

**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2013**

PATTERN: BA

| | FALL | SPRING | SUMMER 1 | SUMMER 2 |
|---------------|--|--|----------|--|
| Year 1 | MATH1341 Calculus 1 for Engrs. 4 CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHMU151 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 PHYU151 0 GE1111 Eng'g. Prob. Solv. & Comp. 4 ENGL1111 College Writing 4 | Vacation | Vacation |
| Year 2 | 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 MEIE2000 Intro. to Eng'g. Co-op 1 | Co-op | Co-op | Elective General Elective 1 4 NU Core Social Science Lvl. 1 4 |
| Year 3 | MATH2341 Diff. Eq./Lin. Alg. 4 IE4510 Digital Sim. Tech. 4 IE4516 Quality Assurance 4 IE3420 Comp. Info System 4 | Co-op | Co-op | *ENGL3302 Adv Writing for Prof. 4 Elective General Elective 2 4 |
| Year 4 | IE3425 Eng'g. Database 4 IE4515 Operations Research 4 IE4530 Mfg. System & Tech. 4 IE4531 Mfg. Lab 1 Elective Technical Elective 1 4 MEIE3000 Prof. Issues in Eng'g. 1 | Co-op | Co-op | Vacation |
| Year 5 | IE4512 Eng'g. Economy 4 IE4525 Logistic Supply Chain 4 Elective Technical Elective 2 4 Elective General Elective 3 4 MEIE4701 Capstone Design 1 1 | MEIE4702 Capstone Design 2 5 IE4522 Human Machine Sys. 4 IE4523 Lab for IE4522 1 IE4520 Stochastic Modeling 4 Elective General Elective 4 4 | | |

5/12/2010
6/7/2011

*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, CHME OR CSYE

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