# 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

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## FALL

<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>1</td>
<td>MATH1341</td>
<td>Calculus I</td>
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<td>CHEM1151</td>
<td>General Chem.</td>
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<td>GE1000</td>
<td>Intro to Eng'g.</td>
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<td>ENGW1111</td>
<td>College Writing</td>
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## SPRING

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<td>MATH1342</td>
<td>Calculus II</td>
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<td>PHYS1151</td>
<td>Physics I</td>
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<td>PHYS1152</td>
<td>Physics II</td>
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<td>Physics 2 Lab</td>
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## SUMMER 1

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<td>PHYS1155</td>
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<td></td>
<td>MATH2341</td>
<td>Diff. Eq./Lin. Alg.</td>
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## SUMMER 2

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### Year 2

#### BB

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<tbody>
<tr>
<td>1</td>
<td>EECE2150</td>
<td>Circuits/Signals: Biomed. Apps.</td>
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<td>MUSC1001</td>
<td>Music Everyday Life</td>
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<td>EECE2140</td>
<td>Embedded Design: Enabling Robots</td>
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<td>EECExxxx</td>
<td>EE Fundamentals</td>
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<td>Intro to Eng'g. Coop</td>
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#### Co-op

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<td>2</td>
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<td>ENGW3302</td>
<td>Adv. Writing Prof.</td>
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<td>MUSC1201</td>
<td>Music Theory I</td>
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<td>MUSC1202</td>
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#### Elective

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<td>MUSC2350</td>
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**Vacation**

### Year 3

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### Year 4

#### BB

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<tbody>
<tr>
<td>1</td>
<td>EECE4468</td>
<td>Noise &amp; Stoch. Proc.</td>
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<tr>
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<td>EECE4792</td>
<td>Capstone Design 2</td>
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<td>MUSCxxxx</td>
<td>Music Technology Elective</td>
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<tr>
<td></td>
<td>ENGW2350</td>
<td>EE Fundamentals</td>
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**Vacation**

<table>
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<tr>
<th>Year</th>
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<tbody>
<tr>
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### Technical Elective

2 EECE technical electives.

### Music Technology Elective Requirements:

2 MUSC/MUST electives

**Revised May/2020**

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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
- EECE2520 - Fundamentals Linear Systems
- EECE2530/2531 - Fundamentals Electromagnetics & lab

### 1 Required CE Fundamental:

- EECE2322/2323 - Fundamentals Digital Design & Lab

### Technical Elective Requirements:

2 EECE technical electives.

### Music Technology Elective Requirements:

2 MUSC/MUST electives

Please speak with your academic advisor regarding possibilities of a second co-op, Dialogues of Civilization courses, and study abroad.

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).