# Baccalaureate Degree (Minimum 140 Credits)

Cumulative “2.0” or Better Required for Graduation

Worksheet for **Electrical Engineering, B.S.**

Dept. of Physical Sciences

## Common Core:
- Analytical Reading/Writing \( WRT102 \)
- Academic Writing \( WRT202 \)
- Human Communication \( CM104 \)
- Calculus I \( MAT171 \)
- Physical Education (2 crs.)

### Cumulative “2.0” or Better Required for Graduation

### Area Distr. Requirements:

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<th>I. Fine Arts &amp; Humanities</th>
<th>6 Credits</th>
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<tr>
<th>II. Social &amp; Behav. Sciences</th>
<th>6 Credits</th>
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<th>III. Laboratory Sciences</th>
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SATISFIED BY MAJOR REQUIREMENTS

### Required Major Courses:
- Fund. of Computer Science I \( CS101 \)
- Fund. of Computer Science II \( CS201 \)
- Intro Electrical Engineering \( ECE100 \)
- Circuit Analysis \( ECE220 \)
- Fund. of Computer Engineering \( ECE260 \)
- Waves & Optics \( ECE270 \)
- Fund. Electrical Engineering \( ECE290 \)
- D/A Analog Circuits \( ECE310 \)
- Intro to Signal Processing \( ECE332 \)
- Discrete Math/Apps \( ECE335 \)
- Random Signals \( ECE340 \)
- Electromagnetic Fields \( ECE350 \)
- Capstone Design I \( ECE400 \)
- Capstone Design II \( ECE402 \)
- EPADS I \( EGR100 \)
- Career Training Prep. \( EGR290 \)
- Mathematical Methods \( EGR240 \)
- Sys Modeling/Analysis \( EGR342 \)
- Engineering Physics/Mech \( PHY160 \)
- Engineering Physics/E&M \( PHY260 \)

### Required Engineering Co-op:
- Co-op I \( EGR491 \)
- Co-op II \( EGR492 \)
- Co-op III \( EGR493 \)

Plus **Two** of the following two-course sequences:

### Required Electives:
- General Chemistry I \( CHM134 \)
- Calculus II \( MAT172 \)
- Differential Equations \( MAT272 \)

### Notes:

* A grade of “2.0” or better is required.

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All courses must be completed with a minimum “2.0” grade. Courses may not be taken on a pass/fail basis.

A minimum of 12 credits of the Area Distribution Requirements must be at the 200-level or above. Courses may not be taken on a pass/fail basis. See Registrar’s Office for official list of courses.

Six credits are to be taken in one of these two areas; if foreign language is selected, six credits must be in one language.

Requirements listed apply to students who matriculate into or declare this major during the 2013-2014 academic year.