

**BACHELOR OF SCIENCE IN BIOENGINEERING - 4 Year 2 Co-op Plan  
CURRICULUM OUTLINE - CLASS OF 2023**

*Sample Only – Actual Curriculum Sequence May Deviate from Sample*

	FALL	SPRING	SUMMER 1	SUMMER 2
<b>Freshman Year 1</b>	<a href="#">MATH1342</a> Calculus 2 for Engrs. 4	<a href="#">GE2361</a> Math. Methods for Engrs. 4	Elective General Elective 4	Vacation
	<a href="#">CHEM1151</a> General Chem. for Engrs. 4	<a href="#">PHYS1171</a> Physics 1 for BioE 3	Elective General Elective 4	
	<a href="#">CHEM1153</a> Recitation for CHEM1151 0	<a href="#">PHYS1172</a> Physics 1 Lab 1		
	<a href="#">GE 1501</a> Cornerstone of Eng'g. 1 4	<a href="#">PHYS1173</a> ILS for PHYS1151 1		
	<a href="#">GE 1000</a> Intro. to Eng'g. 1	<a href="#">GE 1502</a> Cornerstone of Eng'g. 2 4		
	<a href="#">ENGW1111</a> College Writing 4	Elective General Elective 4		
<b>Year 2 (MC)</b>	<a href="#">BIOE2365</a> BioE Meas. Exp. & Stats. 4	<a href="#">BIOE2000</a> Intro to Eng'g, Co-op 1	<a href="#">BIOE3310</a> Transport & Fluids 4	Co-op
	<a href="#">BIOE2366</a> Lab for BIOE2365 1	<a href="#">BIOE2350</a> Biomechanics 4	Elective General Elective 4	
	<a href="#">BIOL1115</a> Biology 4	<a href="#">BIOE2355</a> Quant. Physiology for BioE 4		
	<a href="#">BIOL1116</a> Lab for BIOL1115 1	<a href="#">CHEM2311</a> Organic Chemistry 1 4		
	<a href="#">PHYS1175</a> Physics 2 for BioE 3	<a href="#">CHEM2312</a> Lab for CHEM2311 1		
	<a href="#">PHYS1176</a> Physics 2 Lab 1	<a href="#">CHEM2319</a> Recitation for CHEM2311 0		
	<a href="#">PHYS1177</a> ILS for PHYS1175 1	Elective General Elective 4		
	Elective General Elective 4			
<b>Year 3 (MC)</b>	Co-op	<a href="#">BIOE3000</a> Prof. Issues in Eng'g. 1	<a href="#">BIOE4790</a> Capstone Design 1 4	Co-op
		<a href="#">BIOE3210</a> Bioelectricity 4	Elective General Elective 4	
		<a href="#">BIOE3380</a> Biomol. Dynamics & Ctrl. 4		
		Elective BioE Elective 1 4		
		Elective BioE Elective 2 4		
<b>Year 4 (MC)</b>	<a href="#">ENGW3302</a> Adv Writing in the Tech Prof 4 <i>(to be taken online)</i>	<a href="#">BIOE4792</a> Capstone Design 2 4		
		Elective BioE Elective 3 4		
	Co-op	Elective BioE Elective 4 4		
		Elective BioE Elective 5 4		

Revised 4/9/19

You will need to have AP credit for Calc. AB (MATH1341 - Calculus 1 - 4 SH) - see academic advisor

\* ENGW3315 is an acceptable substitution for engineering majors.

NUPath Interpreting Culture (IC), Societies and Institutions (SI), Differences and Diversity (DD), Integration Experience (EX) are not explicitly satisfied by required courses.

Students are responsible for satisfying these requirements, and if these are not fulfilled in engineering courses, should use General Electives to do so.

General Electives are academic, non-remedial, non-repetitive courses.

BIOE Concentrations: Biomedical Devices & Bioimaging, Cell & Tissue Engineering, or Biomechanics.

BIOE Electives are used to fulfill the concentration. Total of 5 courses from approved list

Please consult with your academic advisor:

Last Names A-C Meghan Severance, m.severance@northeastern.edu

Last Names D-Z Eve Young, e.young@northeastern.edu

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