University of Hawai‘i at Mānoa  
College of Engineering Program Sheet 2010-2011  
Bachelor of Science (BS) in Civil Engineering  
Admissions: Freshmen = Open / Transfer = Min. Criteria  
Process: Declaration  
Min. Total Credits: 126 (126 in core & major + 0 in electives)

### UHM General Education Core Requirements

<table>
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<tr>
<th>Foundations</th>
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<td>FG (A / B / C)</td>
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<td>FG (A / B / C)</td>
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<tr>
<th>Diversification</th>
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* See degree, college and major requirements for courses that can also fulfill these.

### UHM Graduation Requirements

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<th>Focus</th>
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<tr>
<th>Hawaiian / Second Language</th>
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<tbody>
<tr>
<td>The Hawaiian or Second Language requirement is not required for students admitted to the College of Engineering.</td>
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<tr>
<th>Credit Minimums</th>
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<tr>
<td>124 total applicable</td>
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<tr>
<td>30 in residence at UHM</td>
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### Grade Point Average

- 2.0 cumulative or higher
- Good academic standing

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### Degree Requirements

#### Bachelor of Science Requirements

- Calculus I & II
- General Chemistry I with lab & II
- General Physics I & II with labs

#### College Requirements

**Admission Requirements for Transfer Students**

- 3.0 cumulative GPA
- Completion of the following courses:
  - ENG 100*FW
  - MATH 241*FS
  - MATH 242
  - CHEM 161*DP / 161L*DY
  - CHEM 162*DP
  - PHYS 170*DP / 170L*DY

### Engineering Major Requirements

See back for major information. Meet regularly with your Engineering advisor.

Advising is mandatory every semester for Engineering students.

### Can fulfill DA

- SP 251

### Can fulfill DS

- ECON 120, 130 or 131

### Math Requirements

- MATH 241*FS
- MATH 242
- MATH 243
- MATH 244

### Natural Sciences Requirements

- CHEM 161*DP / 161L*DY
- CHEM 162*DP
- PHYS 170*DP / 170L*DY
- PHYS 272*DP / 272L*DY

### Grade Point Average

- 2.0 GPA for all upper division (300+) mathematics, sciences, and engineering courses.
## Major Requirements for BS in Civil Engineering

**Admission:** Open  
**Application:** Required for students who do not apply straight into the program.  
**Min. major credits:** 75  
**Min. exit GPA:** 2.0 overall and 2.0 in upper division technical coursework  
**All CEE courses must be passed in two attempts.**

### Requirements

#### Civil Engineering Core Courses (61 credits)

- EE 160 or ICS 111  
- CEE 270  
- CEE 271  
- CEE 305  
- CEE 320  
- CEE 330  
- CEE 355  
- CEE 361  
- CEE 370 / CEE 370L  
- CEE 375  
- CEE 381  
- CEE 421  
- CEE 431  
- CEE 455  
- CEE 461, 462, or 464  
- CEE 471 or 472  
- CEE 485 or 486  
- CEE 489B / CEE 489C (senior standing; offered in the Fall only; co-requisite courses)  
- CEE 490 (senior standing)  
- ME 403; GG 312; or, MATH 302 or 307

#### Civil Engineering Technical Elective Courses (6 credits)

- Technical Elective  
- Technical Elective on Sustainability

#### Civil Engineering Biological Science Elective Course (3 credits)

- MICR 130; BIOL 101, 123, or 171; or ZOOL 101 (all can also fulfill DB)

### Technical Elective Options

- Any 400 or 600 level CEE courses.  
- May include one course from: EE 211, GG 454, ME 311, ME 374, ORE 411.  
- Courses with a Sustainability focus: ARCH 525, BE 410, CEE 444, GEOG 410, ME 453; OCN 435

### Specialty Tracks

- Students who want to pursue a structures track should refer to the curriculum check sheet for alternative course work.

### Notes

College of Engineering: Holmes 250; (808) 956-8215; info@eng.hawaii.edu; www.eng.hawaii.edu  
Director of Academic Affairs: Tep Dobry, PhD; Holmes 240A; (808) 956-8404; tep@hawaii.edu