

Landscape Architecture/ Landscape and Nursery Technology

Departments of Applied Technology, CIS/
Electronics, and Administration of Justice

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General Description

Landscape architecture is the study of principles and practices related to the design and installation of environmentally pleasing landscape designs for homes, parks, commercial buildings, and natural settings. Landscape technology deals with study of the practices of landscape installation methods and landscape maintenance techniques for homes, parks, commercial settings, and utility areas. Golf and sports turf management is the study of the installation and proper management of quality sports fields and golf course turfs. Nursery technology studies the careers of plant propagation, nursery production, and nursery sales. Floral design covers the production of quality floral arrangements, flower shop management, wedding consultations and design, and interiorscaping.

Career Options

Below is a sample of the career options available for students majoring in landscape architecture, landscape occupations, nursery occupations, floral design occupations, or golf and sports turf management. Most of these require a certificate or associate degree, some require a bachelor's degree, and a few require a graduate-level degree: landscape contractor, landscape designer, licensed landscape architect, floral designer, assistant floral designer, sprinkler technician, golf course superintendent or assistant superintendent, retail nursery manager, nursery manager, greenhouse technician, floral shop owner or manager, landscape maintenance company owner or manager, or horticultural teacher.

Degree/Certificate Options

Associate in Science Degree: Career/Technical

Degree/Certificate Options	Major Code
Golf and Sports Turf Management	02601
Landscape Architecture	02610
Landscape Occupations	02600

Nursery Occupations

Floral Design Emphasis	02821
Retail Nursery and Plant Production	02822

Certificate of Achievement:

Golf and Sports Turf Management	02602
Landscape Architecture	02611
Landscape Design	02605
Landscape Occupations	02603

Nursery Occupations

Floral Design Emphasis	02823
Retail Nursery and Plant Production	02824

Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

ASSOCIATE IN SCIENCE DEGREE

Golf and Sports Turf Management

Career/Technical (Major Code: 02601)

Designed to provide skills and training to students pursuing careers in the golf and sports turf industry. The field requires two distinct areas of knowledge: one based on a solid background in the science of turfgrass establishment and maintenance and the other based on business principles, budgeting, and personnel management. The program trains persons for jobs on golf courses, park and recreation systems, athletic fields, sod farms, and any other landscape area where turfgrass plays a major role.

First Semester

LNT 100	Plant and Horticultural Science	4
LNT 102	Plant Identification: Deciduous Trees	1
LNT 125	Landscape Construction: Concrete and Masonry Skills	1
LNT 126	Landscape Construction: Fence, Deck, and Lumber Skills	1
LNT 127	Landscape Construction: Sprinkler Installation	1

Second Semester

LNT 72	Horticultural Equipment: Care and Operation	2
LNT 103	Plant Identification: Conifers and Palms	1
LNT 132	Turf Management	3
LNT 134	Soils	3

Third Semester

LNT 104	Plant Identification: Broadleaf Trees	1
LNT 128	Sprinkler Design	3
LNT 131	Landscape Contracting and Estimating	3
LNT 136	Plant Pest and Disease Control	3

Fourth Semester

CE 290–293	Occupational Cooperative Education I–IV	4
LNT 133	Golf Course and Sport Turf Management * (Cuyamaca College OH 265)	3
LNT 148	Horticultural Business Practices	3

Total unit 37

Recommended Electives: ART 121; BUS 121; COMM 104; LA 200; PSYC 101; SPAN 101.

* LNT 133—Golf and Sports Turf Management is only offered at Cuyamaca College, but it is fully articulated with Southwestern College. Students must enroll and register for the class at Cuyamaca College.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 51.

Landscape Architecture

Career/Technical (Major Code: 02610)

Designed to provide skills and training to students in landscape architecture. The field requires two distinct areas of knowledge, one based on a solid background in the horticultural sciences and the other based on design theory backed by an ability to express designs graphically in a professional manner. The program will train students for entry-level employment in local landscape architecture firms, allow students to start their own landscape design/construction businesses, or allow transfer to a four-year institution with the eventual goal of becoming a licensed landscape architect.

