</sup>	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