

HORTICULTURE

Curriculum Guide for Academic Year 2012-2013

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Students planning to **transfer** to a four-year college or university should refer to the ASSIST web site at www.assist.org and **consult a counselor** before beginning a program of study. Please call 562-938-4561 for the LAC, or 562-938-3920 for PCC to schedule a meeting with a counselor. Students may also wish to visit the Transfer Center on either campus.

Program of study leading to: Associate in Science (A.S.) Degree			
<u>REQUIRED COURSES</u>		UNITS	In Progress Completed Grade
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 OR 15B	Basic Horticulture OR Basic Horticulture	2 OR 2	
Subtotal Units		14	
IN ADDITION, Complete SIX (6) UNITS from the following:			
		UNITS	
†♦ HORT 271AD	Work Experience: Horticulture	2	
†♦ HORT 272AD	Work Experience: Horticulture	3	
†♦ HORT 273AD	Work Experience: Horticulture	4	
Subtotal Units		6	
IN ADDITION, Complete TWENTY (20) UNITS from the following:			
		UNITS	
BIO 5	Plant Biology	4	
CARP 245	Contracting Laws & Management	3	
COSA 1	Computer Information Competency	1	
FLO 286A	Introduction to Floral Design – Fall Flowers	2	
FLO 286B	Introduction to Floral Design – Spring Flowers	2	
HORT 10A	Greenhouse Management and Operation	4	
HORT 10B	Greenhouse Management and Operation	4	
Φ HORT 15A OR 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 28A	Horticulture Equipment Operation (Fall)	3	
HORT 28B	Horticulture Equipment Operation (Spring)	3	
HORT 30	Integrated Pest Management	3	
HORT 202AB	Principles of Pruning	4	
HORT 223AD	Landscape Construction	4	
HORT 227	Interior Plant Design/Installation/Maint.	2	
HORT 430	Landscape Maintenance	4	
MGMT 58	Leadership and Supervision	3	
MGMT 80	Small Business Entrepreneurship	3	
MKTG 47	Essentials of Marketing	3	
Subtotal Units		20	
TOTAL UNITS		40	

Associate Degree requirements continued from the previous page:

For graduation with an **Associate in Science (A.S.) Degree with a major in Horticulture:**

1. **Minimum Unit Requirements:** Any course that appears on a curriculum guide and the General Education Pattern (Plan A) may fulfill both major and general education requirements (Approved by College Curriculum Committee Spring 2012). For this degree, complete a minimum of 60 units in courses numbered 1-599. Please note that additional elective units may be required to meet this minimum based upon courses selected to fulfill General Education for the Associate Degree.

Horticulture Major:	40	units
General Education/A.S.	19	units
Minimum Total Units:	60	units

2. **Scholarship:** Maintain an **overall grade point average (GPA) of 2.0** ("C" average) based on all accredited college work applied to the degree, no matter where completed. For this **field of concentration, complete each course above with a grade of "C" or better**, or "P" if course is graded on a P/NP basis, and **minimum gpa in the concentration of 2.5**.
3. **Residence for the Degree:** Complete at least 30 units of the required 60 in residence at LBCC, or complete in residence at LBCC at least 20 units within the last 30 units of work applied to the degree.
4. **Residence for the Field of Concentration:** Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 20 units** of the required 40 must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
5. **General Education and Proficiency Requirements:** Complete the required A.A./A.S. General Education and Proficiency requirements*, otherwise known as "Plan A". For Plan A requirements, refer to the general catalog or view it online at <http://osca.lbcc.edu>.
6. Complete and submit the degree application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>. Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

*The requirements for general education/proficiency and the field of concentration (major) need to be from the same catalog year. This catalog year may be any year between the year of initial enrollment to the present, provided continuous enrollment is maintained throughout. See the catalog for definition of "continuous enrollment".

**Program of study leading to:
Certificate of Achievement**

REQUIRED COURSES—Complete the 40 units of required courses as listed in the Associate Degree requirements box on the first page.

REQUIRED COURSES	TOTAL UNITS	40	In	
			Progress	Completed
			<input type="text"/>	<input type="text"/>

For graduation with a **Horticulture Certificate of Achievement:**

1. Complete each of the **REQUIRED COURSES** listed above with a **minimum cumulative grade point average 2.5 ("C+" average)**.
2. Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 20 units** of the required 40 must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
3. Complete and submit the certificate application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>. Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

Suggested Sequence of Classes

This is not an educational plan, as course offerings, student schedules, and circumstances vary. Students must meet all the prerequisites in order to be eligible for the sequence of courses.

A suggested full-time sample sequence of courses for the required **60** units to reach an Associate Degree includes:

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
HORT 15A OR B	2	HORT 11A-D	3
HORT 11A-D	3	HORT 19	4
HORT 223AD	4	HORT 223AD	4
HORT 202AB	4	HORT 227	2
HORT 286AB	3	HORT 271AD, 272AD, OR 273AD	2-4
G.E. Course	3-5	HORT 430	4
		G.E. Course	3-5
Semester Total	19 – 21	Semester Total	22 – 26
<u>Third Semester</u>	<u>Units</u>	<u>Fourth Semester</u>	<u>Units</u>
HORT 11A-D	3	HORT 11A-D	3
HORT 223AD	4	HORT 223AD	4
HORT 26AB	3	HORT 10AB	4
HORT 21	3	HORT 271AD, 272AD, OR 273AD	2-4
HORT 271AD, 272AD, OR 273AD	2-4	HORT 30	3
G.E. Course	3-5	G.E. Course	3-5
Semester Total	18-22	Semester Total	19 – 23

Career Opportunities

This field of concentration 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. Also, it provides a partial lower-division preparation for transfer to a baccalaureate degree program in this field.

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.

This **Associate Degree** will prepare students for career advancement once a certificate has been earned. Appropriate course selection will also facilitate transfer in a related major.

Program Mission and Outcomes

The mission of the Horticulture Program is to provide students with the training and practical experience for an entry level position as well as continuing education for those working in the horticulture industry.

- 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.

Legend

† This course has a prerequisite. Prerequisite courses must be complete with at least a “C” or “P” grade. Refer to the General Catalog (<http://www.lbcc.edu/cat/index.html>), the Schedule of Classes (<http://schedule.lbcc.edu/>), or the online Credit Course Outline (<http://wdb-asir.lbcc.edu/coursecurriculum/coursestetails/>) for specific prerequisite information.

◆ To enroll in this course student must be in the horticulture program and also enrolled in a minimum of seven (7) units.

Φ This course cannot be used as an elective if counted under the required units.