

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 - 1	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)		
Winter	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	
Summer	DDC – GEHA or GESB (3)		
5 credits	MATH 217 (2)	MATH 116	
FALL - 2	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)		
Winter	MATH 216 (3)	MATH 205	
13 credits	ECE 210 with Lab (4)	MATH 116	PHYS 151
	IMSE 317 (3)	MATH 116	
	COMP 270 (3)	COMP 105 and 35 credits completed	
Summer	ECON 201 or ECON 202 (3)		
6 credits	DDC – GEHA or GESB (3)		
FALL - 3	ECE 3731 with Lab (4)	ECE 270, ECE 273 (or CIS 310 alone)	
15 credits	ECE 311 with Lab (4)	ECE 210, CHEM 144	COMP 270
	ECE 3171 (4)	MATH 216	ECE 311, MATH217/227
	ECE 385 (3)	CHEM 144	ECE 311
Winter	ECE 450 (4)	ECE 3171, IMSE 317	
16 credits	ECE 460 with Lab (4)	ECE 3171	
	*ECE Professional Elective (4)	Varies with specific course	
	*Approved Technical Elective (4)	Varies with specific course	
Summer	DDC- GEIN (3)	Varies with specific course	
3 credits			
FALL - 4	ECE 480 with Lab (4)	ECE 3171 and (either Math 217 or 227)	
12 credits	ECE 4951 (3)	ECE 311, ECE 372	
	Approved physics (3)	Varies with specific course	
	ECE 4981 (2)	ECE 3171, ECE 3731, senior standing, and one from ECE 414, 415, 450, 460, 480, 4951	
Winter	*ECE Professional Elective (4)	Varies with specific course	
13 credits	ECE 4983 (2)	ECE 4981	
	*Approved Technical Elective (4)	Varies with specific course	
	ENGR 400 (EE req'd and GEIN) (3)	Senior standing (85 credits)	

*Total of Professional and Approved Tech. Electives minimum 16 credits and must include 2 courses from Professional Electives.

➔ See **CURRICULUM REQUIREMENTS SHEET** (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 <link>