

**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2011**

| | FALL | SPRING | SUMMER 1 | SUMMER 2 |
|------------------------------|--|---|---|---|
| Year 1 | MTHU241 Calculus 1 for Engrs. 4 CHMU151 General Chem. for Engrs 4 CHMU153 Recitation for CHMU151 0 GEU100 Intro to Eng'g 1 GEU110 Eng'g Design 4 Elective Gen. Educ.(Historical) 4 | MTHU242 Calculus 2 for Engrs. 4 PHYU151 Physics 1 Engrs 4 PHYU152 Physics 1 Lab 1 PHYU153 Recitation for PHYU151 0 GEU111 Eng'g. Prob. Solv.& Comp. 4 ENGU111 College Writing 4 | Vacation | Vacation |
| Year 2 AA (formerly A) | MTHU341 Calculus 3 for Engrs. 4 BIOU111 Biology 4 BIOU112 Lab for BIOU111 1 PHYU155 Physics 2 Engrs 4 PHYU156 Physics 2 Lab 1 PHYU157 Recitation for PHYU155 0 MIMU350 Eng'g Mech & Design 4 | MTHU343 Diff. Eq./ Lin. Alg. 4 MIMU340 Material Science 4 MIMU341 Lab for MIMU340 1 MIMU355 Mech. of Materials 4 MIMU356 Lab for MIMU355 1 MIMU380 Thermodynamics 4 MIMU300 Intro to Eng'g. Co-op 1 | Vacation | Co-op |
| Year 2 BB (formerly N) | MTHU341 Calculus 3 for Engrs. 4 BIOU111 Biology 4 BIOU112 Lab for BIOL1111 1 PHYU155 Physics 2 Engrs 4 PHYU156 Physics 2 Lab 1 PHYU157 Recitation for PHYU155 0 MIMU350 Eng'g. Mech. & Design 4 MIMU300 Intro to Eng'g. Co-op 1 | Co-op | Co-op | Vacation |
| Year 3 AA (formerly A) | Co-op | ECEU210 Elect. Engineering 4 ECEU211 Lab for ECEU210 1 MIMU455 Dynamics & Vib. 4 MIMU456 Lab for MIMU455 1 MIMU508 ME Computation 4 *ENGU302 Adv. Writing 4 | MIMU475 Fluid Mech. 4 Elective Gen. Educ. (Soc/Cult) 4 | Co-op |
| Year 3 BB (formerly N) | MTHU343 Diff. Eq./ Lin. Alg. 4 MIMU340 Material Science 4 MIMU341 Lab for ME2340 1 MIMU355 Mech. of Materials 4 MIMU356 Lab for ME2355 1 MIMU380 Thermodynamics 4 | Co-op | Co-op | MIMU475 Fluid Mech. 4 *ENGU302 Adv. Writing 4 |
| Year 4 AA (formerly A) | Co-op | ME4505 Meas. Anal. Thermal 4 ME4506 Lab for MIMU505 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 (formerly N) | 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 Elective Gen. Educ. (Soc/Cult) 4 |
| Year 5 AA (formerly A) | 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 (formerly N) | 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 6/18/10

* ENGL3301 is an acceptable substitution for engineering majors.

General Education Elective Requirements: 2 required-One Historical and one Social/Cultural elective.

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

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

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