MS AGRICULTURE, SPECIALIZATION IN PLANT PROTECTION SCIENCE

Program Learning Objectives

1. Demonstrate expertise in their respective discipline.
2. Develop, test or select the appropriate technology in their respective discipline.
3. Demonstrate effective communication skills.
4. Formulate decisions utilizing professional ethics.
5. Value the diversity of people and ideas.
6. Investigate problems using critical thinking and derive appropriate solutions.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG 581</td>
<td>Graduate Seminar</td>
<td>2</td>
</tr>
<tr>
<td>ESCI 501</td>
<td>Research Planning</td>
<td>4</td>
</tr>
<tr>
<td>PLSC 575</td>
<td>Applied Systematics for Agriculture</td>
<td>4</td>
</tr>
<tr>
<td>PLSC 599</td>
<td>Thesis in Plant Protection Science</td>
<td>9</td>
</tr>
<tr>
<td>STAT 511</td>
<td>Statistical Methods</td>
<td>4</td>
</tr>
<tr>
<td>STAT 513</td>
<td>Applied Experimental Design and Regression Models</td>
<td>4</td>
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Select from the following: 8

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>PLSC 406</td>
<td>Advanced Weed Management</td>
</tr>
<tr>
<td>PLSC 427</td>
<td>Disease and Pest Control Systems for Ornamental Plants</td>
</tr>
<tr>
<td>PLSC 431</td>
<td>Insect Pest Management</td>
</tr>
<tr>
<td>PLSC 441</td>
<td>Biological Control for Pest Management</td>
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Approved Electives

Any 400 and 500 level courses approved by the graduate committee 1

Total units 45

1 At least 60% of all units required by the committee as reflected on the formal study plan must be at the 500 level.