

**Sample Course Sequence** (Full time students, 4-year, 11-semester plan, Fall, Winter, and Summer terms)

This Sample Course Sequence sheet shows *only one example* of how courses may be scheduled. Some courses may be taken before or after the semester they are listed, provided course [Pre-Requisites](#) <link> have been met.

Semester	Course	Prerequisites	Co-requisites
<b>FALL</b>	ENGR 126 with Lab (2 credits)	Placement into MATH 090	
(13 credits)	CHEM 144 with Lab (4)	High School Chemistry class	MATH 105 or higher
	MATH 115 (4)	Placement into MATH 115	
	Humanities or Beh/Soc Sciences (3)		
<b>Winter</b>	ENGR 100 with Lab (2)	Placement in MATH 105	
(13 credits)	MATH 116 (4)	MATH 115	
	CHEM 146 with Lab (4)	CHEM 144	
	COMP 105 (3)	Placement into COMP 105	
<b>Summer</b>	MATH 217 (2)	MATH 116	
(5 credits)	Humanities or Beh/Soc Sciences (3)		
<b>FALL</b>	MATH 205 (3)	MATH 116	
(13 credits)	PHYS 150 with Lab (4)		MATH 115
	ENGR 250 (3)	CHEM 144	CHEM 146, MATH 115
	IMSE 255 (3) (offered Fall only)	ENGR 100	
<b>Winter</b>	MATH 216 (3)	MATH 205	
(14 credits)	PHYS 151 with Lab (4)	PHYS 150	MATH 116
	ME 265 or ME 260 (4)	PHYS 150	MATH 205, ENGR 250
	COMP 270 (3)	COMP 105	
<b>Summer</b>	IMSE 317 (3)	MATH 116	
(6 credits)	Humanities or Beh/Soc Sciences (3)		
<b>FALL</b>	IMSE 4425 (4) (offered Fall only)	IMSE 317	
(15 credits)	IMSE 3005 (4) (offered Fall only)	MATH 217 or MATH 227	IMSE 317
	ECON 201 or ECON 202 (3)		
	IMSE 382 (4) (offered Fall only)	ENGR 250, ME 260 or 265	
<b>Winter</b>	Focus Area Elective (3-4)	Varies with specific course	
14-15 credits	IMSE 4545 (4) (Winter only)	IMSE 255	
	IMSE 4675 (4) (Winter only)	IMSE 317	
	IMSE 421 (3)	Junior standing (55 credits)	
<b>Summer</b>	Free electives (1-3)		
(4-6 credits)	upper-level Hum or Beh/Soc Sci (3)		
<b>FALL</b>	ECE 305 (4)	MATH 205, PHYS 151	MATH 217
(16 credits)	IMSE 4585 (4) (offered Fall only)	IMSE 317, IMSE 3005	
	Focus Area Elective (3-4)	Varies with specific course	
	IMSE 4951 (2)		ENGR 400
	ENGR 400 (3)	Senior standing (85 credits)	
<b>Winter</b>	IMSE 4795 (4) (Winter only)	IMSE 3005, COMP 270	
15-16 credits	Hum/BS/SS or restricted elective(3)		
	Focus Area Elective (3-4)	Varies with specific course	
	Focus Area Elective (3-4)	Varies with specific course	
	IMSE 4952 (2)	IMSE 4951	

➔ See **CURRICULUM REQUIREMENTS SHEET** for detailed course requirements, including those for the Humanities and Behavioral or Social Sciences courses. Online: [www.engin.umd.umich.edu/SRA/circ\\_requir.php](http://www.engin.umd.umich.edu/SRA/circ_requir.php)

➔ For courses needed for co-op see: [www.engin.umd.umich.edu/COOP/eligibility.php](http://www.engin.umd.umich.edu/COOP/eligibility.php) <link>