

**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 or higher	
13 credits	CHEM 144 with Lab (4)	High school chemistry class	MATH 105 or higher
	MATH 115 (4)	Placement into MATH 115	
	DDC –GEHA or GESB (3)		
<b>Winter</b>	ENGR 100 with Lab (2)	Placement into Math 105 or higher	
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	DDC –GEHA or GESB (3)		
<b>FALL</b>	MATH 205 (3)	MATH 116	
13 credits	PHYS 150 with Lab (4)	MATH 115 - recommended	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)
	IMSE 317 (3)	MATH 116	
<b>Summer</b>	COMP 270 (3)	COMP 105 and 35 credits completed	
6 credits	DDC –GEHA or GESB (3)		
<b>FALL</b>	IMSE 4425 (4) (offered Fall only)	IMSE 317	
15 credits	ECE 305 (4)	MATH 205, PHYS 151	MATH 217
	ECON 201 or ECON 202 (3)		
	IMSE 382 (4) (offered Fall only)	ENGR 250, ME 260 or 265	
<b>Winter</b>	IMSE 4815 (4) (Winter only) (or other U/L MFG choice)	IMSE 382	
15 credits	ME 230 (4)	MATH 116, PHYS 150, CHEM 144	
	IMSE 4675 (4) (Winter only)	IMSE 317	
	IMSE 421 (3)	Junior (55 credits) & Statistics	
<b>Summer</b>	*General Electives (3)		
6 credits	DDC –GEHA or GESB (3)		
<b>FALL</b>	*Technical Elective (3)	Varies with specific course	
15 credits	IMSE 4835 (4) (offered Fall only)	IMSE 382	
	IMSE 4951 (2)		ENGR 400
	ENGR 400 (3)	Senior standing (85 credits)	
	Additional course (see curriculum) (3)		
<b>Winter</b>	IMSE 4795 (4) (Winter only)	IMSE 317	
13 credits	IMSE 4952 (2)	IMSE 4951	
	*General Electives (3)		
	IMSE 4825 (4) (Winter only)	ME 265 or 260	

\*Total Technical Electives and General Electives minimum 9 credits and must include one Technical Elective course

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

➔ 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>

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