

General Engineering – Program Sequence

Fall Semester			Spring Semester	
Year	Class	Crds.	Class	Crds.
1	PHEN 110 Intro to Physics and Engineering	2	PHEN 121 Classical Physics I	4
	CPSC 100 Intro to Computing	3	MATH 190 Calculus I	4
	CHEM 111 General Chemistry I	4	Gen. Ed.: U.S. Experience	3
	ENGL 121 English Composition	3	COMM 200 Fundamentals of Speech Comm.	3
	IDIS 100 First Year Seminar	1	PHEN 111 Career Development in Physics and Engineering	1
	Gen. Ed.: Health	2		
	Total credits	15	Total credits	15
2	PHEN 122 Classical Physics II	4	PHEN 203 Modern Physics	4
	PHEN 210 Statics	4	PHEN 211 Dynamics	3
	MATH 200 Calculus II	4	PHEN 235 Electronics	4
	Gen. Ed.: Artistic Understanding/Expression	3	MATH 310 Calculus III	3
			Gen. Ed.: International Perspectives	3
	Total credits	15	Total credits	17
3	PHEN 300 Material Science	4	PHEN 320 Thermodynamics	4
	PHEN 310 Optics	4	PHEN 330 Principles of Design	3
	PHEN 370 Electromagnetics	3	MATH 320 Differential Equations	3
	MATH 230 Linear Algebra & Vectors	3	Gen. Ed. Moral Inquiry	3
	Gen. Ed.: Religious Understanding	3	Free Elective or Eng. Elective	3
	Total credits	17	Total credits	16
4	PHEN 405 Signals & Systems	3	PHEN 415 Control Systems	3
	PHEN 410 Measurements	3	PHEN 420 Fluid Mechanics	4
	PHEN 435 Engineering Economics, Ethics, and Society	3	PHEN 495 Senior Project	3
	PHEN 490 Intro to Senior Project	1	Gen. Ed.: Western Traditions	3
	Gen. Ed.: Cultural Diversity	3		3
	Total credits	13	Total credits	16

Note 1: The above schedule includes all the General Education requirements provided that at least two writing unit courses are included. At least one writing unit course must be an upper level writing unit course.

Note 2: There is some flexibility to deviate from the above schedule for Gen Ed courses.

Note 3: It is strongly recommended that you follow the above schedule for all major courses and meet frequently with your academic advisor.

Note 4: Two credits are required for the General Education Health category. You can take 2 courses that are 1 credit each or 1 course that is 2 or 3 credits to satisfy this requirement.