## Plant Biology (MR)

### Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
<th>Core Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB 795</td>
<td>Special Topics Botany (Functional Plant Biology) ¹</td>
<td>1</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>PB 513</td>
<td>Plant Anatomy ¹</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PB 570</td>
<td>Plant Functional Ecology ¹</td>
<td>1</td>
<td></td>
<td>or PB 503 Systematic Botany</td>
</tr>
<tr>
<td>PB 824</td>
<td>Topical Problems (Plant Biology Colloquium)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I ¹</td>
<td>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>
<td></td>
</tr>
</tbody>
</table>

**Plant Biology Course**

Select one PB prefix course ²

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB 685</td>
<td>Master's Supervised Teaching</td>
<td>3</td>
</tr>
<tr>
<td>PB 693</td>
<td>Master's Supervised Research</td>
<td>3</td>
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</tbody>
</table>

**Additional Courses**

Additional Courses are determined in conjunction with the academic committee to meet the 36 total hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

**Total Hours**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>36</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

M.R. degree students complete the required courses and other courses for 36 total credit hours (at the 500 level or above); 18 hours must be letter-grade. They must also complete a project (and register for 6 hours of PB 693 related to the project) and pass a comprehensive oral exam on general plant biology.

### Accelerated Bachelor’s/Master’s Degree Requirements

The Accelerated Bachelor’s/Master’s (ABM) degree program allows exceptional undergraduate students at NC State an opportunity to complete the requirements for both the Bachelor’s and Master’s degrees at an accelerated pace. These undergraduate students may double count up to 12 credits and obtain a non-thesis Master’s degree in the same field within 12 months of completing the Bachelor’s degree, or obtain a thesis-based Master’s degree in the same field within 18 months of completing the Bachelor’s degree.

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

### Associate professors

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

Assistant Professors
Orlando Arguello-Miranda
Mallory Choudoir
Colleen Jennifer Doherty
Manuel Kleiner
Zhe Lyu
William Kevin Petry
Kasie Raymann
Seema Nayan Sheth