Bachelor of Science (BS) in Plant and Environmental Biotechnology
Specialization: Insect and Pathogen Biotechnology

**Admissions: Open    Process: Declaration**

Min. Total Credits: 120 (120 in core & major + 0 in electives)

### UHM General Education Core Requirements

**Foundations**
- FW
- FS
- FG (A / B / C)
- FG (A / B / C)

**Diversification**
- DA / DH / DL
- DA / DH / DL
- DB
- DP
- DY
- DS
- 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**
- Any four-course combination of language or 2 social sciences courses and 2 biological science courses

### 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

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**CTAHR Required Set of Interrelated Courses**
- NREM 310
- Internship or capstone course (MBBE/PEPS/TPSS 499)

**Credit Minimums**
- 120 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 Plant and Environmental Biotechnology**

**Specialization:** Insect and Pathogen Biotechnology  
**Admission:** Open  
**Application:** NA  
**Min. major credits:** 73 (83 with related requirements)  
**Min. exit GPA:** 2.0 in the major

### Requirements

**Plant and Environmental Technology Related Requirements (7 credits)**
- MATH 215*FS or 241*FS  
- NREM 220*DS

**Plant and Environmental Technology Core Courses (50 credits)**
- BIOL 171*DB / BIOL 171*DY  
- BIOL 172*DB / BIOL 172*DY  
- BIOL 275*DB / BIOL 275*DY  
- CHEM 161*DP / CHEM 161*DY  
- CHEM 162*DP / CHEM 162*DY  
- CHEM 272*DP / CHEM 272*DY  
- MBBE 304*E  
- MBBE 401  
- MBBE 402 / MBBE 402L  
- ANSC 446, BIOL 375, or PEPS 371  
- PHYS 100*DP / PHYS 100*DY or PHYS 151*DP / PHYS 151*DY and PHYS 152*DP / PHYS 152*DY  
- MBBE/PEPS/TPSS 499

**Insect and Pathogen Biotechnology Required Courses (13 credits)**
- MBBE 412  
- PEPS 363  
- PEPS 405  
- PEPS 421

**Insect and Pathogen Biotechnology Elective Courses (13-14 credits)**
- 13 credits of the following:  
  - PEPS 403  
  - PEPS 404  
  - PEPS 462  
  - MBBE/PEPS/TPSS 499 credits beyond 3

### Notes

CTAHR Office of Academic and Student Affairs:  
Gilmore 210; (808) 956-8183/(808) 956-6733;  
acadaff@ctahr.hawaii.edu; www.ctahr.hawaii.edu

PEB Program: Gilmore 211; (808) 956-6997  
PEB Undergraduate Advisor: Harry Ako, PhD; AgSci 218; (808) 956-2012; hako@hawaii.edu

Rev. HA 03/12