

**BS/MS IN INDUSTRIAL ENGINEERING**  
**CURRICULUM OUTLINE - CLASS OF 2016**  
**PATTERN: YD**

	FALL		SPRING		SUMMER 1		SUMMER 2		
Year 1	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4			
	CHEM1151	General Chem for Engrs.	4	PHYS1151	Physics 1 for Engrs.	3			
	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1			
	GE1000	Intro. to Eng'g.	1	PHYS1153	ILS for PHYS1151	1			
	GE1110	Eng'g. Design	4	GE1111	Eng'g. Prob. Solv. & Comp.	4	Vacation	Vacation	
	NU Core	Arts or Humanities Lvl. 1	4	ENGL1111	College Writing	4			
Year 2	MATH2321	Calculus 3 for Engrs.	4	MATH2341	Diff. Eq./Lin. Alg.	4			
	PHYS1155	Physics 2 for Engrs.	3	NU Core	Social Science Lvl. 1	4			
	PHYS1156	Physics 2 Lab	1	IE3412	Eng'g. Prob. & Stat.	4			
	PHYS1157	ILS for PHYS1155	1	IE4512	Eng'g. Economy	4	Vacation	Co-op	
	IE2310	Intro. Ind. Eng'g.	4	MEIE2000	Intro. to Eng'g. Co-op	1			
	IE3425	Eng'g. Database	4						
Year 3		Co-op		IE4515	Operations Research	4	*ENGL3302	Adv. Writing for Prof.	4
				IE4516	Quality Assurance	4	Elective	Technical Elective 2	4
				IE4522	Human Machine Sys.	4			
				IE4523	Lab for IE4522	1			
				Elective	General Elective 1	4			
Year 4		Co-op		IE4510	Digital Sim. Tech.	4		Grad Course	4
				IE4525	Logistic Supply Chain	4	MEIE4701	Capstone Design 1	1
				MEIE3000	Prof. Issues in Eng'g.	1			
					Grad Course	4			
Year 5					Grad Course	4			
	IE4530	Mfg. Sys. & Techniques	4	MEIE4702	Capstone Design 2	5			
	IE4531	Lab for IE4530	1	IE4520	Stochastic Modeling	4			
	Elective	Technical Elective 3	4		Grad Course	4			
	Grad Course	4		Grad Course	4				
	Grad Course	4							

6/3/2011  
1/18/2012  
1/24/2012  
2/8/2012

\*ENGL3301 is an acceptable substitution for engineering majors

NU Core Elective Requirements: 2 required- (one Arts or Humanities Lvl. 1 Elective AND one Social Science Lvl.1 Elective)

General Electives: 4 required - any 4 SH course that is not remedial or repetitive

Engineering Technical Electives: 3 required - any course from the following disciplines that is not a required course in the IE curriculum: IE, ME, MEIE, EMGT, OR, EECE, CIVE or CHME or CSYE

Electives may be interchanged. Please consult with your advisor: Joy Erb, 220SN, 617-373-2154, j.erb@neu.edu

**Notes:**

Coursework must be completed with a minimum GPA of 3.4 to join the program.

Students will be required to meet with an undergraduate advisor and a graduate advisor to petition to enter the program.

Students are encouraged to meet with their financial aid counselor and a customer service representative to review any financial questions.