Curriculum in Horticulture-- Nursery and Greenhouse Science Emphasis

**Freshman**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 1010 Introduction to Horticulture</td>
<td>1</td>
<td>BIOL 1030 Organismal Biology</td>
</tr>
<tr>
<td>Core Mathematics(^1,2)</td>
<td>3</td>
<td>BIOL 1031 Organismal Biology Laboratory</td>
</tr>
<tr>
<td>BIOL 1020 Principles of Biology</td>
<td>3</td>
<td>CHEM 1030 Fundamentals Chemistry I</td>
</tr>
<tr>
<td>BIOL 1021 Principles of Biology Laboratory</td>
<td>1</td>
<td>CHEM 1031 Fundamental Chemistry I Laboratory</td>
</tr>
<tr>
<td>ENGL 1100 English Composition I</td>
<td>3</td>
<td>ENGL 1120 English Composition II</td>
</tr>
<tr>
<td>Core History I(^3)</td>
<td>3</td>
<td>Core History II or Core Social Science(^3)</td>
</tr>
</tbody>
</table>

Total: 14

**Sophomore**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 3220 Arboriculture</td>
<td>4</td>
<td>HORT 2240 Plant Propagation</td>
</tr>
<tr>
<td>Core Literature I(^3)</td>
<td>3</td>
<td>HORT 3210 Small Trees, Shrubs and Vines</td>
</tr>
<tr>
<td>ECON 2020 Principles of Microeconomics or 2030 Principles of Macroeconomics</td>
<td>3</td>
<td>Core Literature II or Core Humanities(^3)</td>
</tr>
<tr>
<td>CSES 2040/2043 Basic Soil Science</td>
<td>4</td>
<td>COMM 1000 Public Speaking</td>
</tr>
<tr>
<td>Core Social Science</td>
<td>3</td>
<td>Electives</td>
</tr>
</tbody>
</table>

Total: 17

**Junior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 3000 Growth and Development of Horticultural Plants</td>
<td>3</td>
<td>HORT 4100 Herbaceous Ornamentals</td>
</tr>
<tr>
<td>HORT 3950 Careers in Horticulture</td>
<td>1</td>
<td>Group 1(^2,4)</td>
</tr>
<tr>
<td>Group 1(^2,4)</td>
<td>3</td>
<td>PLPA 3000 General Plant Pathology</td>
</tr>
<tr>
<td>ENTM 4020 Economic Entomology or 3040 General Entomology</td>
<td>4</td>
<td>Core Fine Arts</td>
</tr>
<tr>
<td>CSES 3150 Turfgrass Management</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Total: 15

**Senior**

<table>
<thead>
<tr>
<th>Course</th>
<th>Fall Hours</th>
<th>Spring Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HORT 5220 Greenhouse Management Science</td>
<td>4</td>
<td>Group 1(^4)</td>
</tr>
<tr>
<td>HORT 5230 Nursery Management</td>
<td>4</td>
<td>Group 2(^2,4)</td>
</tr>
<tr>
<td>HORT 4000 Pesticide Management in Horticulture</td>
<td>3 Electives</td>
<td>3 UNIV 4AA0 University Graduation</td>
</tr>
<tr>
<td>Group 2(^2,4)</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

Total: 14

Total Hours: 120

Note: A minimum of 120 hours is required.
Any core MATH course, except MATH 1100 may be chosen.
Course may be 3 or 4 hours.
All students must complete at least one literature course and a history sequence OR a literature sequence and at least one history course for a total of 12 hours in Humanities and 12 hours in Social Sciences.

**Group 1:** HORT 2010 Fruit and Nut Production (4); HORT 2060 Hydroponics: Principles and Techniques of Soilless Plant Production (3); HORT 2210 Landscape Gardening (4); HORT 3310 People and Plants: A History of Gardens in the Cultural Context (3); BSEN 3560 Turf Systems Irrigation Design (3); HORT 4270 Intermediate Landscape Design (4); HORT 5150 Retail Garden Center Management (3); 5210 Landscape Bidding, Installation and Maintenance (4); HORT 5240 Public Gardens Management (3).

**Group 2:** FLSP 1010 Elementary Spanish I (4); CTCT 2100 Power Equipment Technology (3); STAT 2510 Statistics for Biological and Health Sciences (3); ACCT 2810 Fundamentals of Accounting (3) or ACCT 2110 Fundamentals of Financial Accounting (3); CSES 3120 Principles of Weed Science (4); HORT 3920 Horticulture Internship (4); HORT 4930 Directed Study (3); PLPA 5060 Plant Disease Management (4); HORT 5110 Tree Fruit Culture (3); HORT 5120 Small Fruit and Pecan Culture (4); HORT 5130 Sustainable Vegetable Production (3); FORY 5650 Urban Forestry (3); HORT 5910 Horticulture Practicum (3).