First Semester

LA 104	Landscape Graphics and Planting Design	3
LNT 102	Plant Identification: Deciduous Trees	1
LNT 103	Plant Identification: Conifers and Palms	1
LNT 104	Plant Identification: Broadleaf Trees	1
LNT 125	Landscape Construction: Concrete and Masonry Skills	1
LNT 126	Landscape Construction: Fence, Deck, and Lumber Skills	1
LNT 127	Landscape Construction: Sprinkler Installation	1

Second Semester

ARCH 115	Architectural Graphics	3
LNT 106	Plant Identification: Flowering Shrubs (1)	
LNT 107	Plant Identification: Foliage Shrubs I (1)	
LNT 108	Plant Identification: Foliage Shrubs II (1)	
	OR	3
LNT 119	Plant Identification: Xeriphytic Plants (3)	
LNT 128	Sprinkler Design	3

Third Semester

LNT 100	Plant and Horticultural Science	4
LNT 120	Landscape Design I	4
LNT 131	Landscape Contracting and Estimating	3

Fourth Semester

LA 200	Introduction to Computer Aided Landscape Design	3
LNT 122	Landscape Design II	4
LNT 134	Soils	3

Total units **39**

Recommended Electives: ART 121; BIOL 100, 101; CL 120; ECON 101; PSYC 101; SPAN 101.

*To earn an associate degree, additional general education and graduation requirements must be completed.
See page 51.*



Landscape Occupations

Career/Technical (Major Code: 02600)

Designed for students interested in landscape contracting and landscape maintenance careers, including park settings, schoolgrounds, residential landscapes, and commercial landscapes. Skills include hardscape installation, sprinkler systems, turfgrass management, and landscape installation and care.

First Semester

LNT 100	Plant and Horticultural Science	4
LNT 102–116	Plant Identification*	3
	Complete 3 units from electives	3

Second Semester

LNT 102–116	Plant Identification*	
	OR	3
LNT 119	Plant Identification—Xeriphytic Plants	
LNT 134	Soils	3
	Complete 3 units from electives	3

Third Semester

ACCT 7	Basic Business Bookkeeping	
	OR	3
LNT 148	Horticultural Business Practices	
BIOL 100	Principles of Biology	3
BIOL 101	Principles of Biology Laboratory	1
	Complete 3 units from electives	3

Fourth Semester

CE 290–293	Occupational Cooperative Education I–IV	4
LNT 136	Plant Pest and Disease Control	3
	Complete 3 units from electives	3

Total units **39**

Electives: LNT 72, 75, 120, 122, 123, 125, 126, 127, 128, 131, 132.

*To earn an associate degree, additional general education and graduation requirements must be completed.
See page 51.*

* Students may select any of the plant identification classes, to total 6 units



Some courses within this program may require additional coursework that must be completed prior to enrollment in those courses. Please consult the individual course listings for prerequisites and any other limitations on enrollment.

Nursery Occupations

Common Core:

LNT 100	Plant and Horticultural Science	4
LNT 136	Plant Pest and Disease Control	3
LNT 138	Floral Design I	3
LNT 144	House Plant Care and Production	1.5
LNT 146	Plant Propagation	1.5
LNT 148	Horticultural Business Practices	3
OR		
ACCT 7	Basic Business Bookkeeping	3
Total units		16

Floral Design Emphasis

Career/Technical (Major Code: 02821)

Designed to train students in the skills needed in the floral design industry. Students who successfully complete the degree are eligible for positions such as assistant floral designer, floral designer, floral shop manager, and floral shop owner. Positions may be found at floral shops, wholesale floral suppliers, retail nurseries, hotels and resorts, and as a private floral consultant. Students who have completed this degree have proven they can produce not only the normal bank of floral products but also new, creative, and innovative designs for all activities.

ART 121	Darkroom and Digital Photography I	3
BUS 148	Developing and Starting a New Business (3)	3
OR		
BUS 144	Advertising and Promotional Strategy (1)	
BUS 145	Financial Management for Small Business (1)	
BUS 147	Successful Selling Techniques (1)	
COMM 174	Interpersonal Communication	3
CE 290–293	Occupational Cooperative Education I–IV	8
LNT 95	Portfolios, Presentations, and Consultations for Floral Design	1
LNT 110	Plant Identification: Annuals and Perennials I	1
LNT 118	Plant Identification for Floral Design	1
LNT 140	Floral Design II	3
LNT 141	Floral Design III (1)	1–2
OR		
LNT 147	Wedding Design and Event Planning (2)	
Plus Common Core courses for Nursery Occupations		16
Total units		40–41

Recommended Elective: BUS 174.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 51.

