

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING  
COMBINED MAJOR - ELECTRICAL ENGINEERING AND MUSIC (CONCENTRATION IN MUSIC TECHNOLOGY)  
CURRICULUM OUTLINE - CLASS OF 2022, 2023, 2024**

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

	FALL	SPRING	SUMMER 1	SUMMER 2
Year 1	<a href="#">MATH1341</a> Calculus 1 for Engrs. 4 <a href="#">CHEM1151</a> General Chem for Engrs. 4 <a href="#">CHEM1153</a> Recitation for CHEM1151 0 <a href="#">GE1000</a> Intro to Eng'g. 1 <a href="#">GE1501</a> Cornerstone of Engineering 1 4 <a href="#">ENGW1111</a> College Writing 4	<a href="#">MATH1342</a> Calculus 2 for Engrs. 4 <a href="#">PHYS1151</a> Physics 1 for Engrs. 3 <a href="#">PHYS1152</a> Physics 1 Lab 1 <a href="#">PHYS1153</a> ILS for PHYS1151 1 <a href="#">GE1502</a> Cornerstone of Engineering 2 4 MUST1220 Intro to Music Technology 4	Vacation	Vacation
Year 2 BB	<a href="#">MATH2341</a> Diff. Eq./Lin. Alg. 4 <a href="#">PHYS1155</a> Physic 2 for Engrs. 3 <a href="#">PHYS1156</a> Physics 2 Lab 1 <a href="#">PHYS1157</a> ILS for PHYS1155 1 <a href="#">EECE2150</a> Circuits/Signals: Biomed Apps. 5 MUST2431 Computer Music Fundamental 4 <a href="#">EECE2000</a> Intro to Eng'g. Coop 1	Co-op	Co-op	Vacation
Year 3 BB	<a href="#">MATH2321</a> Calculus 3 for Engrs. 4 <a href="#">EECE2160</a> Embedded Design: Enabling Robotc 4 EECExxxx EE Fundamentals 4/5 MUSC1001 Music Everyday Life 4	Co-op	Co-op	<a href="#">*ENGW3302</a> Adv. Writing Prof. 4 Elective General Elective 4
Year 4 BB	<a href="#">EECE3000</a> Prof. Issues in Eng'g. 1 EECExxxx EE Fundamentals 4/5 EECExxxx EE Fundamentals 4/5 MUSCxxxx Music Technology Elective 4 EECExxxx CE Fundamentals 4/5	Co-op	Co-op	Elective EECE Tech Elective 1 4 <a href="#">EECE4790</a> Capstone 1 4
Year 5 BB	<a href="#">EECE4792</a> Capstone Design 2 4 MUSCxxxx Music Technology Elective 4 <a href="#">EECE3468</a> Noise & Stoch. Proc. 4 MUSC1201 Music Theory 1 4	MUSC1202 Music Theory 2 4 MUSCxxxx Music in Context 4 *( <a href="#">EECE5697</a> Acoustics and Sensing 4 MUSCxxxx Music Elective) 4 OR *( <a href="#">EECExxxx</a> EECE Technical Elective 2 4 MUSC2350 Acoustics and Psychoacoustics) 4	<b>*CHOOSE EITHER:</b> EECE5697 AND MUSC ELECTIVE OR EECE TECHNICAL ELECTIVE AND MUSC2350	

Revised March/2018

The Capstone Design Courses are taken as follows: (EECE4790 - Summer 1 and EECE4792 - Spring) OR (EECE4790 - Summer 2 and EECE4792 - Fall)

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

NUPath requirements, Interpreting Culture (IC), Societies and Institutions (SI) and Differences and Diversity (DD) are not explicitly satisfied by required engineering 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.

1 Required General Elective

3 Required EE Fundamentals: EECE2412/2413 - Fundamentals Electronics 1 & lab AND EECE2520 - Fundamentals Linear Systems AND EECE 2530/2531 - Fundamentals Electromagnetics & lab

1 Required CE Fundamental: EECE2322/2323 - Fundamentals Digital Design & Lab OR EECE2540 - Fundamentals Networks OR EECE2560 - Fundamentals Algorithms

(CE Fundamentals not taken to meet the above requirement may also be taken as a technical elective. )

Technical Elective Requirements: 2 EECE technical electives.

EECE2322, (EECE2540-EECE2750), EECE3154, (EECE3324-EECE3410), (EECE4512-EECE4698), (EECE4991-EECE4993), (EECE5515-EECE5698), GE4608, ENGR5670

Please check with your advisor when taking a general elective in overlapping disciplines:

Last Name A-I: Jose Roman - j.roman@northeastern.edu

Last Name J-L: Krystal Ristaino - k.ristaino@northeastern.edu

Last Name M-Z: Nicole Diamond - n.diamond@northeastern.edu

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

Please select Music electives off the approved list of electives (see degree audit).