### BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING
#### CURRICULUM OUTLINE - CLASS OF 2025

Sample Only – Actual Curriculum Sequence May Deviate from Sample

#### FALL  
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**Year 1**
- **MATH1341**: Calculus 1 for Engrs.
- **CHEM1151**: General Chem for Engrs.
- **CHEM1153**: Reactivation for CHEM1151
- **EE1100**: Intro to Eng'g.
- **ENGW1111**: College Writing
- **SE1901**: Cornerstone of Engineering 1
- **MATH1342**: Calculus 2 for Engrs.
- **PHYS1151**: Physics 1 for Engrs.
- **PHYS1152**: Physics 1 Lab
- **SE1153**: ILS for PHYS1151
- **SE1502**: Cornerstone of Engineering 2
- **ENCP1000**: Intro to Eng'g. Coop

**Year 2**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1154**: Physic 2 for Engrs.
- **PHYS1155**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective
- **MATH2321**: Calculus 3 for Engrs.
- **PHYS1156**: Physics 2 Lab
- **Physics 2 Lab**: ILS for PHYS1155
- **EECE2160**: Embedded Design: Enabling Robotic
- **Elective**: General Elective
- **Elective**: General Elective

**Year 3**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1155**: Physic 2 for Engrs.
- **PHYS1156**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective
- **ENCP2000**: Intro to Eng'. Coop
- **ENGW1302**: Adv. Writing Prof.

**Year 4**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1155**: Physic 2 for Engrs.
- **PHYS1156**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective
- **ENCP2000**: Intro to Eng'. Coop
- **EECE4790**: Capstone 1
- **Elective**: EECE Tech Elective 2

**Year 5**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1155**: Physic 2 for Engrs.
- **PHYS1156**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective

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#### SPRING  
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**Year 1**
- **MATH1342**: Calculus 2 for Engrs.
- **PHYS1151**: Physics 1 for Engrs.
- **PHYS1152**: Physics 1 Lab
- **PHYS1153**: ILS for PHYS1151
- **SE1502**: Cornerstone of Engineering 2
- **ENCP1000**: Intro to Eng'g. Coop

**Year 2**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1154**: Physic 2 for Engrs.
- **PHYS1155**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective
- **MATH2321**: Calculus 3 for Engrs.
- **PHYS1156**: Physics 2 Lab
- **Physics 2 Lab**: ILS for PHYS1155
- **EECE2160**: Embedded Design: Enabling Robotic
- **Elective**: General Elective
- **Elective**: General Elective

**Year 3**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1155**: Physic 2 for Engrs.
- **PHYS1156**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective
- **ENCP2000**: Intro to Eng'. Coop
- **ENGW1302**: Adv. Writing Prof.

**Year 4**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1155**: Physic 2 for Engrs.
- **PHYS1156**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective
- **ENCP2000**: Intro to Eng'. Coop
- **EECE4790**: Capstone 1
- **Elective**: EECE Tech Elective 2

**Year 5**
- **MATH2341**: Diff. Eqn./Lin. Alg.
- **PHYS1155**: Physic 2 for Engrs.
- **PHYS1156**: Physic 2 Lab
- **PHYS1157**: ILS for PHYS1155
- **EECE2150**: Circuits/Signals: Biomed Apps.
- **Elective**: General Elective

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#### SUMMER 1  
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**Year 1**
- **Vacation:**

**Year 2**
- **Vacation:**

**Year 3**
- **Co-op:**

**Year 4**
- **Co-op:**

**Year 5**
- **Co-op:**

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#### SUMMER 2  
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**Year 1**
- **Vacation:**

**Year 2**
- **Co-op:**

**Year 3**
- **Co-op:**

**Year 4**
- **Co-op:**

**Year 5**
- **Co-op:**

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#### Notes

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

* ENGWS315 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 they are not fulfilled in engineering courses, should use General Electives to do so. General Electives are academic, non-remedial, non-repetitive courses.

7 Required General Electives
1 Required CE Fundamental: EECE2322/3233 - Fundamentals Digital Design & Lab OR EECE2540 - Fundamentals Networks OR EECE2560 - Fundamentals Algorithms

Technical Elective Requirements: 4 EECE technical electives.
EECE2322, (EECE2540-EECE2750), EECE3154, (EECE3324-EECE3410), (EECE4512-EECE4698), (EECE4991-EECE4993), (EECE5115-EECE5698), (EECE4608), ENG5670

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.