

## Bachelor of Science in Industrial Engineering Suggested Plan of Study AY 2021-2022

	Fall	Winter	Spring	Key Course to have Completed
Freshman	Math 220-1	Math 220-2	Math 228-1	Math 220-1, 220-2, 228-1
	Gen Eng 205-1	Gen Eng 205-2	Gen Eng 205-3	COMP_SCI 111
	Communication Course	DTC 1	DTC 2	Gen Eng 205-1,2,3
	Basic Science	Basic Science	COMP_SCI 111	DTC 1, 2
Sophomore	Math 228-2	IEMS 303	IEMS 315	IEMS 202, 303, 313
	Gen Eng 205-4	IEMS 313	COMP_SCI 217	Math 228-2
	IEMS 202	Basic Science	Civ_Env 205	Gen Eng 205-4
	COMP_SCI 150	Theme	Basic Science	Civ_Env 205 COMP_SCI 150
Junior	IEMS 304	P&L or Tech Elec.	IEMS 394	IEMS 304, 315, 317
	IEMS 317	Tech Elective	Basic Engineering	IEMS 394
	P&L or Tech Elec.	Basic Engineering	P&L or Tech Elec.	
	Theme	Theme	Theme	
Senior	Theme	Tech Elective	Tech Elective	
	Technical Elective	Tech Elective	Theme	
	Unrestricted Elective	Unrestricted Elective	Unrestricted Elective	
	Unrestricted Elective	Theme	Unrestricted Elective	

- The plan above is a suggested plan only. Fulfillment of IE degree options has a high degree of flexibility, as long as prerequisite requirements are met, and as long as key requirements are completed on schedule as indicated above.
- All students are required to meet quarterly with a department advisor. Students should take advantage of these advisor meetings to plan courses to make appropriate and satisfactory degree progress. If you are a McCormick co-op student, you are especially encouraged to meet with your advisor to plan courses to accommodate your co-op schedule.
- A note about prerequisites:
  - Prerequisite chains include IEMS 202→303→304; and IEMS 202→315→317.
  - Math 228-2 is a co-req for IEMS 202, and IEMS 303 is a co-req for IEMS 315. “Co-req” means you must have either completed the course, or be concurrently enrolled.
  - IEMS 313 requires prior completion of CS 111; IEMS 303 requires prior completion of CS 150.
  - IEMS 394 requires prior completion of IEMS 202, 303, 304, 313, 315, 317, without exception.
- Although this is subject to change from year to year, in general:
  - IEMS 202, 317 are offered Fall/Winter
  - IEMS 315 and Civ\_Env 205 are offered Fall/Spring
  - IEMS 303, 304, 313 are offered every quarter
  - CS 111, 150, and 217 are offered every quarter
  - You should plan to take IEMS 394 in Junior Spring or Senior Fall. Delay until Senior Spring requires permission from the Dir. of Undergrad Studies. The course is not offered in winter.