### Plant Biology (PhD)

#### Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses</td>
<td></td>
<td>15-16</td>
</tr>
<tr>
<td>PB 795</td>
<td>Special Topics Botany (Functional Plant Biology)¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PB 513</td>
<td>Plant Anatomy ¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PB 824</td>
<td>Topical Problems (Botany Colloquium)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I ¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 816</td>
<td>Introduction to Research Ethics (or equivalent ethics course)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PB 570</td>
<td>Plant Functional Ecology ¹</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>or PB 503</td>
<td>Systematic Botany</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Teaching / Research Courses</td>
<td>2-12</td>
<td></td>
</tr>
<tr>
<td>PB 885</td>
<td>Doctoral Supervised Teaching</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PB 893</td>
<td>Doctoral Supervised Research</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plant Biology Course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one PB prefix course   ²</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additional Courses</td>
<td>41-52</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Additional Courses are determined in conjunction with the academic committee to meet the 72 total hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Hours</td>
<td>72</td>
<td></td>
</tr>
</tbody>
</table>

¹ The course must be taken for a letter grade.
² “Plant Biology Course” is determined in conjunction with the academic committee.

#### Additional Requirements

Ph.D. degree students complete the required courses and other courses for 72 total credit hours (at the 500 level or above). They must also pass a written and oral preliminary exam, and defend a dissertation.

## Associate professors

- Susan B. Carson
- Ralph E. Dewey
- Robert Graham Franks
- Amy Michele Grunden
- Candace Hope Haigler
- Linda Kay Hanley-Bowdoin
- Christine Veronica Hawkes
- William A. Hoffmann
- Shuijin Hu
- James E. Mickle
- Thomas W. Rufty Jr.
- Jean B. Ristaino
- Helie Inge Ada Sederof
- William F. Thompson
- Ross W. Whetten
- Qiuyun Xiang
- Deyu Xie
- Tzung Fu Hsieh
- Slavko Komarnytsky
- Alexander Krings
- Xu Li
- Terri A. Long
- Marcela Pierce
- Rosangela Sozzani
- Anna N. Stepanova
- Jillian Marie De Gezelle
- Chad Victor Jordan
- Imara Yasmin Perera
- Carole H. Saravitz
- Nina S. Allen
- Udo Blum
- Wendy F. Boss
- Rebecca S. Boston
- Margaret E. Daub
- Roger C. Fites
- James W. Hardin

---

- Jose Miguel Alonso
- Richard L. Blanton
- Kent Oliver Burkey
- Joann M. Burkholder
Walter Webb Heck
Rongda Qu
Jon M. Stucky
Judith F. Thomas
C. Gerald VanDyke
Thomas R. Wentworth

**Assistant professors**
Orlando Arguello-Miranda
Colleen Jennifer Doherty
Manuel Kleiner
William Kevin Petry
Seema Nayan Sheth