

BSIE Layout
April 5, 2021

	Fall	hrs	Spring	hrs
Year 1	MATH 1451	4	Math 1452	4
	CHEM 1307	3	Phys 1408	4
	CHEM 1107	1	ENGR 2392	3
	ENGR 1110	1	ENGR 1320	3
	ENGR 1330	3	ENGL 1302	3
	ENGL 1301	3		
		15		17
Year 2	MATH 2450	4	MATH 2360	3
	CHEM 1308/1108 or PHYS 2401 or ZOOL 2403	4	ME 2207 - Graphics	2
	ME/CE 2301 - Statics	3	ME 3311 - Materials	3
	IE 2311 – Computing for IE	3	IE 2324 – Eng. Economics	3
	IE 2341 – Stat 1	3	IE 2401 – Work Design	4
			Oral Communications Elective	3
		17		18
Year 3	IE 3311 - OR1	3	IE 3301 – HF and Ergo	3
	IE 3329 – Project Mgt	3	IE 3312 – OR2	3
	IE 3342 – Stat 2	3	IE 3328 - Prod Sys Control	3
	IE 3351 – Man 1	3	IE 3346 - Quality	3
	HIST 2300	3	HIST 2301	3
	POLS 1301	3		
		18		15
Year 4	IE 4316 – Simulation	3	IE 4306 – Systems Safety	3
	IE 4351 - Facilities	3	IE 4320 – Systems Engineering	3
	IE 4352 – Man 2	3	IE 4333 - Senior Design	3
	IE/ENGR Elective	3	IE/ENGR Elective	3
	POLS 2306	3	Creative Arts Elective	3
		15		15

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IE Electives: IE 4358 (3D-Printing), IE 4322 (Management System Accounting), IE 4326 (Healthcare Management Engineering), IE 4331 (Special Topics in IE)

ENGR Electives: Fluids, Dynamics, Solids, Heat Transfer, Thermo, Thermo 2, Circuits

Pre-Requisite List

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IE 2311	None
IE 2341	Math 1452
IE 2401	IE 2341
IE 2324	Math 1451
IE 3329	IE 2341
IE 3311	Math 2360
IE 3342	IE 2341, Math 2450, Math 2360
IE 3301	IE 2401, IE 3342, ME/CE 2301
IE 3351	ME 2207, ME 3311
IE 3346	IE 2341
IE 3328	IE 2341, IE 3311
IE 3312	IE 2341
IE 4352	IE 3351
IE 4316	IE 3312
IE 4351	IE 3351, IE 3311
IE 4306	IE 2401
IE 4320	IE 3329
IE 4333	Final Semester
IE 4326	IE 2341
IE 4358	IE 3351