

**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 100 with Lab (2)	Placement into MATH 105 or higher	
	MATH 115 (4)	Placement into MATH 115	
	DDC –GEHA or GESB (3)		
<b>Winter</b>	ECE 273 with Lab (4)	ENGR 100	
15 credits	MATH 116 (4)	MATH 115	
	PHYS 150 with Lab (4)	MATH 115 - recommended	MATH 115
	COMP 105 (3)	Placement into COMP 105	
<b>Summer</b>	DDC –GEHA or GESB (3)		
5 credits	MATH 217 (2)	MATH 116	
<b>FALL - 2</b>	Math 205 (3)	MATH 116	
14 credits	PHYS 151 with Lab (4)	PHYS 150	MATH 116
	ECE 270 (4)	ENGR 100	
	DDC –GEHA or GESB (3)		
<b>Winter</b>	MATH 216 (3)	MATH 205	
14 credits	ECE 210 with Lab (4)	MATH 116	PHYS 151
	ECE 276 (4)	MATH 116	
	COMP 270 (3)	COMP 105 and 35 credits completed	
<b>Summer</b>	ECON 201 or ECON 202 (3)		
6 credits	DDC –GEHA or GESB (3)		
<b>FALL - 3</b>	ECE 3731 with Lab (4)	ECE 270, ECE 273	
15 credits	ECE 311 with Lab (4)	ECE 210, CHEM 144	COMP 270, ECE 270
	ECE 370 (4)	ECE 270	ECE 273
	IMSE 317 (3)	MATH 116	
<b>Winter</b>	ECE 375 (4)	ECE 270, ECE 273	ECE 276, ECE 3731
15 credits	ECE 473 (4)	ECE 3731 (or ECE 372)	
	ECE 471 (4)	ECE 3731 (or ECE 372), IMSE 317	
	*ECE Professional Elective (3)	Varies with specific course	
<b>Summer</b>	DDC -GEIN (3)	Varies with specific course	
3 credits			
<b>FALL - 4</b>	ECE 475 with Lab (4)	ECE 375	
13 credits	ECE 478 (4)	ECE 370, IMSE 317	
	*ECE Professional Elective (3)	Varies with specific course	
	ECE 4982 (2)	ECE 3731 (or ECE 372), ECE 375, senior, and one from ECE 471, 473, 475, 478	
<b>Winter</b>	*Approved Technical Elective (4)	Varies with specific course	
12 credits	ECE 4984 (2)	ECE 4982	
	*Approved Technical Elective (3)	Varies with specific course	
	ENGR 400 (CE req'd & GEIN) (3)	Senior standing (85 credits)	

\*Total Professional and Approved Electives minimum 13 credits and must include 2 Professional Electives.

➔ 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>