



University of Hawai'i at Mānoa
College of Tropical Agriculture and Human Resources Program Sheet 2014-2015
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
<input type="checkbox"/> FW
<input type="checkbox"/> FS
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
Diversification
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB
<input type="checkbox"/> DP
<input type="checkbox"/> DY
<input type="checkbox"/> DS
<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 Biological Engineering program.
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

College Requirements
CTAHR Required Set of Interrelated Courses
<input type="checkbox"/> NREM 310
<input type="checkbox"/> Internship or capstone course (BE 481-482)
Credit Minimums
<ul style="list-style-type: none"> 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 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 Office of Academic and Student Affairs:

Gilmore 210; (808) 956-8183; (808) 956-6733; acadaff@ctahr.hawaii.edu;
www.ctahr.hawaii.edu

BE Program: AgSci 218; (808) 956-8384; dchr@hawaii.edu; mbbe@ctahr.hawaii.edu; www.ctahr.hawaii.edu/mbbe

BE Undergraduate Advisor: Ryan Kurasaki; AEI 121; (808) 956-7259; rkurasak@hawaii.edu