

**Iowa State University  
College of Agriculture  
Horticulture Eight Semester Plan  
Science Option\*  
2011 - 2012 Catalog**

<b><u>Semester 2</u></b>					
Engl 150	Freshman Composition 1	3	Engl 250	Freshman Composition II	3
Chem 177 & 177L	General Chemistry	5	Biol 211	Principles of Biology I	3
Math 165 or 181	College-level Math	3	Agron 155	Soils for Horticultural Scientists	3
Psych or Soc	Psychology or Sociology	3	Hort 221	Principles of Horticulture	3
Hort 121	Home Horticulture	2	Stat 104	Intorduction to Statistics	3
Lib 160	Library Instruction	0.5	Biol 211L	Principles of Biology I Laboratory	<u>1</u>
Hort 110	Orientation to Horticulture	<u>1</u>			16
		17.5			
<b><u>Semester 3</u></b>					
Biol 212	Principles of Biology II	3	<b><u>Semester 4</u></b>		
Chem 178 & 178L	General Chemistry	4	Math 166/182	Calculus II/Differential Equations	3
Hort	Horticulture Elective	3	Biol 330	Plant Physiology	4
Biol 212L	Principles of Biology II Laboratory	1	Option	Option Elective	3
Phys 111	General Physics	<u>4</u>	Chem 331 & 331L	Organic Chemistry and Lab	4
		15	Horticulture	Horticulture Elective	<u>3</u>
					17
<b><u>Semester 5</u></b>					
Humanity	Humanity Elective	3	<b><u>Semester 6</u></b>		
Hort 321	Horticulture in Physiology	3	Horticulture	Horticulture Elective	3
Hort 391	Horticulture Mgmt. Experience	1	Hort 322	Plant Propagation	3
Chem 332,332L	Organic Chemistry	4	Engl 302,314	Business Communication	3
BBMB 311	Biochemistry Laboratory	2	International Perspective	International Perspective Elective	3
BBMB 301	Survey of Biochemistry	<u>3</u>	Phys 112	General Physics	4
		16			
<b><u>Semester 7</u></b>					
Horticulture	Horticulture Elective	3	<b><u>Semester 8</u></b>		
Gen 301,301L	Principles of Genetics & Lab	4	US Diveristy	US Diversity	3
Hort 445	Horticulture Management and Administration	2	Horticulture	Horticulture Elective	3
PI P 408	Principles of Plant Pathology	3	Horticulture	Horticulture Elective	2
BBMB 404	Biochemistry	3	Biol 302 & 302L	Prin. of Mol. Cell Biology and Biochem	4
Hort 391	Horticulture Mgmt. Experience	<u>1</u>	Ethics	Ethics Elective	3
		16	Elective	General Elective	<u>1</u>
					16