

# HORTICULTURE - ASSOCIATE IN SCIENCE

Plan Code: 2962

This is designed to furnish students with knowledge of the entry-level skills necessary to embark upon a career in the horticulture industry. It includes emphasis on practical applications leading to career advancement. This Associate Degree will prepare students for career advancement once a certificate has been earned. Appropriate course selection may also facilitate transfer in a related major.

## Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Distinguish 100 landscape plants suitable for different landscape situations with proper cultural practices.
- Demonstrate safe and efficient competence with hand and power tools used in the trade.
- Demonstrate fundamental technical skills to cultivate and manage edible and ornamental plants in horticultural production systems.
- Demonstrate fundamental landscaping principles to layout and install residential gardens.

## Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
<b>REQUIRED COURSES</b>		
HORT 11A	Plant Identification: Trees	3
HORT 11B	Plant Identification: Shrubs	3
HORT 11C	Plant Identification: Herbaceous	3
HORT 11D	Plant Identification: Tropicals	3
HORT 15A	Basic Horticulture	2
or HORT 15B	Basic Horticulture	
<b>Subtotal Units</b>		<b>14</b>
IN ADDITION, complete TWENTY (20) units from the following:		
BIO 5	Plant Biology (4)	
FLO 286A	Introduction to Floral Design: Fall Flowers (2)	
FLO 286B	Introduction to Floral Design: Spring Flowers (2)	
HORT 15A	Basic Horticulture (2)	
or HORT 15B	Basic Horticulture (2)	
HORT 19	Turf Management (4)	
HORT 21	Principles of Landscape Design (3)	
HORT 26A	Plant Propagation - Spring (4)	
HORT 26B	Plant Propagation - Fall (4)	
HORT 30	Integrated Pest Management (3)	
HORT 202	Principles of Pruning (4)	
HORT 223	Landscape Construction (4)	
HORT 227	Interior Plant Design/Installation/Maint. (2)	
HORT 430	Landscape Maintenance (4)	

KINPP 23	First Aid and Safety (3)	
MGMT 58	Leadership and Supervision (3)	
MGMT 80	Small Business Entrepreneurship (3)	
MKTG 47	Essentials of Marketing (3)	
<b>Subtotal Units</b>		<b>20</b>
<b>Required Subtotal</b>		<b>34</b>
Complete one of the following: <sup>1</sup>		19-39
LBCC General Education (Plan A) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/</a> )		
CSU GE Breadth (Plan B) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/</a> )		
IGETC Pattern (Plan C) ( <a href="https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/">https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/</a> )		
Electives (as needed to reach 60 degree-applicable units) <sup>2</sup>		
<b>Minimum Degree Total</b>		<b>60</b>

<sup>1</sup> Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

<sup>2</sup> Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.

# HORTICULTURE - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3962

This Certificate of Achievement will prepare students for an entry-level position in a variety of horticulture/landscape/nursery industry positions and will serve as a foundation for specialization.

## Program Student Learning Outcomes

- Distinguish 100 landscape plants suitable for different landscape situations with proper cultural practices.
- Demonstrate safe and efficient competence with hand and power tools used in the trade.
- Demonstrate fundamental technical skills to cultivate and manage edible and ornamental plants in horticultural production systems.
- Demonstrate fundamental landscaping principles to layout and install residential gardens.

## Program Requirements

Code Number	Course Title	Units
<b>REQUIRED COURSES</b>		
HORT 11A	Plant Identification: Trees	3
HORT 11B	Plant Identification: Shrubs	3
HORT 11C	Plant Identification: Herbaceous	3
HORT 11D	Plant Identification: Tropicals	3
HORT 15A	Basic Horticulture	2
or HORT 15B	Basic Horticulture	
<b>Subtotal Units</b>		<b>14</b>
IN ADDITION, complete TWENTY (20) units from the following:		
BIO 5	Plant Biology (4)	
FLO 286A	Introduction to Floral Design: Fall Flowers (2)	
FLO 286B	Introduction to Floral Design: Spring Flowers (2)	
HORT 15A	Basic Horticulture (2)	
or HORT 15B	Basic Horticulture (2)	
HORT 19	Turf Management (4)	
HORT 21	Principles of Landscape Design (3)	
HORT 26A	Plant Propagation - Spring (4)	
HORT 26B	Plant Propagation - Fall (4)	
HORT 30	Integrated Pest Management (3)	
HORT 202	Principles of Pruning (4)	
HORT 223	Landscape Construction (4)	
HORT 227	Interior Plant Design/Installation/Maint. (2)	
HORT 430	Landscape Maintenance (4)	
KINPP 23	First Aid and Safety (3)	
MGMT 58	Leadership and Supervision (3)	
MGMT 80	Small Business Entrepreneurship (3)	
MKTG 47	Essentials of Marketing (3)	
<b>Subtotal Units</b>		<b>20</b>
<b>Total Units</b>		<b>34</b>