

**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2012, 2013, 2014, 2015**

	FALL	SPRING	SUMMER 1	SUMMER 2
Freshman Year 1	MATH1341 Calculus 1 for Engrs. 4 CHEM1151 General Chem. for Engrs. 4 CHEM1153 Recitation for CHEM1151 0 GE1000 Intro to Eng'g. 1 GE1110 Eng'g. Design 4 NU CORE Arts or Humanities Lvl. 1 4	MATH1342 Calculus 2 for Engrs. 4 PHYS1151 Physics 1 Engrs. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 GE1111 Eng'g. Prob. Solv. & Comp. 4 ENGL1111 College Writing 4	Vacation	Vacation
Year 2 AA	MATH2321 Calculus 3 for Engrs. 4 BIOL1115 Biology 4 BIOL1116 Lab for BIOL1115 1 PHYS1155 Physics 2 for Engrs. 4 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 0 ME2350 Eng'g Mech & Design 4	MATH2341 Diff. Eq./ Lin. Alg. 4 ME2340 Material Science 4 ME2341 Lab for ME2340 1 ME2355 Mech. of Materials 4 ME2356 Lab for ME2355 1 ME2380 Thermodynamics 4 MEIE2000 Intro to Eng'g, Co-op 1	Vacation	Co-op
Year 2 BB	MATH2321 Calculus 3 for Engrs. 4 BIOL1115 Biology 4 BIOL1116 Lab for BIOL1115 1 PHYS1155 Physics 2 for Engrs. 3 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 1 ME2350 Eng'g, Mech. & Design 4 MEIE2000 Intro to Eng'g, Co-op 1	Co-op	Co-op	Vacation
Year 3 AA	Co-op	EECE2210 Elect. Engineering 4 EECE2211 Lab for EECE2210 1 ME3455 Dynamics & Vib. 4 ME3456 Lab for ME3455 1 ME4508 ME Computation 4 *ENGL3302 Adv. Writing for Prof. 4	ME3475 Fluid Mech. 4 NU CORE Social Science Lvl. 1 4	Co-op
Year 3 BB	MATH2341 Diff. Eq./ Lin. Alg. 4 ME2340 Material Science 4 ME2341 Lab for ME2340 1 ME2355 Mech. of Materials 4 ME2356 Lab for ME2355 1 ME2380 Thermodynamics 4	Co-op	Co-op	ME3475 Fluid Mech. 4 *ENGL3302 Adv. Writing for Prof. 4
Year 4 AA	Co-op	ME4505 Meas. Anal. Thermal 4 ME4506 Lab for ME4505 1 ME4555 Sys. Anal. & Control 4 ME4570 Ther. Sys. Anal. Design 4 MEIE3000 Prof. Issues In Eng'g, 1 Elective General Elective 1 4	ME4550 ME Design 4 MEIE4701 Capstone Design 1 Elective General Elective 2 4	Co-op
Year 4 BB	ME3455 Dyn. & Vibration 4 ME3456 Lab for ME3455 1 ME4505 Meas. Anal. Thermal 4 ME4506 Lab for ME4505 1 ME4508 ME Comp. 4 ME4570 Ther. Sys. Anal. Design 4	Co-op	Co-op	ME4550 ME Design 4 MEIE4701 Capstone 1 1 NU CORE Social Science Lvl. 1 4
Year 5 AA	Co-op	MEIE4702 Capstone Design 2 5 Elective MIE Technical Elective 4 Elective General Elective 3 4 Elective General Elective 4 4		
Year 5 BB	EECE2210 Elec. Engineering 4 EECE2211 Lab for EECE2210 1 ME4555 Syst. Analysis & Control 4 MEIE4702 Capstone Design 2 5 MEIE3000 Prof. Issues in Eng'g, 1 Elective General Elective 1 4	Elective MIE Technical Elective 4 Elective General Elective 2 4 Elective General Elective 3 4 Elective General Elective 4 4		

Revised 2/6/2012

* ENGL3301 is an acceptable substitution for engineering majors.

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

MIE Technical Elective - 1 required - Any ME, IE or EMGT class that is not part of the Mechanical Engineering core curriculum.

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

Electives may be interchanged. Please consult with your advisor : Roy Dalsheim - 334 Snell, 617-373-4120, dalsheim@coe.neu.edu