

HORTICULTURE

The Horticulture program provides students with the training and practical experience for an entry level position as well as continuing education for those working in the horticulture industry.

Associate in Science Degrees

- Horticulture - Associate in Science (<https://lbcc-public.courseleaf.com/degrees-certificates/horticulture/horticulture-as/>)

Certificates of Achievement

- Horticulture - Certificate of Achievement (<https://lbcc-public.courseleaf.com/degrees-certificates/horticulture/horticulture-certificate-achievement/>)

HORT 11A 3 units

Plant Identification: Trees

36 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course focuses on the study of trees, including identification, growth habits, and ornamental uses in the landscape. Trees emphasized will come from the current California Association of Nurserymen & Garden Centers and Associated Landscape Contractors of America Certification Test Plants list. Required field trips will be part of the course requirements.

Transferable to CSU Only

HORT 11B 3 units

Plant Identification: Shrubs

36 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course will focus on the study of shrubs, including identification, growth habits, and ornamental uses in the landscape. Shrubs emphasized will come from the current California Association of Nurserymen & Garden Centers and Associated Landscape Contractors of America Certification Test Plant lists.

Transferable to CSU Only

HORT 11C 3 units

Plant Identification: Herbaceous

36 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course will focus on the study of herbaceous plant materials, including identification, growth habits, and ornamental uses in the landscape. Herbaceous plant material emphasized will come from the current California Association of Nurserymen & Garden Centers and Associated Landscape Contractors of America Certification Test Plants lists.

Transferable to CSU Only

HORT 11D 3 units

Plant Identification: Tropicals

36 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course will focus on the study of tropical plant materials, including identification, growth habits, and ornamental uses in the landscape. Tropical material emphasized will come from the current California Association of Nurserymen & Garden Centers and Associated Landscape Contractors of America Certification Test Plants lists.

Transferable to CSU Only

HORT 15A 2 units

Basic Horticulture

27 hours lecture, 27 hours laboratory

Grading: letter grade or pass/no pass.

This course will present the basic aspects and techniques of the horticulture industry for spring: nomenclature, plant physiology, soils, fertilizers, propagation, plant cultivation and pest identification and control. This course also includes field trips.

Transferable to CSU Only

HORT 15B 2 units

Basic Horticulture

27 hours lecture, 27 hours laboratory

Grading: letter grade or pass/no pass.

This course will present the basic aspects and techniques of the horticulture industry for fall: nomenclature, plant physiology, soils, fertilizers, plant propagation, pest identification and plant cultivation. This course also includes field trips.

Transferable to CSU Only

HORT 19 4 units

Turf Management

36 hours lecture, 108 hours laboratory

Grading: letter grade or pass/no pass.

This course is an introduction to the study of the maintenance and management of turfgrasses that are used in athletic fields, golf courses, parks, cemeteries, commercial, and residential lawns. Discussion will focus on identification, installation, cultural requirements, and maintenance practices. Students will participate in the removal of sod and installation of new turf from seed or sod.

Transferable to CSU Only

HORT 21 3 units

Principles of Landscape Design

54 hours lecture

Grading: letter grade or pass/no pass.

Students in this course will learn basic landscape design and drafting skills in accordance to industry standards, including landscape symbols and lettering for plant materials, hardscape, irrigation, lighting and electrical, local and state codes. Students will prepare a finished drawing of a new landscape site with cost estimates for materials and labor. This course also includes field trips.

Transferable to CSU Only

HORT 26A 4 units

Plant Propagation - Spring

54 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course concentrates on plant propagation and production practices for the spring season. Emphasis is on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, and plant pest and disease control. Instruction includes an overview of structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment, and regulations pertaining to plant production based on industry standards and trends. This course also includes field trips.

Transferable to CSU Only

HORT 26B 4 units

Plant Propagation - Fall

54 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course concentrates on plant propagation and production practices for the fall season. Emphasis is on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, and plant pest and disease control. Instruction includes an overview of structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment, and regulations pertaining to plant production based on industry standards and trends. This course also includes field trips.

Transferable to CSU Only

HORT 30 3 units

Integrated Pest Management

54 hours lecture

Grading: letter grade or pass/no pass.

This course will focus on the study of diagnosing pests and diseases of ornamental plants and turf, chemical and biological control and their regulation, local, and state and federal laws pertaining to pesticide application. Students will prepare for the pesticide applicator's exam.

This course also includes field trips.

Transferable to CSU Only

HORT 202 4 units

Principles of Pruning

36 hours lecture, 108 hours laboratory

Grading: letter grade or pass/no pass.

Formerly HORT 202AB. Students will learn to properly prune trees, shrubs, vines and identify pruning periods for deciduous and evergreen plants.

Students will also identify and safely operate tools and equipment to industry standards as well as perform maintenance and repair of tools and equipment.

HORT 223 4 units

Landscape Construction

36 hours lecture, 108 hours laboratory

Grading: letter grade or pass/no pass.

Formerly HORT 223AD. This course will enable students to develop a basic knowledge of the theory and application of soil preparation, equipment operation, planting, installation and maintenance and hardscape techniques. Emphasis will be placed on landscape plan layout as well as bidding along with decking and masonry construction, irrigation troubleshooting, design and installation.

HORT 227 2 units

Interior Plant Design/Installation/Maint.

27 hours lecture, 27 hours laboratory

Grading: letter grade or pass/no pass.

Students in this course will learn interior landscape design, installation, and maintenance techniques, as well as cultural and climatic conditions, and pests and diseases and their prevention, control or eradication.

Students will learn color and seasonal plants and how to bid and sell a design.

HORT 323 0.5 units

Landscape Construction

7 hours lecture, 20 hours laboratory

Grading: letter grade or pass/no pass.

Formerly HORT 323AD. This course will aid students in developing a basic knowledge of the theory and application of soil preparation, equipment operation, planting, maintenance and techniques in irrigation, masonry, wood fences and gates and bidding.

HORT 430 4 units

Landscape Maintenance

54 hours lecture, 54 hours laboratory

Grading: letter grade or pass/no pass.

This course prepares students to enhance the function and aesthetic value of public and private landscapes by applying appropriate maintenance techniques. Topics include planting, pruning, watering, soil fertility, pest management, weed control, and landscape maintenance business practices.