University of Hawai‘i at Mānoa  
College of Engineering Program Sheet 2017-2018  
Bachelor of Science (BS) in Electrical Engineering  
Admissions: Freshmen = Open / Transfer = Min. Criteria  
Process: Declaration  
Min. Total Credits: 123 (123 in core & major + 0 in electives)
### Major Requirements for BS in Electrical Engineering

**Admission:** Open

**Application:** Required for students who do not apply straight into the program.

**Min. major credits:** 7

**Min. exit GPA:** 2.0 overall and 2.0 in upper division technical coursework.

**Enrollment in EE courses requires a C (not C-) grade or better, in all prerequisites.**

### Requirements

#### Electrical Engineering Core Courses (38 credits)

- EE 110 or EE 160
- EE 211
- EE 213
- EE 260
- EE 315
- EE 323 / EE 323L
- EE 324
- EE 342
- EE 371
- EE 495
- PHYS 274
- MATH 307

#### Electrical Engineering Projects (6 credits)

- EE 296 (or ENGR 296) (Sophomore standing)
- EE 396 (or ENGR 396) (Junior standing)
- EE 496

#### Electrical Engineering Major Track (17 credits; choose one track below)

17 credits in one major track, which includes all courses in Group I and remaining courses from Group II.

<table>
<thead>
<tr>
<th>Group I (11 credits)</th>
<th>Group II (6 credits)</th>
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<tbody>
<tr>
<td>EE 326 / EE 326L</td>
<td>EE 422/422L, 423, 425, 427</td>
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<tr>
<td>EE 327</td>
<td>EE 328/328L, 426</td>
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<tr>
<td>EE 372 / EE 372L</td>
<td>EE 470, 471, 473, 474, 475, 477</td>
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<td>EE 435, 438</td>
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<td>EE 480</td>
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</table>

- **Electro-Physics Track**
- **Systems Track**

#### Electrical Engineering Technical Electives (7 credits)

7 additional credits from track lists, including 3 credits outside the major track and a 1 credit laboratory:

- Technical Elective
- Technical Elective
- Technical Elective Lab

EE 491 can also be used as a Technical Elective, but the track designation is determined on a case-by-case basis.*

- **Engineering Breadth (3 credits; one of the following options)**
  - CEE 270, ME 311, or a 300+ level course from CEE, ME, OE, or BE.
  - 300+ physical, biological, or computer science courses (with department’s undergraduate curriculum committee approval).

### Notes

College of Engineering: Holmes 250; (808) 956-8404; info@eng.hawaii.edu; www.eng.hawaii.edu

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