

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
FALL	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	
	DDC –GEHA or GESB (3)		
Winter	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	
Summer	MATH 217 (2)	MATH 116	
5 credits	DDC –GEHA or GESB (3)		
FALL	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	
Winter	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 and 35 credits completed	
Summer	IMSE 317 (3)	MATH 116	
6 credits	DDC –GEHA or GESB (3)		
FALL	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 260/265	
Winter	*Focus Area Elective (4)	Varies with specific course	
15 credits	IMSE 4545 (4) (Winter only)	IMSE 255	
	IMSE 4675 (4) (Winter only)	IMSE 317	
	IMSE 421 (3)	Junior (55 credits) & Statistics	
Summer	Additional course (see curriculum) (3)		
6 credits	DDC –GEHA or GESB (3)		
FALL	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)	Varies with specific course	
	IMSE 4951 (2)		ENGR 400
	ENGR 400 (3)	Senior standing (85 credits)	
Winter	IMSE 4795 (4) (Winter only)	IMSE 317, COMP 270	
12 credits	*Focus Area Elective (3)	Varies with specific course	
	*Free Elective (3)		
	IMSE 4952 (2)	IMSE 4951	

*Total Focus Area Electives and Free Electives minimum 13 credits and must include 10 credits Focus Area.

➔ 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

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