

**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING  
CURRICULUM OUTLINE - CLASS OF 2014**

**PATTERN: AA**

	FALL	SPRING	SUMMER 1	SUMMER 2
<b>Year 1</b>	MATH1341 Calculus 1 for Engrs. 4 CHEM1151 General Chem for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 GE1110 Eng'g. Design 4 GE1000 Intro. to Eng'g. 1 NU Core Arts or Humanities Lvl. 1 4	MATH1342 Calculus 2 for Engrs. 4 PHYS1151 Physics 1 for Engrs. 4 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 0 GE1111 Eng'g. Prob. Solv. & Comp. 4 ENGL1111 College Writing 4	Vacation	Vacation
<b>Year 2</b>	MATH2321 Calculus 3 for Engrs. 4 PHYS1155 Physics 2 for Engrs. 4 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 0 IE2310 Intro. Ind. Eng'g. 4 IE3412 Eng'g. Prob. & Stat. 4	MATH2341 Diff. Eq./Lin. Alg. 4 IE3420 Comp. Info. Sys. 4 IE4510 Digital Sim. Tech. 4 IE4516 Quality Assurance 4 MEIE2000 Intro. to Eng'g. Co-op 1	Vacation	Co-op
<b>Year 3</b>	Co-op	*ENGL3302 Adv. Writing for Prof. 4 IE3425 Eng'g. Database 4 IE4515 Operations Research 4 Elective General Elective 1 4	Elective General Elective 2 4 NU Core Social Science Lvl. 1 4	Co-op
<b>Year 4</b>	Co-op	IE4512 Eng'g. Economy 4 IE4525 Logistic Supply Chain 4 IE4530 Mfg. Sys. & Techniques 4 IE4531 Lab for IE4530 1 Elective Technical Elective 1 4 MEIE3000 Prof. Issues in Eng'g. 1	Elective General Elective 3 4 Elective General Elective 4 4 MEIE4701 Capstone Design 1 1	Co-op
<b>Year 5</b>	Co-op	MEIE4702 Capstone Design 2 5 IE4522 Human Machine Sys. 4 IE4523 Lab for IE4522 1 IE4520 Stochastic Modeling 4 Elective Technical Elective 2 4		

5/12/2010  
6/8/2011

\*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: 2 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

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