BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING PATTERN OF ATTENDANCE - CLASS OF 2023

Sample Only – Actual Curriculum Sequence May Deviate from Sample

		FALL			SPRING			SUMMER 1			SUMMER 2
	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4					
	CHEM1151	General Chem. for Engrs.	4		Physics 1 Engrs.	3					
Freshman	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1					
Year 1	GE1000	Intro to Eng'g.	1	PHYS1153	ILS for PHYS1151	1		Vacation			Vacation
	GE1501	Cornerstone Eng. 1	4		Cornerstone Eng. 2	4					
	ENGW1111	College Writing	4		General Elective	4					
	MATH2321	Calculus 3 for Engrs.	4		Diff. Eq./ Lin. Alg.	4					
	IE2310	Intro Ind. Eng'g	4		Eng'g Prob. Stat.	4					
Year 2	IE2311	Recitation for IE2310	0	IE4512	Eng'g Economy	4					
AA	IE3425	Eng'g Database	4		General Elective	4		Vacation			Со-ор
	IE3426	Recitation for IE3425	0		Intro to Eng'g, Co-op	1					
	***Elective	Science Elective	5		00,000						
	MATH2321	Calculus 3 for Engrs.	4								
	IE2310	Intro Ind. Eng'g	4								
	IE2311	Recitation for IE2310	0								
Year 2	IE3425	Eng'g Database	4		Со-ор			Со-ор			Vacation
BA	IE3426	Recitation for IE3425	0								
	***Elective	Science Elective	5								
	ENCP2000	Intro to Eng'g, Co-op	1								
				IE4516	Quality Assurance	4	Elective	General Elective	4		
				IE4515	Operations Research	4	Elective	General Elective	4		
Year 3		Со-ор		IE4510	Simulation Mod. & An.	4					Со-ор
AA		·			2 Adv. Writing for Prof.	4					
	MATH2341	Diff. Eq./ Lin. Alg.	4							Elective	General Elective
	*IE3412	Eng'g Prob. Stat.	4							Elective	General Elective
Year 3	IE4512	Eng'g Economy	4		Со-ор			Со-ор			
BA		Adv. Writing for Prof.	4		·						
				IE4525	Logistics & Supply Chain	4	MEIE4701	Capstone Design 1	1		
				IE4520	Stochastic Modeling	4	Elective	General Elective	4		
Year 4		C		IE4530	Mfg. Sys. & Techniques	4	Elective	General Elective	4		6
AA		Со-ор		IE4531	Lab for IE4530	1					Со-ор
				Elective	Technical Elective 1	4					
				ENCP3000	Prof. Issues In Eng'g,	1					
	<u>IE4516</u>	Quality Assurance	4							Elective	General Elective
	IE4515	Operations Research	4							Elective	General Elective
Year 4	<u>IE4510</u>	Simulation Mod. & An.	4		Co-on			Co-or			
BA	<u>IE4530</u>	Mfg. Sys. & Techniques	4		Со-ор			Со-ор			
	IE4531	Lab for IE4530	1								
	ENCP3000	Prof. Issues in Eng'g,	1								
			_	MEIE4702	Capstone Design 2	5					
				IE4522	Human Machine Systems	4					
Year 5		Со-ор		IE4523	Lab for IE4522	1					
AA	co-op			Elective	Technical Elective 2	4					
				Elective	General Elective	4					
		Logistics & Supply Chain		MEIE4702	Capstone Design 2	5					
	<u>IE4525</u>		4	IE4522	Human Machine Systems	4					
Vear 5	<u>IE4525</u> IE4520	Stochastic Modeling	4								
Year 5		Stochastic Modeling Technical Elective 1	4	IE4523	Lab for IE4522	1					
Year 5 BA	IE4520			IE4523	Lab for IE4522 Technical Elective 2	4					
	<u>IE4520</u> Elective	Technical Elective 1	4	IE4523							
	IE4520 Elective Elective	Technical Elective 1 General Elective	4 4	IE4523 Elective	Technical Elective 2	4				1/3/2017	7/13/20

*MATH3081 is an acceptable substitution for IE3412. The substitution is recommended for students minoring in Mathematics. **ENGW3315 is an acceptable substitution for engineering majors.

NUpath requirements, Interpreting Culture (IC), Societies and Institutions (SI) and Differences and Diversity (DD) are not explicitly satisfied by required engineering courses. Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

4/10/2017

Engineering Technical Elective - 2 required - Any IE, ME, MEIE, EMGT, OR, EECE, CIVE, or CHME that is not part of the Industrial Engineering core curriculum. Electives may be interchanged.
 Electives may be interchanged.
 Please consult with your Academic Advisor, found here.

 The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.

***Science Elective

Complete one of the following:
PHYS 1155 Physics for Engineering 1
and PHYS 1156 Lab for PHYS 1155
and PHYS 1157 Interactive Learning Seminar for PHYS 1155
CHEM 1214 General Chemistry 2
and CHEM 1215 Lab for CHEM 1214
and CHEM 1216 Recitation for CHEM 1214
CHEM 2311 Organic Chemistry 1
and CHEM 2312 Lab for CHEM 2311
and CHEM 2319 Recitation for CHEM 2311
BIOL 1115 General Biology 1 for Engineers
and BIOL 1116 Lab for BIOL 1115
BIOL 1117 Integrated Anatomy and Physiology 1
and BIOL 1118 Lab for BIOL 1117