Retail Nursery and Plant Production

Career/Technical (Major Code: 02822)

Designed to provide students with the skills needed for working in retail and wholesale nurseries, or for owning and operating their own nursery. Students who successfully complete the degree are eligible for positions such as retail nursery sales, retail nursery management, wholesale nursery growing, greenhouse management, and wholesale of horticultural products. Students completing this degree have proven a knowledge of plant identification, cultural requirements, plant propagation, and pest control.

BIOL 100	Principles of Biology	3
BIOL 101	Principles of Biology Laboratory	1
CE 290–293	Occupational Cooperative Education I–IV	4
LNT 102–119	Plant Identification*	6
LNT 134	Soils	3
Complete 7 units from electives		7
Plus Common Core courses for Nursery Occupations		16
Total units		40

Electives: LNT 72, 125, 126, 127, 131, 143.

* Students may select any of the plant identification classes, to total 6 units

To earn an associate degree, additional general education and graduation requirements must be completed. See page 51.

CERTIFICATES

Golf and Sports Turf Management

Certificate of Achievement

Career/Technical (Major Code: 02602)

First Semester

LNT 100	Plant and Horticultural Science	4
LNT 102	Plant Identification: Deciduous Trees	1
LNT 125	Landscape Construction: Concrete/Masonry Skills	1
LNT 126	Landscape Construction: Fence, Deck, and Lumber Skills	1
LNT 127	Landscape Construction: Sprinkler Installation	1

Second Semester

LNT 72	Horticultural Equipment: Care and Operation	2
LNT 103	Plant Identification: Conifers and Palms	1
LNT 132	Turf Management	3
LNT 134	Soils	3

Third Semester

BUS 150	Principles of Management	3
LNT 104	Plant Identification: Broadleaf Trees	1
LNT 128	Sprinkler Design	3
LNT 136	Plant Pest and Disease Control	3

Fourth Semester

CE 290–293	Occupational Cooperative Education I–IV	4
LNT 133	Golf and Sport Turf Management * (Cuyamaca College OH 265)	3
LNT 148	Horticultural Business Practices	3

Total units 37

Recommended Electives: ART 121; BUS 121;
LA 200; PSYC 101; SPAN 101; COMM 104.

* LNT 133—Golf and Sports Turf Management is only offered at Cuyamaca College, but it is fully articulated with Southwestern College. Students must enroll and register for the class at Cuyamaca College.

Landscape Architecture

Certificate of Achievement

Career/Technical (Major Code: 02611)

First Semester

LA 104	Landscape Graphics and Planting Design	3
LNT 102	Plant Identification: Deciduous Trees	1
LNT 103	Plant Identification: Conifers and Palms	1
LNT 104	Plant Identification: Broadleaf Trees	1
LNT 125	Landscape Construction: Concrete and Masonry Skills	1
LNT 126	Landscape Construction: Fence, Deck, and Lumber Skills	1
LNT 127	Landscape Construction: Sprinkler Installation	1

Second Semester

ARCH 115	Architectural Graphics	3
LNT 106	Plant Identification: Flowering Shrubs (1)	3
LNT 107	Plant Identification: Foliage Shrubs I (1)	
LNT 108	Plant Identification: Foliage Shrubs II (1)	
	OR	
LNT 119	Plant Identification: Xeriphytic Plants (3)	3
LNT 128	Sprinkler Design	

Third Semester

LNT 100	Plant and Horticultural Science	4
LNT 120	Landscape Design I	4
LNT 131	Landscape Contracting and Estimating	3

Fourth Semester

LA 200	Introduction to Computer Aided Landscape Design	3
LNT 122	Landscape Design II	4
LNT 134	Soils	3

Total units 39



Some courses within this program may require additional coursework that must be completed prior to enrollment in those courses. Please consult the individual course listings for prerequisites and any other limitations on enrollment.

Landscape Design

Certificate of Achievement

Career/Technical (Major Code: 02605)

The program specializes in the design of landscapes for residential and commercial buildings. The curriculum provides a student with the technical knowledge and skills for employment.

