BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
COMBINED MAJOR - ELECTRICAL ENGINEERING AND MUSIC (CONCENTRATION IN MUSIC TECHNOLOGY)
CURRICULUM OUTLINE - CLASS OF 2024
Sample Only – Actual Curriculum Sequence May Deviate from Sample

	FALL			SPRING			SUMMER 1			SUMMER 2		
Year 1	MATH1341	Calculus 1 for Engrs.	4	MATH1342	Calculus 2 for Engrs.	4	PHYS1155	Physic 2 for Engrs.	3			
	CHEM1151	General Chem for Engrs.	4	PHYS1151	Physics 1 for Engrs.	3	PHYS1156	Physics 2 Lab	1			
	CHEM1153	Recitation for CHEM1151	0	PHYS1152	Physics 1 Lab	1	PHYS1157	ILS for PHYS1155	1		Vacation	
	GE1000	Intro to Eng'g.	1	PHYS1153	ILS for PHYS1151	1	MATH2341	Diff. Eq./Lin. Alg.	4			
	GE1501	Cornerstone of Engineering 1	4	GE1502	Cornerstone of Engineering 2	4						
	ENGW1111	College Writing	4	MUST1220	Intro to Music Technology	4						
Year 2 BB	EECE2150	Circuits/Signals: Biomed Apps.	5	MUSC1001	Music Everyday Life	4						
	MUST2431	Computer Music Fundamental	4	EECE2160	Embedded Design: Enablng Robotic	4						
	MATH2321	Calculus 3 for Engrs.	4	EECExxxx	EE Fundamentals	4/5		Vacation			Co-op	
	Elective	General Elective	4	EECExxxx	EE Fundamentals	4/5						
				ENCP2000	Intro to Eng'g. Coop	1						
Year 3 BB				ENCP3000	Prof. Issues in Eng'g.	1				EECE4790	Capstone 1	4
				*ENGW3302	Adv. Writing Prof.	4						
		Co-op		Elective	EECE Tech Elective 1	4		Vacation				
				EECExxxx	CE Fundamentals	4/5						
				EECExxxx	EE Fundamentals	4/5						
Year 4 BB	EECE3468	Noise & Stoch. Proc.	4	*MUSC1202	Music Theory 2	4						
	EECE4792	Capstone Design 2	4	MUSCxxxx	Music in Context	4	**CHOOSE EITHER:					
	MUSCxxxx	Music Technology Elective	4	**(EECE5697	*Acoustics and Sensing*	4	EECE5697 **AND** MUSC ELECTIVE OR					
	*MUSC1201	Music Theory 1	4	*MUSCxxxx*	*Music Elective)*	4	EECE TECHNICAL ELECTIVE **AND** MUSC2350					
					OR							
				**(EECExxxx*	*EECE Technical Elective 2*	4						
				MUSC2350	*Acoustics and Psychoacoustics)*	4						

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 - Fundmentals 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 a second co-op, 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).