

CERTIFICATE OPTIONS* IN LANDSCAPE HORTICULTURE

*This reflects the current 2009-2011 Merritt College catalog which includes several curricular changes.

Level A: Basic Landscape Horticulture Certificate

Certificate Requirements:

LH-1 Introduction to Horticulture or	3
LH-1E Introduction to Horticulture (Evening)	
LH-23 Plant Terminology	2.5
LH-26 Pruning	0.5

Select one plant ID course from the following:

LANHT 2 Trees with Lab (Day)	
LANHT 2E Trees (Evening)	
LANHT 3 Ground Covers and Vines with Lab (Day)	
LANHT 3E Ground Covers and Vines (Evening)	
LANHT 4 Shrubs with Lab (Day)	
LANHT 4E Shrubs (Evening)	
LANHT 5A/5B Native Plants with Lab (Day)	
LANHT 5EA/5EB Native Plants (Evening)	
LANHT 6A/6B Herbaceous Plants with Lab (Day)	
LANHT 6EA/6EB Herbaceous Plants (Evening)	
LANHT 7 Plant Materials: Conifers with Lab (Day)	
LANHT 7E Plant Materials: Conifers (Evening)	
LANHT 40 Plant Materials: Mediterranean Plants with Lab (Day)	
LANHT 40E Plant Materials: Mediterranean Plants (Evening)	3

Select one course from the following:

LH-8 Turf Management Management or	
LH-8E Turf Management Management or	
LH-13 Arboriculture or	
LH-13E Arboriculture	3

Select one course from the following:

LH-10 Insect Pests (S) or	
LH-11 Plant Diseases and their Control (F) or	
LH-12 Weeds in the Urban Landscape (S)	3

Select one course from the following:

LH-16 Soil Management (F) or	
LH-19 Plant Nutrition (S)	<u>3</u>

Level A total required units: 18
(E = Evening classes)

Level B1: Intermediate Landscape Design/Landscape Construction

Level A1 Requirements:

LH-1, or LH-1E Introduction to Horticulture	3
LH-23 Plant Terminology	2.5

Select one plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	<u>3</u>
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Level A1 required units: 8.5

Plus Level B1 Required Courses:

LH-14/14E Landscape Construction (F)/(FO)	3
LH-18A & B Landscape Design (A=F, B=S)	6 (3-3)
LH-22A & B Landscape Graphics (A=F, B=S)	2 (1-1)
LH-29 Planting Design (F)	4

Select one plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	3*
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Select courses from the following for a minimum of 3 units:

LH-8/8E Turf Management	3
LH-13/13E Arboriculture	3
LH-31 Site Operations for Landscape Designers and Builders	3
LH-32 Designing with Native Plants	3
LH-33A-B Design Evaluation of Bay Area Landscapes	3-3
LH-34A-C Computer-Assisted Landscape Design	3
LH-35A-B Advanced Landscape Design	4 <u>3</u>

Level B1 additional required units: 21

Level B1 total required units: 29.5

* Select a course not previously taken

Level C1: Landscape Design/Landscape Construction Specialist

Level A1 Requirements	8.5
Plus Level B1 Additional Requirements	21
Level B1 total required units:	30.5

Plus Level C1 Requirements:

LH-17 or 17E Landscape Irrigation	3
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Select one plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	3*
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Select courses from the following for a minimum of 6 units:

LH-8/8E Turf Management	3	
LH-13/13E Arboriculture	3	
LH-31 Site Operations for Landscape Designers and Builders	3	
LH-32 Designing with Natives	3	
LH-33A-B Design Evaluation of Bay Area Landscapes	3-3	
LH-34A-C Computer-Assisted Landscape Design	3	
LH-35A-B Adv. Landscape Design	4	<u>6</u>

Level C1 additional required units:	12
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Level C1 total required units	41.5
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Recommended: LH-210 A-C Landscape Design Forum	2
LH-48OV-OX Freehand Drawing	3
LH-55 History of Gardens & Gardening	2
LH-48PB CAD Clinic	1
LH-9 A-C Sketch-Up Pro	1.5

* Select a course not previously taken

Level B2: Intermediate Landscape and Parks Maintenance

Level A Requirements:

