**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

<table>
<thead>
<tr>
<th>Foundations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>❑ FW</td>
<td></td>
</tr>
<tr>
<td>❑ FS</td>
<td></td>
</tr>
<tr>
<td>❑ FG (A / B / C)</td>
<td></td>
</tr>
<tr>
<td>❑ FG (A / B / C)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diversification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>❑ DA / DH / DL</td>
<td></td>
</tr>
<tr>
<td>❑ DA / DH / DL</td>
<td></td>
</tr>
<tr>
<td>❑ DB <strong>not required for ME students.</strong></td>
<td></td>
</tr>
<tr>
<td>❑ DP</td>
<td></td>
</tr>
<tr>
<td>❑ DY</td>
<td></td>
</tr>
<tr>
<td>❑ DS</td>
<td></td>
</tr>
<tr>
<td>❑ DS</td>
<td></td>
</tr>
</tbody>
</table>

* See degree, college and major requirements for courses that can also fulfill these.

---

### UHM Graduation Requirements

<table>
<thead>
<tr>
<th>Focus</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>❑ H</td>
<td></td>
</tr>
<tr>
<td>❑ E (300+)</td>
<td></td>
</tr>
<tr>
<td>❑ O (300+)</td>
<td></td>
</tr>
</tbody>
</table>

| ❑ W       |                                     |
| ❑ W       |                                     |
| ❑ W (300+) |                                     |
| ❑ W (300+) |                                     |

<table>
<thead>
<tr>
<th>Hawaiian / Second Language</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>The Hawaiian or Second Language requirement is <strong>not</strong> required for students admitted to the College of Engineering.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Credit Minimums</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120 total applicable</td>
<td></td>
</tr>
<tr>
<td>30 in residence at UHM</td>
<td></td>
</tr>
<tr>
<td>45 upper division (300+ level) credits</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade Point Average</th>
<th></th>
</tr>
</thead>
</table>
| 2.0 cumulative or higher  
*(Note: Other GPAs may be required)* | |
| Good academic standing |                                     |

---

### 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

Can fulfill DA

- COMG 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.

---

*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
Director of Academic Affairs: Tep Dobry, PhD; Holmes 240A; (808) 956-8404; tep@hawaii.edu