

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 (13 credits)	CHEM 144 with Lab (4 credits)	One year of HS chemistry	MATH 105 or higher
	ENGR 100 with Lab (2)	Placement into MATH 105 or higher	
	MATH 115 (4)	Placement into MATH 115	
	Hum or Behavioral/Social Science (3)		
Winter (15 credits)	ECE 273(w/lab) (4)	ENGR 100	
	MATH 116 (4)	MATH 115	
	PHYS 150 w/ lab (4)		MATH 115
	COMP 105 (3)	Placement into COMP 105	
Summer (5 credits)	Hum or Behavioral/Social Science (3)		
	MATH 217 (2)	MATH 116	
FALL - 2 (14 credits)	Math 205 (3)	MATH 116	
	PHYS 151 w/lab (4)	PHYS 150	MATH 116
	ECE 270 (4)	ENGR 100	
	Hum or Behavioral/Social Science (3)		
Winter (13 credits)	MATH 216 (3)	MATH 205	
	ECE 210 w/ lab (4)	MATH 116	PHYS 151
	IMSE 317 (3)	MATH 116	
	COMP 270 (3)	COMP 105	
Summer (6 credits)	ECON 201 or ECON 202 (3)		
	Upper-level Hum or Beh/Soc Sci (3)		
FALL - 3 (15 credits)	ECE 372 w/lab (4)	ECE 270, ECE 273, COMP 270	
	ECE 311 w/lab (4)	ECE 210, CHEM 144	COMP 270
	ECE 317 (4)	MATH 216	ECE 311 and MATH 217 or 227
	ECE 385 (3)		ECE 311
Winter 14-16 credits	ECE Professional Elective (3-4)	Varies with specific course	
	ECE 480 w/lab (4)	ECE 317	
	ECE 450 (4)	ECE 317, IMSE 317	
	Approved Technical Elective (3-4)	Varies with specific course	
Summer (3 credits)	Hum, BS, SS, or restricted elective (3)	Varies with specific course	
FALL - 4 12 credits	ECE 460 w/lab (4)	ECE 317	
	ECE 4951 (3)	ECE 311, ECE 372	
	Approved physics (3)	Varies with specific course	
	ECE 4981 (2)	ECE 317, ECE 372, COMP 270, senior, one from ECE 414, 415, 450, 460, 480, 4951	
Winter 13-16 credits	ECE Professional Elective (3-4)	Varies with specific course	
	ECE 4983 (2)	ECE 4981	
	Approved Technical Elective (3-4)	Varies with specific course	
	Approved Technical Elective (2-3)	Varies with specific course	
	ENGR 400 (3)	Senior standing (85 credits)	

➔ See CURRICULUM REQUIREMENTS SHEET (www.engin.umd.umich.edu/SRA/circ_require.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>