

**Iowa State University
College of Agriculture and Life Sciences
Horticulture Eight Semester Plan
Science Option*
2012-2013 Catalog**

Semester 1

Engl 150	Freshman Composition 1	3
Chem 177 & 177L	General Chemistry	5
Math 165 or 181	College-level Math	3
Psych or Soc	Psychology or Sociology	3
Hort 121	Home Horticulture	2
Lib 160	Library Instruction	0.5
Hort 110	Orientation to Horticulture	<u>1</u>
		17.5

Semester 3

Biol 212	Principles of Biology II	3
Chem 178 & 178L	General Chemistry	4
Hort	Horticulture Elective	3
Biol 212L	Principles of Biology II Laboratory	1
Phys 111	General Physics	<u>4</u>
		15

Semester 5

Humanity	Humanity Elective	3
Hort 321	Horticulture in Physiology	3
Hort 391	Horticulture Mgmt. Experience	1
International Perspectives	International Perspectives	3
Biol 313 and 313L	Principles of Genetics and Lab	4
BBMB 301	Survey of Biochemistry	<u>3</u>
		17

Semester 7

Horticulture	Horticulture Elective	3
Biol 314	Principles of Molecular Cell Biology	3
Hort 445	Horticulture Management and Administration	2
Horticulture	Horticulture Elective	3
BBMB 404	Biochemistry	3
Hort 391	Horticulture Mgmt. Experience	<u>1</u>
		15

Semester 2

Engl 250	Freshman Composition II	3
Biol 211	Principles of Biology I	3
Agron 155	Soils for Horticultural Scientists	3
Hort 221	Principles of Horticulture	3
Stat 104	Introduction to Statistics	3
Biol 211L	Principles of Biology I Laboratory	<u>1</u>
		16

Semester 4

Math 166/182	Calculus II/Differential Equations	3
Biol 330	Plant Physiology	3
Option	Option Elective	3
Chem 331 & 331L	Organic Chemistry and Lab	4
Horticulture	Horticulture Elective	<u>3</u>
		16

Semester 6

Horticulture	Horticulture Elective	3
Hort 322	Plant Propagation	3
Engl 302,314	Business Communication	3
Chem 332,332L	Organic Chemistry	4
Phys 112	General Physics	4
		17

Semester 8

US Diveristy	US Diversity	3
PI P 408	Principles of Plant Pathology	3
Horticulture	Horticulture Elective	2
Gen 410	Analytical Genetics	3
Ethics	Ethics Elective	3
Elective	General Elective	<u>1</u>
		15