

Horticulture Technology A.A.S.

Program Description

Horticulture Technology is a program at OSU-Oklahoma City that prepares students for an exciting and rewarding career in the horticulture industry. Since OSU-Oklahoma City is a technical campus, a student takes primarily those courses geared to his/her field of interest. This enables the student to enter the career market in the shortest possible time. Classroom time will be spent learning theory but the majority of the student's experiences will be "hands-on" training in the lab, greenhouse, nursery grounds etc.

Technical Occupational Specialty

				37 Credit Hours	Date	Institution
<input type="checkbox"/>	BIOL	1404	Plant Biology	4		
<input type="checkbox"/>	HRT	1013	Principles of Horticulture	3		
<input type="checkbox"/>	HRT	1223	Herbaceous Ornamental Plants	3		
<input type="checkbox"/>	HRT	1233	Interior Plants	3		
<input type="checkbox"/>	HRT	2213	Horticulture Marketing	3		
<input type="checkbox"/>	HRT	2232	Seminar Horticulture Occupations	2*		
<input type="checkbox"/>	HRT	2244	Horticulture Practicum	4*		
<input type="checkbox"/>	HRT	2313	Deciduous Landscape Plants	3		
<input type="checkbox"/>	HRT	2413	Evergreen Landscape Plants	3		
<input type="checkbox"/>	HRT		Electives (Prefix of HRT)	9		

Employment Information

Oklahoma has a thriving multi-million dollar plant production, plant sales and plant maintenance complex of industries. The possibilities for work and a rewarding career are limited only by a student's imagination, creativity and effort. Many jobs are available on a full-time or part-time basis which will fit many career objectives and abilities. A graduate will find many supervisory jobs available in the greenhouse, nursery, interior plantscape and garden center industry both at the wholesale and retail levels. The landscape maintenance and landscape design fields also offer a multitude of opportunities for the graduate.

Support and Related Courses

				6 Credit Hours		
<input type="checkbox"/>	BUS	2003	Small Business Management	3		
or						
<input type="checkbox"/>			Business Management Course	3*		
<input type="checkbox"/>	CIS	1503	Microcomputer Applications Microsoft Office	3		
or						
<i>Select 3 credit hours from the following:</i>						
<input type="checkbox"/>	CIS	1113	Computer Concepts with Applications	3		
<input type="checkbox"/>	ITD	1323	Internet Fundamentals	3		

Degree Awarded

Associate in Applied Science

General Education Requirements

				18 Credit Hours		
<input type="checkbox"/>	ENGL	1113	English Composition I	3		
<input type="checkbox"/>	HIST	1483	U.S. History to 1865	3		
or						
<input type="checkbox"/>	HIST	1493	U.S. History Since 1865	3		
<input type="checkbox"/>	MATH	1413	General College Math	3		
or						
<input type="checkbox"/>	MATH	1513	College Algebra	3		
<input type="checkbox"/>	POLS	1113	American Government	3		
<input type="checkbox"/>	SPCH	1113	Introduction to Speech Communication	3		
<input type="checkbox"/>			General Education Electives	3		

(Prefix of: BIOL, ENGL, HUMN, MATH, PSYC, etc)

Total to Graduate

*Department head approval required

61 Credit Hours

For More Information Contact:

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Horticulture

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Student Name:	_____
CWID:	_____
Counselor:	_____
Catalog 2009-2010	

BIOL 1404 PLANT BIOLOGY (L, N)

Survey of the plant phyla, structure and function of plant organs, water relations, translocation, reproduction, growth and development. Emphasis on the importance of plants to humans. Lab: two hours per week. Prerequisites: [R] [Sci] MATH 0104

BUS 2003 SMALL BUSINESS MANAGEMENT

Focuses on the experiences and problems faced by those who go into business for themselves. Looks at problems of organizing and managing individually owned businesses including location, securing capital, records, personnel and sales promotion. Prerequisite: MGMT 2103.

***CIS 1113 COMPUTER CONCEPTS WITH APPLICATIONS**

Provides students with an introduction to concepts and applications of the personal computer in business. Topics include spreadsheets, databases, word processing, ethics, vocabulary, Internet skills and file system management. Theory and hands-on computer instruction is included. Prerequisite: READ 0033 or [R].

***CIS 1503 MICROCOMPUTER APPLICATIONS-MS OFFICE**

Familiarizes the student with fundamental terminology and concepts of microcomputers, their operating systems and disk management, as well as major production applications including word processing, spreadsheets, data base management systems, and may include graphics, datacommunications and desktop publishing. Familiarity with computer keyboard is recommended. Hands on computer instruction.

HRT 1013 PRINCIPLES OF HORTICULTURE

Horticulture fundamentals course covering the characteristics of and uses for horticultural plants, plant growth principles and plant care practices, the scope of the horticulture industry, basics in plant propagation, landscape plant maintenance, fruit and vegetable gardening and pest control. Lab: three hours per week. (Sp, Su, F)

HRT 1223 HERBACEOUS ORNAMENTAL PLANTS

Emphasis is placed on the identification, culture, care and use of ornamental annual and herbaceous flowering perennials in residential and commercial landscapes. Lab: three hours per week. Prerequisite: HRT 1013 or consent of department head.

HRT 1233 INTERIOR PLANTS

Identification, growth habits, cultural requirements and use of tropical foliage and flowering plants for indoor garden environments. Skills useful for interior plant installation and maintenance will be emphasized. Lab: three hours per week. Prerequisite: HRT 1013 or consent of department head.

HRT 2232 SEMINAR IN HORTICULTURE OCCUPATIONS

To acquaint the student with the variety of job opportunities and placement in the horticulture industry. Skills used in resume writing, public speaking and project presentations will be covered. Development of skills necessary at the supervisory level including leadership, motivation of employees, communication, and recruiting and retaining good employees will be discussed. Guest speakers will address topics within the horticulture industry. Prerequisite: consent of department head.

HRT 2244 HORTICULTURE PRACTICUM

Occupational aspects of ornamental horticulture are covered. An internship in ornamental horticulture in areas such as park maintenance, landscape construction, landscape maintenance, wholesale or retail sales, horticultural therapy or turf management will be established either in the industry or at the Horticulture Center. The lecture will involve problem-solving techniques for the area of specialization. Refinement of skills as well as speed and accuracy will be emphasized. Lab: six hours per week. Prerequisite: Consent of department head

HRT 2313 DECIDUOUS LANDSCAPE PLANTS

Identification and classification of deciduous trees, shrubs, vines and groundcovers with some evergreen trees and shrubs. Includes the study of the plant materials cultural requirements and landscape uses. Lab: three hours per week. Lecture: two hours per week. Prerequisite: HRT 1013 or consent of department head.

HRT 2413 EVERGREEN LANDSCAPE PLANTS

The identification and classification of evergreen trees, shrubs, vines and groundcovers with some deciduous trees and shrubs. Includes the study of their cultural requirements and landscape uses. Lab: three hours per week. Lecture: two hours per week. Prerequisite: HRT 1013 or consent of department head.

***ITD 1323 INTERNET FUNDAMENTALS**

Introduction to the worldwide computer network. Course uses a hands-on approach to teach students the history and capabilities of the Internet. Students learn the resources available via the World Wide Web and searching capabilities. Prerequisites: placement test or CS 1003.