

General Engineering Industrial Statistics Concentration (GENI)

Fall Year 1			Spring Year 1		
Course	Requirement Met	SH	Course	Requirement Met	SH
Chemistry 212, Principles of Chemistry I	GE Goal 3/Major	4	Chemistry 213, Principles of Chemistry II	GE Goal 3/Major	4
Math 212, Calculus 1	GE Goal 4/Major	4	Math 213, Calculus 2	GE Goal 4/Major	4
English 111, College Rdg/Wrt	GE Goal 1	4	Communication Studies 191	GE Goal 1	3
CME 102, Introduction to Engineering	Major	2	Physics 221, University Physics 1	GE Goal 3/Major	4
General Education Elective	GE Goal 5/6/7/8/9/10	3	Physics 231, University Physics 1B	Major	1
Orientation 100	GE	1	CME 182, Engineering Graphics and Design	Major	2
Notes: Start taking Math 212 and not Math 120 if ready			Notes:		
		Total SH			Total SH
		18			18
Fall Year 2			Spring Year 2		
Course	Requirement Met	SH	Course	Requirement Met	SH
Math 312, Multivariable Calculus	Major/CAI	4	DSCI 210, Data Science	Major	3
Physics 222, University Physics 2	GE Goal 3/Major	4	Math 313, Differential Equations	Major	4
General Education Elective	GE Goal 5/6/7/8/9/10	3	Computer Science 234, Algorithms and Pro	Major	4
CME 250, Statics	Major	3	CME 260, Mechanics of Materials	Major	3
Stat 303, Engineering Statistics	Major	3	General Education Elective	GE Goal 5/6/7/8/9/10	3
Notes:			Notes: Apply for admission to Engineering after completing Math 312		
		Total SH			Total SH
		17			17
Fall Year 3			Spring Year 3		
Course	Requirement Met	SH	Course	Requirement Met	SH
Physics 232, University Physics 2B	Major	1	CME 280 + 281, Properties of Materials	Major/WI	4
General Education Elective	GE Goal 5/6/7/8/9/10	3	Stat 321, Industrial Design of Experiments/	Major	3
MGMT 334 Operations Management	Major/CAI	3	Physics 340, Modern Physics	Major/WI	4
Stat 310, Intermediate Statistics	Major	3	Physics 328, Electrical Circuits and Measure	Major	4
Physics 320, Computational	Major	2			
GENI elective	Major E	3			
Notes: Can take CME 300 and then CME 270 in Spring; or Phys 350 and Phys 345 in sprin			Notes: If you haven't yet, talk to advisor about post graduation plans		
		Total SH			Total SH
		15			15
Fall Year 4			Spring Year 4		
Course	Requirement Met	SH	Course	Requirement Met	SH
Physics 455, Engineering Design	Major/OI	2	Physics 455, Engineering Design	Major/OI	2
CME 300, Thermo or Physics 350, Mechanic	Major	4	General Education Elective	GE Goal 5/6/7/8/9/10	3
CME 491A, Engineering Seminar	Major	0	Stat 360, Regression Analysis	Major	3
			CME 491B, Engineering Seminar	Major/OI	1
GENI elective	Major E	3	Stat 320, Statistical Quality Control/Econ 3	Major/CAI	3
General Education Elective	GE Goal 5/6/7/8/9/10	3	CME 270, Dynamics or Physics 345, Thermc	Major	4
Notes:			Notes: Apply for graduation		
		Total SH			Total SH
		12			16