### UHM General Education Core Requirements

**Foundations**
- FW  ENG 100, 100A, 190, or ESL 100
- FS  MATH 241
- FG (A / B / C)
- FG (A / B / C)

**Diversification**
- DA / DH / DL
- DB  BIOL 171
- DP  CHEM 161
- DY  CHEM 161L
- DS  ECON 120, 130, or 131
- DS

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

### UHM Graduation Requirements

**Focus**
- H
- E (300+)
- O (300+)

**W**

**W**

**W**

**W** (300+)

**W** (300+)

### Hawaiian / Second Language

- The Hawaiian or Second Language requirement is **not** required for students admitted to the Biological Engineering program.

### Credit Minimums

- 124 total applicable
- 30 in residence at UHM
- 45 upper division (300+ level) credits

### Grade Point Average

- 2.0 cumulative or higher *(Note: Other GPAs may be required)*
- Good academic standing

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### College Requirements

**CTAHR Required Set of Interrelated Courses**
- NREM 310
- Internship or capstone course (BE 481-482)

**Credit Minimums**

- 124 total applicable

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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.
Major Requirements for BS in Biological Engineering

Admission: Open
Application: NA
Min. major credits: 103-105
Min. exit GPA: 2.0 in the major

Requirements

Biological Engineering Required Basic Courses (51-52 credits)
- ECON 120* DS, 130* DS, or 131* DS
- MATH 241* FS
- MATH 242
- MATH 243
- MATH 244
- PHYS 170* DP / 170L* DY
- PHYS 272* DP / 272L* DY
- CHEM 161* DP / 161L* DY
- CHEM 162* DP / 162L* DY
- CHEM 272* DP / 272L* DY
- BIOL 171* DP / 171L* DY
- BIOL 172* DP / 172L* DY or MICR 351 / 351L or BE 120* DY
- BIOL 275/275L, MICR 351/351L, or MICR 485/485L

*MATH 251A-253A may be taken in place of MATH 241-244.
*MICR 351/351L cannot be counted twice.

Engineering Core Courses (21-22 credits)

All of the following:
- EE 160/EE 110
- EE 211
- CEE 270
- CEE 271
- ME 311
- CEE 320 or ME 322

Biological Engineering Core Courses (16 credits)

All of the following:
- BE 260
- BE 350 / 350L
- BE 373
- BE 481
- BE 482

Biological Engineering Elective Courses (15 credits)

15 credits of the following:
- BE 405
- BE 410
- BE 411
- BE 420
- BE 431
- BE 437
- BE 460
- BE 470
- CEE 355
- ME 371

Notes

CTAHR Academic Advising Office:
Gilmore 1st floor; cthradv@hawaii.edu
Appointments are required to see an advisor; please visit cthradv.youcanbook.me to schedule an appointment.
CTAHR Office of Academic and Student Affairs:
Gilmore 210, (808) 956-8183/(808) 956-6733; www.ctahr.hawaii.edu/ugadvising
BE Faculty Advisor: Ryan Kurasaki; AEI 121; (808) 956-7259; rkurasak@hawaii.edu