



University of Hawai'i at Mānoa
College of Engineering Program Sheet 2015-2016
Bachelor of Science (BS) in Mechanical 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, or ESL 100
<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 <i>not required for ME students.</i>
<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}
Can fulfill DA
<input type="checkbox"/> COMG 251
Can fulfill DS
<input type="checkbox"/> ECON 120, 130 or 131
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 Mechanical Engineering

Admission: Open

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

Min. major credits: 74-76

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

Requirements

Mechanical Engineering Core Courses (65-67 credits)

- ME 213
- CEE 270 (C, not C-, or higher to advance)
- CEE 271 or ME 271
- MATH 190 (or EE 160)
- MATH 302 or MATH 307
- EE 211
- ME 311
- ME 312
- ME 322
- ME 331
- ME 341 / ME 342
- ME 360, MATH 407, or PHYS 305
- ME 371 or CEE 370
- ME 372
- ME 374
- ME 375
- ME 402
- ME 422
- ME 480
- ME 481
- ME 482

Mechanical Engineering Technical Elective Courses (9 credits)

- Technical Elective
- Technical Elective
- Technical Elective

Technical Elective Options

- Any ME 400-level electives.
- One of the three may be non-ME course (with chair's approval) or PHYS 274 or BIOL 171 (without approval).
- Another may be a ME 600-level courses (with a minimum of 3.0 GPA and chair's approval) or ME 499.

Notes

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