University of Hawai‘i at Mānoa
College of Tropical Agriculture and Human Resources Program Sheet 2015-2016
Bachelor of Science (BS) in Biological Engineering
Admissions: Open Process: Declaration
Min. Total Credits: 124 (124 in core & major + 0 in electives)

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
❑ 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
• 120 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

College Requirements
CTAHR Required Set of Interrelated Courses
❑ NREM 310
❑ Internship or capstone course (BE 481-482)
Credit Minimums
• 124 total applicable

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*[DB] / ❑ 171L*[DY]
- ❑ BIOL 172*[DB] / ❑ 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; ctahradv@hawaii.edu
Appointments are required to see an advisor; please visit ctahradv.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