First Semester

ARCH 115	Architectural Graphics	3
LNT 102	Plant Identification: Deciduous Trees	1
LNT 103	Plant Identification: Conifers and Palms	1
LNT 104	Plant Identification: Broadleaf Trees	1
LNT 125	Landscape Construction: Concrete and Masonry Skills	1
LNT 126	Landscape Construction: Fence, Deck, and Lumber Skills	1
LNT 127	Landscape Construction: Sprinkler Installation	1

Second Semester

ARCH 110	Freehand Drawing	3
ARCH 112	Architectural Rendering	3
LNT 106	Plant Identification: Flowering Shrubs	1
LNT 107	Plant Identification: Foliage Shrubs I	1
LNT 108	Plant Identification: Foliage Shrubs II	1

Third Semester

LNT 110	Plant Identification: Annuals and Perennials I	1
LNT 111	Plant Identification: Annuals and Perennials II	1
LNT 112	Plant Identification: Vines and Ground Covers	1
LNT 120	Landscape Design I	4
LNT 128	Sprinkler Design	3

Fourth Semester

LA 200	Introduction to Computer Aided Landscape Design	3
LNT 122	Landscape Design II	4
Total units		35

Landscape Occupations

Certificate of Achievement

Career/Technical (Major Code: 02603)

First Semester

LNT 100	Plant and Horticultural Science	4
LNT 102–115	Plant Identification*	3
Complete 3 units from electives		3

Second Semester

LNT 102–115	Plant Identification*	3
OR		
LNT 119	Plant Identification: Xeriphytic Plants	3
LNT 134	Soils	
Complete 3 units from electives		3

Third Semester

ACCT 7	Basic Business Bookkeeping	3
OR		
LNT 148	Horticultural Business Practices	3
BIOL 100	Principles of Biology	
BIOL 101	Principles of Biology Laboratory	1
BIOL 170	Field Botany (4)	3
Complete 3 units from electives		

Fourth Semester

CE 290–293	Occupational Cooperative Education I–IV	4
LNT 136	Plant Pest and Disease Control	3
Complete 3 units from electives		3

Total units **39**

Electives: LNT 72, 75, 120, 122, 123, 125, 126, 127, 128, 132.

* Students may select any of the plant identification classes, to total 6 units

Nursery Occupations

Common Core:

LNT 100	Plant and Horticultural Science	4
LNT 136	Plant Pest and Disease Control	3
LNT 138	Floral Design I	3
LNT 144	House Plant Care and Production	1.5
LNT 146	Plant Propagation	1.5
LNT 148	Horticultural Business Practices	3
	OR	
ACCT 7	Basic Business Bookkeeping	

Total units **16**

Floral Design Emphasis

Certificate of Achievement

Career/Technical (Major Code: 02823)

BUS 148	Developing and Starting a New Business (3)	
	OR	3
BUS 144	Advertising and Promotional Strategy (1)	
BUS 145	Financial Management for Small Business (1)	
BUS 147	Successful Selling Techniques (1)	
COMM 174	Interpersonal Communication	3
CE 290–293	Occupational Cooperative Education I–IV	8
LNT 95	Portfolios, Presentations, and Consultations for Floral Design	1
LNT 110	Plant Identification: Annuals and Perennials I	1
LNT 118	Plant Identification for Floral Design	1
LNT 140	Floral Design II	3
LNT 141	Floral Design III (1)	
	OR	1–2
LNT 147	Wedding Design and Event Planning (2)	
Plus Common Core courses for Nursery Occupations		16
Total units		37–38

Recommended Elective: BUS 174.

Retail Nursery and Plant Production

Certificate of Achievement

Career/Technical (Major Code: 02824)

BIOL 100	Principles of Biology	3
BIOL 101	Principles of Biology Laboratory	1
CE 290–293	Occupational Cooperative Education I–IV	4
LNT 102– 119	Plant Identification*	6
LNT 134	Soils	3
Complete 7 units from electives		7
Plus Common Core courses for Nursery Occupations		16
Total units		40

Electives: LNT 72, 125, 126, 127, 143.

* Students may select any of the plant identification classes, to total 6 units.

