### Bachelor of Science (BS) in Tropical Agriculture and the Environment

**Specialization: Plant Physiology and Genetics**

**Admissions:** Open  
**Process:** Declaration

**Min. Total Credits:** 120 (114 in core & major + 6 in electives)

### UHM General Education Core Requirements

**Foundations**
- FW ENG 100, 100A, 190, ESL 100, or AMST 111
- FS MATH 140 or NREM 203
- FG (A / B / C)
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**Diversification**
- DA / DH / DL
- DA / DH / DL
- DB TPSS 200
- DP CHEM 161
- DY CHEM 161L
- 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 TPSS 200
- W
- W
- W (300+) TPSS 492L
- W (300+) PEPS 421

**Hawaiian / Second Language Alternative**
- Any four-course combination of language, TPSS, PEPS, or other approved related courses not used to satisfy requirements in the TAE major.

**Credit Minimums**
- 120 total applicable

### College Requirements

**CTAHR Required Set of Interrelated Courses**
- FAMR 380*DS /380L or NREM 310
- Internship or capstone course (TPSS 492/492L)
- The Symbolic Reasoning and Natural Sciences requirements are to be completed by the end of the student’s third semester in TPSS

**Credit Minimums**
- 120 total applicable

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This program sheet was prepared to provide information and does not constitute a contract. Meet regularly with your department’s undergraduate advisor to ensure you are on track with your major requirements.
Major Requirements for BS in Tropical Agriculture and the Environment

Specialization: Plant Physiology and Genetics
Admission: Open
Application: NA
Min. major credits: 51 (70 with related requirements)
Min. exit GPA: 2.0 in the major

Requirements

Tropical Agriculture and the Environment Related Requirements (19 credits)
- BIOL 171*DB / 171L*DY
- BIOL 172*DB / 172L*DY
- CHEM 161*DP / 161L*DY
- CHEM 162*DP / 162L*DY
- MATH 140 or NREM 203*FS

Tropical Agriculture and the Environment Core Courses (21 credits)
- TPSS 200*DB
- TPSS 304*DP/DY
- TPSS 470 / 470L*DY
- TPSS/PEPS 499
- BIOL 265*DB
- PEPS 421

Tropical Agriculture and the Environment Required Courses (30 credits; see Catalog for prerequisites)
Take 10 courses from the two groups below, including at least 3 from Group A.

Group A Genetics and Physiology Courses (at least 12 credits)
- TPSS 371, 440, 453; BIOL 340; MBBE 304, 401

Group B Supporting Courses

Students who complete TPSS 341, 429, 430, and BUS 312 will earn a Certificate in Agribusiness Management.

The Symbolic Reasoning and Natural Sciences requirement are to be completed by the end of the student's third semester in TAE.

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
TAE Faculty Advisor: Ken Leonhardt, PhD; St John 19; (808) 956-8909; leonhard@hawaii.edu