

**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
CURRICULUM OUTLINE - CLASS OF 2016, 2017, 2018**

Sample Only – Actual Curriculum Sequence May Deviate from Sample

	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 ENGW1111 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. 3 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 1 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 *ENGW3302 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 *ENGW3302 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 4/14/2014

[* ENGW3315](#) is an acceptable substitution for engineering majors.

English course prefixes have changed from ENGL to ENGW. ENGW1111 is equivalent to ENGL1111. ENGW3302 is equivalent to ENGL3302. Effective Fall 2014, the ENGW 3301 course number will be retired. Students may take ENGW 3302 or ENGW 3315 to fulfill their Advanced Writing in the Technical Professions requirement. ENGW 3301 will still count towards the Advanced Writing in the Technical Professions requirement if the course was taken prior to Fall 2014.

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 :

Last Names A-K: Roy Dalsheim - 220 Snell, 617-373-4120, dalsheim@coe.neu.edu

Last Names L-Z: Laura Kenney - 220 Snell, 617-373-2154, lkenney@coe.neu.edu

The registrar's website provides a listing of degree requirements and the DARS system provides a degree audit utility for students.