

**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING**

**CURRICULUM OUTLINE - CLASS OF 2012**

**PATTERN: AA**

	FALL	SPRING	SUMMER 1	SUMMER 2
<b>Year 1</b>	<b>MATH1341</b> Calculus 1 for Engrs. 4 <b>CHEM1151</b> General Chem. For Engrs. 4 <b>CHEM1153</b> Recitation for CHMU151 0 <b>GE1110</b> Eng'g. Design 4 <b>GE1000</b> Intro. to Eng'g. 1 <b>NU Core</b> Arts or Humanities Lvl. 1 4	<b>MATH1342</b> Calculus 2 for Engrs. 4 <b>PHYS1151</b> Physics 1 for Engrs. 4 <b>PHYS1152</b> Physics 1 Lab 1 <b>PHYS1153</b> ILS for PHYU151 0 <b>GE1111</b> Eng'g. Prob. Solv. & Comp. 4 <b>ENGL1111</b> College Writing 4	Vacation	Vacation
<b>Year 2</b>	<b>MATH1341</b> Calculus 3 for Engrs. 4 <b>PHYS1155</b> Physics 2 for Engrs. 4 <b>PHYS1156</b> Physics 2 Lab 1 <b>PHYS1157</b> ILS for PHYU155 0 <b>IE2310</b> Intro. Ind. Eng'g. 4 <b>IE3412</b> Eng'g. Prob. & Stat. 4	<b>MATH2341</b> Diff.Eq./Lin. Alg. 4 <b>IE3420</b> Comp. Info. Sys. 4 <b>IE4510</b> Digital Sim. Tech. 4 <b>IE4516</b> Quality Assurance 4 <b>MEIE2000</b> Intro. to Eng'g. Co-op 1	Vacation	Co-op
<b>Year 3</b>	Co-op	<b>*ENGL3302</b> Adv. Writing for Prof. 4 <b>IE3425</b> Eng'g. Database 4 <b>IE4515</b> Operations Research 4 Elective General Elective 1 4	Elective General Elective 2 4 <b>NU Core</b> Social Science Lvl. 1 4	Co-op
<b>Year 4</b>	Co-op	<b>IE4512</b> Eng'g. Economy 4 <b>IE4525</b> Logistic Supply Chain 4 <b>IE4530</b> Mfg. Sys. & Techniques 4 <b>IE4531</b> Lab for IE4530 1 Elective Technical Elective 1 4 <b>MEIE3000</b> Prof. Issues in Eng'g. 1	Elective General Elective 3 4 Elective General Elective 4 4 <b>MEIE4701</b> Capstone Design 1 1	Co-op
<b>Year 5</b>	Co-op	<b>MEIE4702</b> Capstone Design 2 5 <b>IE4522</b> Human Machine Sys. 4 <b>IE4523</b> Lab for IE4522 1 <b>IE4520</b> 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