

**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 – 1</b>	CHEM 144 with Lab (4 credits)	One year of HS chemistry	MATH 105 or higher
13 credits	ENGR 126 with Lab (2)	Placement in MATH 090 or higher	
	MATH 115 (4)	Placement into MATH 115	
	DDC –GEHA or GESB (3)		
<b>Winter</b>	CHEM 146 with Lab (4)	CHEM 144	
13 credits	MATH 116 (4)	MATH 115	
	ENGR 100 with Lab (2)	Placement into MATH 105 or higher	
	COMP 105 (3)	Placement into COMP 105	
<b>Summer</b>	MATH 205 (3)	MATH 116	
5 credits	MATH 217 (2)	MATH 116	
<b>FALL – 2</b>	Math 216 (3)	MATH 205	
13 credits	PHYS 150 with Lab (4)	MATH 115-recommended	MATH 115
	ENGR 250 (3)	CHEM 144	CHEM 146, MATH 115
	DDC-GEHA or GESB (3)		
<b>Winter</b>	PHYS 151 with Lab (4)	PHYS 150	MATH 116
14 credits	ENGR 216 (2)	ENGR 100	ENGR 126, MATH 216, 217
	ME 230 (4)	MATH 116, CHEM 144, PHYS 150	
	ME 260 (4)	PHYS 150	ENGR 250, MATH 205/215
<b>Summer</b>	COMP 270 (3)	COMP 105 and 35 credits completed	
6 credits	ECON 201 or ECON 202 (3)		
<b>FALL – 3</b>	ME 325 (4)	ENGR 216, ME 230, ME 260	
15 credits	ECE 305 with Lab (4)	PHYS 151, MATH 205	MATH 217
	ME 345 (4)	MATH 216, ME 260	ENGR 216
	DDC –GEHA or GESB (3)		
<b>Winter</b>	ME 3601 (4)	ENGR 216, ME 260	
14 credits	ME 364 with Lab (3)	MATH 217, ENGR 216, ME 260	
	ME 349 with Lab (3)	ME 345 and ECE 305	
	ME 381 with Lab (4)	ME 230, ME 260, ENGR 250	
<b>Summer</b>	DDC – GEHA or GESB (3)		
7 credits	General electives (4)		
<b>FALL – 4</b>	ME 375 (4)	ME 325	ECE 305
14 credits	ME 442 with Lab (4)	ECE 305, ME 345	
	*ME Design Elective (3)	Varies with specific course	
	*IMSE 421 (D/T Elect. <b>and</b> GEIN) (3)	Knowledge of statistics, 55 credits	
<b>Winter</b>	ME 4671 (4)	ME 345, ME 3601, ME 375	ME 379
14 credits	DDC-GEIN (3)		
	ME 379 (3)	COMP 270, ME 325, ME 349	ME 375
	*ME Design or Technical Elective (4)	Varies with specific course	

\*Total of Design and Technical Electives minimum 10 credits and must include 1 Design 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 requirements, including those for the DDC (Dearborn Discovery Core) 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>