



University of Hawai'i at Mānoa
College of Engineering Program Sheet 2016-2017
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
Foundations
<input type="checkbox"/> FW ENG 100, 100A, 190, ESL 100, AMST 111
<input type="checkbox"/> FS MATH 241
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA COMG 251
<input type="checkbox"/> DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP CHEM 161, 162, PHYS 170, 272
<input type="checkbox"/> DY CHEM 161L, 162L, PHYS 170L, 272L
<input type="checkbox"/> DS ECON 120, 130, 131
<input type="checkbox"/> DS
<i>* See degree, college and major requirements for courses that can also fulfill these.</i>
UHM Graduation Requirements
Focus
<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+)
Hawaiian / Second Language
<ul style="list-style-type: none"> The Hawaiian or Second Language requirement is not required for students admitted to the College of Engineering.
Credit Minimums
<ul style="list-style-type: none"> 120 total applicable 30 in residence at UHM 45 upper division (300+ level) credits
Grade Point Average
<ul style="list-style-type: none"> 2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>) Good academic standing

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

*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)
- MATH 302 or GG 312

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 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 440, 441, 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
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