LH-1, or LH-1E Introduction to Horticulture	3
LH-8 or 8E Turf Management or 13 or 13E Arboriculture	3
LH-10 Insect Pests or LH-11 Plant Diseases, or LH-12 Weed ID	3
LH-23 Plant Terminology	2.5
LH-26 Pruning	.5

Select one plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	<u>3</u>
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Level A required units: **15**

Plus Level B2 Requirements:

LH-8 or 8E Turf Management or LH13 or 13E Arboriculture	3*
One additional class from the following:	
LH-10 Insect Pests or LH-11 Plant Diseases, or LH-12 Weed ID	3*
LH-16 Soil Management or LH-19 Plant Nutrition	3*
LH-201 Landscape Maintenance	3

One additional plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	<u>3</u>
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* Take the course not previously taken

Level B2 additional required units **15**

Level B2 total required units **30**

Level C2: Landscape and Parks Maintenance Specialist

Level A Requirements **15**

Plus Level B2 Additional Requirements **15**

Plus Level C2 Requirements:

LH-10 Insect Pests (S) and LH-11 Plant Diseases (F) and LH-12 Weeds in the Urban landscape (S)	3*
LH-16 Soil Management (F) and LH-19 Plant Nutrition (S)	3*
LH-21 Horticultural Equipment, Maintenance and Repair	2

One additional plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	3*
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* Take the course not previously taken

Recommended Elective:

LH-206 Landscape Maintenance Business Practices	3
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Level C2 additional required units **11**

Level C2 total required units **41**

Level B3: Intermediate Nursery Management Certificate

Level A Requirements:

LH-1, or LH-1E Intro to Horticulture	3
LH-10 Insect Pests or LH-11 Plant Diseases, or LH-12 Weed ID	3
LH-16 Soils or 19 Plant Nutrition	3
LH-23 Plant Terminology	2.5
LH-26 Pruning	.5

Select one plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	<u>3</u>
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Level A3 required units **15**

Plus Level B3 Requirements:

One additional class from the following;

LH-10 Insect Pests or LH-11 Plant Diseases, or LH-12 Weed ID	3*
LH-16 Soils (F) and LH-19 Plant Nutrition (S)	3*
LH-24 Plant Propagation (S)	3
LH-25 Nursery Management (F)	3

One additional plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	<u>3</u>
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* Take the course not previously taken

Level B3 additional required units: **15**

Level B3 total required units: **30**

Level C3: Nursery Management Specialist Certificate

Level A Requirements **15**

Plus Level B3 Additional Requirements **15**

Plus Level C3 Requirements:

LH-10 Insects Pests (S) and LH-11 Plant Diseases(F) and LH-12 Weeds in the Urban Landscape (S)	3*
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One additional plant ID course from the following:

LANHT 2 or 2E or 3 or 3E or 4 or 4E or 5A or 5B or 5EA or 5EB or 6A or 6B or 6EA or 6EB or 7 or 7E or 40 or 40E	<u>3</u>
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* Take the course not previously taken

Recommended Electives: (6 units needed) **6**

LH 52A-C Advanced Plant Propagation	(2-2-2)
LH-202A-D Soils Lab	0.5
LH-203 Greenhouse Operations & Mgmt.	3
LH-204 Floriculture/Hydroponics	2
LH-48OU Horticultural Hydroponics	3

Level C3 additional required units: **12**

Level C3 total required units **42**

Permaculture Design Certificate (17.5 units)

Certificate Requirements

LH-1 Introduction to Horticulture or	
LH-1E Introduction to Horticulture	3
LH-23 Plant Terminology	2.5
LH-28 Permaculture Design A	3
LH-28 Permaculture Design B	3

Select courses from the following for a minimum of 6 units:

LH-18 Landscape Design A (F)	3	
LH-36A Natural Building (S)	3	
LH-45A Mushroom Cultivation (F)	2	
LH-46 Cycles of Land Use (SO)	3	
LH-47 From Dams to Greywater (F)	2	
LH-54 Integrated Pest Management (FO)	1	
LH-56A Regenerative Design (F)	3	
LH-208 Growing Herbs (Summer)	2	
LH-211A Beneficial Beasts in the Garden (S)	2	
LH-220 Edible Landscaping	2	
		6

Total Units Required: **17.5**