



University of Hawai'i at Mānoa
College of Tropical Agriculture and Human Resources Program Sheet 2013-2014
Bachelor of Science (BS) in Tropical Plant and Soil Sciences
Specialization: Genetics and Physiology
Admissions: Open Process: Declaration
Min. Total Credits: 120 (100 in core & major + 20 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 Alternative
<ul style="list-style-type: none"> Any four-course combination of language, and/or TPSS courses not used to satisfy course requirements in the TPSS major <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
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"/> FAMR 380* ^{DS} /380L or NREM 310
<input type="checkbox"/> Internship or capstone course (TPSS 492)
<input type="checkbox"/> The Symbolic Reasoning and Natural Sciences requirements are to be completed by the end of the student's third semester in TPSS
Credit Minimums
<ul style="list-style-type: none"> 120 total applicable

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 Plant and Soil Sciences

Specialization: Genetics and Physiology

Admission: Open

Application: NA

Min. major credits: 42 (57 with related requirements)

Min. exit GPA: 2.0 in the major

The symbolic reasoning & natural sciences requirement are to be completed by the end of the third semester in TPSS.

Requirements

Tropical Plant and Soil Sciences Related Requirements (15 credits)

MATH 140 or NREM 203*^{FS}

BOT 101*^{DB} / 101L*^{DY}

CHEM 161*^{DP} / 161L*^{DY}

CHEM 162*^{DP} / 162L*^{DY}

Tropical Plant and Soil Sciences Fundamental Courses (10 credits)

TPSS 200

TPSS 351

TPSS 492

Additional Tropical Plant and Soil Sciences Courses (36 credits)

12 courses of genetics & physiology and supporting courses:

<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____
<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____	<input type="checkbox"/> _____

Students must take at least four (4) genetics & physiology courses.

Genetics and Physiology Course Lists (see catalog for prerequisites)

Genetics & Physiology

TPSS 371, 440, 453, 470/470L; BIOL 340; MBBE 304, 401

Supporting

TPSS 300, 304, 336, 409, 416, 420, 435, 450, 460, 463, 481, 491; BIOL 407; BOT 201/201L, 410/410L, 461; GEOG 101; MICR 314; MBBE 402/402L or BIOL 402 or BIOC 341; PEPS 363/363L, 405

Students who complete TPSS 322, 341, 351, and 429 will earn a Certificate in Agribusiness Management. TPSS 322 may be substituted with BUS 312.

Notes

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

TPSS Program: St John 102; (808) 956-8351; tpss@ctahr.hawaii.edu; manoa.hawaii.edu/ctahr/tpss

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