ELECTRICAL ENGINEERING, BSEE

Requirements for Students Matriculating in or before Academic Year 2019-2020. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00
Total Hours: 123

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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### General Education Requirements
All General Education coursework requirements are satisfied upon completion of this degree plan

#### English Composition
ENGL 1113 Composition I \(^1,^2\) 3
ENGL 3323 Technical Writing 3

#### American History & Government
Select one of the following: 3
- HIST 1103 Survey of American History
- HIST 1483 American History to 1865 (H)
- HIST 1493 American History Since 1865 (DH)

POLS 1113 American Government 3

#### Analytical & Quantitative Thought (A)
MATH 2144 Calculus I (A) \(^2\) 2
MATH 2153 Calculus II (A) \(^2\) 2
MATH 2163 Calculus III 2

#### Humanities (H)
Courses designated (H) 6

#### Natural Sciences (N)
Must include one Laboratory Science (L) course
CHEM 1414 General Chemistry for Engineers (LN) \(^2\) 4
or CHEM 1515 Chemistry II (LN)
PHYS 2014 University Physics I (LN) \(^2\) 4

#### Social & Behavioral Sciences (S)
Course designated (S) 6

### Hours Subtotal
42

### Diversity (D) & International Dimension (I)
May be completed in any part of the degree plan
Select at least one Diversity (D) course
Select at least one International Dimension (I) course

### College/Departmental Requirements

#### Basic Science
PHYS 2114 University Physics II (LN) \(^2\) 4
PHYS 3313 Introduction to Semiconductor Device Physics 3

#### Mathematics
MATH 2233 Differential Equations \(^2\) 3

#### Engineering
ENGR 1111 Introduction to Engineering \(^2\) 1

#### Engineering Science
ENSC 2113 Statics \(^2\) 3

### Controlled Electives
Select 3 hours of the following technical electives: 3
- ENSC 2123 Elementary Dynamics
- ENSC 2143 Strength of Materials
- ENSC 2213 Thermodynamics

Engineering courses 3000 level and above
Other courses such as MATH, CS, STAT, etc., may be approved by advisor

### Hours Subtotal
48

### Total Hours
123

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1. If a “B” or higher is not earned in ENGL 1113 Composition I, ENGL 1213 Composition II or ENGL 1413 Critical Analysis and Writing II is also required (per Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition)).
2. Courses that must be completed prior to admission to professional school.
3. A minimum GPA of 2.20 is required in all courses applied to Major Requirements.
Other Requirements

Admission to Professional School (required)

- Earn a grade of "C" or better in technical courses required for the degree and taken prior to admission to professional school. In these technical courses, meet or exceed the Technical GPA requirement listed in the Departmental GPA Requirements of the General Catalog.
  
  Note: Technical courses include astronomy, biology, biochemistry, chemistry, geology, engineering (BAE, CHE, CIVE, IEM, ECEN, ENGR, ENSC, MAE), math, physics, statistics, zoology, and any additional science courses listed on this degree requirement sheet.

- Refer to the OSU Catalog corresponding to your matriculation date for detailed admissions requirements.

Graduation Requirements

1. A minimum GPA of 2.00 is required in all courses applied to Major Requirements including ENGL 3323 Technical Writing, 3 hours of (S), and 6 hours of (H).

2. The major engineering design experience, capstone course, is satisfied by ECEN 4013 Design of Engineering Systems and ECEN 4024 Capstone Design.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.

- Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.

- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

- Degrees that follow this plan must be completed by the end of Summer 2025.