



**University of Hawai'i at Mānoa**  
**College of Engineering Program Sheet 2014-2015**  
**Bachelor of Science (BS) in Civil Engineering**  
**Admissions: Freshmen = Open / Transfer = Min. Criteria    Process: Declaration**  
**Min. Total Credits: 125 (125 in core & major + 0 in electives)**

UHM General Education Core Requirements
<b>Foundations</b>
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
<b>Focus</b>
<input type="checkbox"/> H
<input type="checkbox"/> E (300+)
<input type="checkbox"/> O (300+)
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W
<input type="checkbox"/> W (300+)
<input type="checkbox"/> W (300+)
<b>Hawaiian / Second Language</b>
<ul style="list-style-type: none"> <li>The Hawaiian or Second Language requirement is <b>not</b> required for students admitted to the College of Engineering.</li> </ul>
<b>Credit Minimums</b>
<ul style="list-style-type: none"> <li>120 total applicable</li> <li>30 in residence at UHM</li> <li>45 upper division (300+ level) credits</li> </ul>
<b>Grade Point Average</b>
<ul style="list-style-type: none"> <li>2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>)</li> <li>Good academic standing</li> </ul>

Degree Requirements
<b>Bachelor of Science Requirements</b>
<ul style="list-style-type: none"> <li>Calculus I &amp; II</li> <li>General Chemistry I with lab &amp; II</li> <li>General Physics I &amp; II with labs</li> </ul>
<b>College Requirements</b>
<b>Admission Requirements for Transfer Students</b>
<ul style="list-style-type: none"> <li>3.0 cumulative GPA</li> <li>Completion of the following courses: <ul style="list-style-type: none"> <li>ENG 100*<sup>FW</sup></li> <li>MATH 241*<sup>FS</sup></li> <li>MATH 242</li> <li>CHEM 161*<sup>DP</sup> / 161L*<sup>DY</sup></li> <li>CHEM 162*<sup>DP</sup></li> <li>PHYS 170*<sup>DP</sup> / 170L*<sup>DY</sup></li> </ul> </li> </ul>
<b>Can fulfill DA</b>
<input type="checkbox"/> COMG 251
<b>Can fulfill DS</b>
<input type="checkbox"/> ECON 120, 130 or 131
<b>Math Requirements</b>
<input type="checkbox"/> MATH 241* <sup>FS</sup>
<input type="checkbox"/> MATH 242
<input type="checkbox"/> MATH 243
<input type="checkbox"/> MATH 244
<b>Natural Sciences Requirements</b>
<input type="checkbox"/> CHEM 161* <sup>DP</sup> / <input type="checkbox"/> 161L* <sup>DY</sup>
<input type="checkbox"/> CHEM 162* <sup>DP</sup>
<input type="checkbox"/> PHYS 170* <sup>DP</sup> / <input type="checkbox"/> 170L* <sup>DY</sup>
<input type="checkbox"/> PHYS 272* <sup>DP</sup> / <input type="checkbox"/> 272L* <sup>DY</sup>
<b>Grade Point Average</b>
<ul style="list-style-type: none"> <li>2.0 GPA for all upper division (300+) mathematics, sciences, and engineering courses.</li> </ul>

*This program sheet was prepared to provide information and does not constitute a contract. See back for major requirements.  
Meet regularly with your major advisor. Advising is mandatory every semester for Engineering students.*

## Major Requirements for BS in Civil Engineering

Admission: Open

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

Min. major credits: 74-75

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

### Requirements

#### Civil Engineering Core Courses (65-66 credits)

- EE 160 or ICS 111
- CEE 270
- CEE 271
- CEE 305
- CEE 320
- CEE 330
- CEE 355
- CEE 361
- CEE 370 /  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 /  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)

- BE 120; 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, ME 311, ME 374, ORE 411.
- Courses with a Sustainability focus: 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) 956-8404; info@eng.hawaii.edu; www.eng.hawaii.edu  
Director of Academic Affairs: Tep Dobry, PhD; Holmes 240A; (808) 956-8404; tep@hawaii.edu