# Bachelor of Science (BS) in Tropical Plant and Soil Sciences

**Specialization:** Environmental Soil Sciences

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

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

## UHM General Education Core Requirements

<table>
<thead>
<tr>
<th>Foundations</th>
<th>Diversification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FW</strong> ENG 100, 100A, 190, ESL 100, or AMST 111</td>
<td><strong>DA / DH / DL</strong></td>
</tr>
<tr>
<td><strong>FS</strong> MATH 215</td>
<td><strong>DB</strong> TPSS 200</td>
</tr>
<tr>
<td><strong>FG (A / B / C)</strong></td>
<td><strong>DP</strong> CHEM 161</td>
</tr>
<tr>
<td><strong>FG (A / B / C)</strong></td>
<td><strong>DY</strong> CHEM 161L</td>
</tr>
</tbody>
</table>

| DFS | DFS |

*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, and/or TPSS and/or PEPS courses not used to satisfy course requirements in the TPSS major

| DFS | DFS | DFS |

**Credit Minimums**

- 120 total applicable

## College Requirements

**CTAHR Required Set of Interrelated Courses**

- FAMR 380a+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

---

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:** 52 (72 with related requirements)

**Min. exit GPA:** 2.0 in the major

### Requirements

#### Tropical Plant and Soil Sciences Related Requirements (20 credits)

- BIOL 171<sup>DB</sup> / BIOL 171<sup>DY</sup>
- BIOL 172<sup>DB</sup> / BIOL 172<sup>DY</sup>
- CHEM 161<sup>DP</sup> / CHEM 161<sup>DY</sup>
- CHEM 162<sup>DP</sup> / CHEM 162<sup>DY</sup>
- MATH 215<sup>FS</sup>

#### Tropical Plant and Soil Sciences Core Courses (21 credits)

- TPSS 200<sup>DB</sup>
- TPSS 304<sup>DP DY</sup>
- TPSS 470<sup>DB</sup> / TPSS 470<sup>DY</sup>
- TPSS/PEPS 499
- BIOL 265<sup>DB</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
- TPSS 475

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

- ________
- ________
- ________
- ________

TPSS 463; GEOG 401, 402, 405; GG 101, 103, 402, 425; MICR 485, 485L; NREM 301, 461, 477; PEPS 410.

*The Symbolic Reasoning and Natural Sciences requirement are to be completed by the end of the student’s third semester in TPSS. Contemporary Ethical Issues (E) requirement can be satisfied by taking any one of: CMB 351/BIOL 340, MBBE/BIOL 304, PEPS 310, 350, 451, TPSS 416 (if not previously satisfied upon entry to the program.)*

### Notes

CTAHR Academic Advising Office:
Gilmore 1<sup>st</sup> 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

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

Rev. KL 7/16