

Horticulture Technology

Curriculum Description

The Horticulture Technology curriculum is designed to prepare individuals for various careers in horticulture. Classroom instruction and practical laboratory applications of horticultural principles and practices are included in the program of study.

Course work includes plant science, plant materials, propagation, soils, fertilizers, and pest management. Also included are courses in plant production, landscaping, and the management and operation of horticulture businesses.

Graduates should qualify for employment opportunities in nurseries, garden centers, greenhouses, landscape operations, gardens, and governmental agencies. Graduates should also be prepared to take the North Carolina Pesticide Applicator's Examination and the North Carolina Certified Plant Professional Examination.

The following represents one way in which the program of study can be completed. Students who aren't able to follow this plan should consult their academic advisor to be sure that they take courses in the best order for their success.

Associate in Applied Science

A15240

Day

POS Approved: Fall 2007

Course Prefix	Course Number	Course Title	HOURS PER WEEK			
			Class	Lab	Clinical/Shop	Credit Hours

Fall Semester

Select one:

CIS 110	Intro to Computers*		2	2	0	3
OR						
CIS 111	Basic PC Literacy	(1)	(2)	(0)	(2)	
HOR 118	Equipment Op & Maintenance		1	3	0	2
HOR 150	Introd to Horticulture		2	0	0	2

HOR 162	Applied Plant Science	2	2	0	3
HOR 166	Soils & Fertilizers	2	2	0	3
MAT 115	Mathematical Models	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		11	12	0	16
		(10)	(12)	(0)	(15)

Spring Semester

ENG 111	Expository Writing	3	0	0	3
HOR 114	Landscape Construction	2	2	0	3
HOR 160	Plant Materials I	2	2	0	3
HOR 164	Hort Pest Management	2	2	0	3
HOR 168	Plant Propagation	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		11	8	0	15

Summer Term

HOR 112	Landscape Design I	2	3	0	3
HOR 251	Insects & Diseases	2	2	0	3
HOR 260	Plant Materials II	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		6	7	0	9

Fall Semester

ENG 114	Prof Research & Reporting	3	0	0	3
HOR 134	Greenhouse Operations	2	2	0	3
HOR 213	Landscape Design II	2	2	0	3

Select one:

PSY 118	Interpersonal Psychology	3	0	0	3	
OR						
PSY 150	General Psychology*	(3)	(0)	(0)	(3)	
___	Horticulture Elective	**	**	**	2-4	
		**	**	**	14	
		**	**	**	(16)	

Spring Semester

Select one:

HOR 152	Horticultural Practices	0	3	0	1	
OR						
COE 111	Cooperative Experience	(0)	(0)	(10)	(1)	
HOR 170	Hort Computer Apps	1	3	0	2	
HOR 235	Greenhouse Production	2	2	0	3	

HOR 273	Hort Management and Marketing	3	0	0	3
___	Horticulture Electives	**	**	**	2 - 4
___	Humanities/Fine Arts Elective	<u>3</u>	<u>0</u>	<u>0</u>	<u>3</u>
		**	**	**	14
		**	**	**	(16)

Total Credit Hours: 67 - 72

Additional Information

Horticulture Electives: Select 4 credit hours: HOR 116, HOR 154, HOR 215, HOR 245, HOR 255, HOR 257, HOR 265, HOR 271, LSG 111, TRF 110

Humanities/Fine Arts Elective - Select one: ART 111, ENG 125, ENG 131, HUM 110, HUM 121, HUM 220, MUS 110, PHI 215, REL 110, or REL 221. Consult an academic advisor concerning other possible electives.

*This course is recommended for students transferring to a four-year university.

**Hours will vary depending on course selection.

Horticulture Technology - Greenhouse and Nursery Operations

Certificate

C15240NG
Evening

Course Prefix	Course Number	Course Title	HOURS PER WEEK			
			Class	Lab	Clinical/ Co-op	Credit Hours

Fall Semester

HOR 150	Intro to Horticulture	2	0	0	2
HOR 160	Plant Materials I	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		4	2	0	5

Spring Semester

HOR 134	Greenhouse Operations	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		2	2	0	3

Fall Semester

HOR 164	Hort Pest Management	2	2	0	3
HOR 168	Plant Propagation	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		4	4	0	6

Spring Semester

HOR 124	Nursery Operations	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		2	2	0	3

Summer Term

HOR 152	Horticulture Practices	<u>0</u>	<u>3</u>	<u>0</u>	<u>1</u>
		0	3	0	1

Total Credit Hours: 18

Horticulture Technology - Landscape Maintenance

Certificate

C15240LM
Evening

Course Prefix	Course Number	Course Title	HOURS PER WEEK			
			Class	Lab	Clinical/ Co-op	Credit Hours

Fall Semester

HOR 150	Intro to Horticulture	2	0	0	2
HOR 160	Plant Materials I	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		4	2	0	5

Spring Semester

HOR 118	Equipment Op & Maint	<u>1</u>	<u>3</u>	<u>0</u>	<u>2</u>
		1	3	0	2

Fall Semester

HOR 164	Hort Pest Management	2	2	0	3
HOR 168	Plant Propagation	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		4	4	0	6

Spring Semester

HOR 116	Landscape Management I	<u>2</u>	<u>2</u>	<u>0</u>	<u>3</u>
		2	2	0	3

Summer Term

HOR 152 Horticultural Practices $\begin{array}{r} 0 \quad 3 \quad 0 \quad 1 \\ \hline 0 \quad 3 \quad 0 \quad 1 \end{array}$

Total Credit Hours: 17