



**University of Hawai'i at Mānoa**  
**College of Tropical Agriculture and Human Resources Program Sheet 2015-2016**  
**Bachelor of Science (BS) in Tropical Plant and Soil Sciences**  
**Specialization: Environmental Soil Sciences**  
**Admissions: Open Process: Declaration**  
**Min. Total Credits: 120 (108 in core & major + 12 in electives)**

UHM General Education Core Requirements
<b>Foundations</b>
<input type="checkbox"/> FW ENG 100, 100A, 190, or ESL 100
<input type="checkbox"/> FS MATH 215
<input type="checkbox"/> FG (A / B / C)
<input type="checkbox"/> FG (A / B / C)
<b>Diversification</b>
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DA / DH / DL
<input type="checkbox"/> DB TPSS 200
<input type="checkbox"/> DP CHEM 161
<input type="checkbox"/> DY CHEM 161L
<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
<b>Focus</b>
<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+)
<b>Hawaiian / Second Language Alternative</b>
<ul style="list-style-type: none"> <li>Any four-course combination of language, and/or TPSS courses not used to satisfy course requirements in the TPSS major</li> </ul> <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<b>Credit Minimums</b>
<ul style="list-style-type: none"> <li>120 total applicable</li> <li>30 in residence at UHM</li> <li>45 upper division (300+ level) credits</li> </ul>
<b>Grade Point Average</b>
<ul style="list-style-type: none"> <li>2.0 cumulative or higher (<i>Note: Other GPAs may be required</i>)</li> <li>Good academic standing</li> </ul>

College Requirements
<b>CTAHR Required Set of Interrelated Courses</b>
<input type="checkbox"/> FAMR 380* <sup>DS</sup> /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
<b>Credit Minimums</b>
<ul style="list-style-type: none"> <li>120 total applicable</li> </ul>



*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 Tropical Plant and Soil Sciences

Specialization: Environmental Soil Sciences

Admission: Open

Application: NA

Min. major credits: 46 (66 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 (20 credits)

BIOL 171\*<sup>DB</sup> /  171L\*<sup>DY</sup>

BIOL 172\*<sup>DB</sup> /  172L\*<sup>DY</sup>

CHEM 161\*<sup>DP</sup> /  161L\*<sup>DY</sup>

CHEM 162\*<sup>DP</sup> /  162L\*<sup>DY</sup>

MATH 215\*<sup>FS</sup>

#### Tropical Plant and Soil Sciences Core Courses (15 credits)

TPSS 200\*<sup>DB</sup>

TPSS 304\*<sup>DP/DY</sup>

TPSS 470\*<sup>DB</sup> /  470L\*<sup>DY</sup>

PEPS 421\*<sup>DY</sup>

#### Tropical Plant and Soil Sciences Required Courses (31 credits; see Catalog for prerequisites)

##### Group A Fundamental Courses (13 credits)

TPSS 435

TPSS 450

TPSS 460

NREM 475

##### Group B Elective (take 18 credits from the following)

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TPSS 463; GEOG 401, 402, 405; GG 402, 425; MET 310; MICR 485; NREM 301, 461, 477; PEPS 410.

### Notes

CTAHR Academic Advising Office:

Gilmore 1<sup>st</sup> floor; [ctahradv@hawaii.edu](mailto:ctahradv@hawaii.edu)

Appointments are required to see an advisor; please visit [ctahradv.youcanbook.me/](http://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](http://www.ctahr.hawaii.edu/ugadvising)

TPSS Faculty Advisor: Ken Leonhardt, PhD; St John 19; (808) 956-8909; [leonhardt@hawaii.edu](mailto:leonhardt@hawaii.edu)