

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING  
COMBINED MAJOR - ELECTRICAL ENGINEERING AND MUSIC (CONCENTRATION IN MUSIC TECHNOLOGY)  
CURRICULUM OUTLINE - CLASS OF 2025**

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

	FALL	SPRING	SUMMER 1	SUMMER 2
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 GE1501 Cornerstone of Engineering 1 4 ENGW1111 College Writing 4	MATH1342 Calculus 2 for Engrs. 4 PHYS1151 Physics 1 for Engrs. 3 PHYS1152 Physics 1 Lab 1 PHYS1153 ILS for PHYS1151 1 GE1502 Cornerstone of Engineering 2 4 MUST1220 Intro to Music Technology 4	Vacation	Vacation
Year 2 BB	MATH2341 Diff. Eq./Lin. Alg. 4 PHYS1155 Physic 2 for Engrs. 3 PHYS1156 Physics 2 Lab 1 PHYS1157 ILS for PHYS1155 1 EECE2150 Circuits/Signals: Biomed Apps. 5 MUST2431 Computer Music Fundamental 4 ENCP2000 Intro to Eng'g. Coop 1	Co-op	Co-op	Vacation
Year 3 BB	MATH2321 Calculus 3 for Engrs. 4 EECE2160 Embedded Design: Enabling Robotic 4 EECExxxx EE Fundamentals 4/5 MUSC1001 Music Everyday Life 4	Co-op	Co-op	*ENGW3302 Adv. Writing Prof. 4 Elective General Elective 4
Year 4 BB	ENCP3000 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 EECE4790 Capstone 1 4
Year 5 BB	EECE4792 Capstone Design 2 4 MUSCxxxx Music Technology Elective 4 EECE3468 Noise & Stoch. Proc. 4 *MUSC1201 Music Theory 1 4	*MUSC1202 Music Theory 2 4 MUSCxxxx Music in Context 4 **([EECE569] Acoustics and Sensing 4 MUSCxxxx Music Elective) OR **(EECExxxx EECE Technical Elective 2 4 MUSC2350 Acoustics and Psychoacoustics) 4	**CHOOSE EITHER: EECE5697 AND MUSC ELECTIVE OR EECE TECHNICAL ELECTIVE AND MUSC2350	

Revised May/2020

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

**\*Substitutions**

MUSC1119 AND MUSC1201 OR MUSC1202 AND MUSC3541 are an acceptable substitution for MUSC1201 AND MUSC1202.

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), (EECE5115-EECE5698), GE4608, ENGR5670

**Music Technology Elective Requirements: 2 MUSC/MUST electives**

MUSC4510, MUST3540, MUST4520, MUST4610

Please speak with your academic advisor regarding possibilities of Dialogues of Civilization courses and study abroad.

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

[Find your Academic Advisor](#)

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).