

REQUIRED CORE: (10 units)

JOUR 101	Introduction to Mass Communication and Society (3)	
	OR	3
COMM 200	Introduction to Mass Communication and Society (3)	
JOUR 151	News Reporting and Writing	3
JOUR 200	Campus Newspaper Production I	4

LIST A: select one course (4 units)

JOUR 201	Campus Newspaper Production II (4)	
JOUR 202	Campus Newspaper Production III (4)	4

LIST B: select two courses (6–8 units)

MATH 119	Elementary Statistics (4)	
PSYC 270	Statistical Methods of Psychology (3)	
	OR	
SOC 270	Statistical Methods of Sociology (3)	
COMM 103	Oral Communication (3)	
ECON 101	Principles of Economics I (3)	
	OR	
ECON 102	Principles of Economics II (3)	
PS 102	Introduction to American Government and Politics (3)	
PS 103	Introduction to Comparative Government (3)	
ENGL 116	Critical Thinking and Composition (4)	
PHIL 103	Logic and Critical Thinking (3)	
COMM 160	Argumentation and Debate (3)	

Total units **19–22**

LANDSCAPE ARCHITECTURE/ LANDSCAPE AND NURSERY TECHNOLOGY

SCHOOL OF BUSINESS AND TECHNOLOGY

DEAN: Mink Stavenga, DBA, Office 470K, 619-482-6569

DEPARTMENT CHAIR: Marie Vicario-Fisher, M.S., M.P.H.

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

MAJOR CODE

Associate in Science Degree: Career/Technical

Golf and Sports Turf Management	02601
Landscape Architecture	02610
Landscape Occupations	02600

Nursery Occupations

Floral Design	02821
Retail Nursery and Plant Production	02822

Certificate of Achievement:

Golf and Sports Turf Management	02602
Landscape Architecture	02611
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.

ATTENTION SMALL BUSINESS OWNERS AND ENTREPRENEURS:

Study small business management. Earn a Certificate that combines your education discipline with Entrepreneurship courses. For more information turn to Business Management - Entrepreneurship Education.



ASSOCIATE IN SCIENCE DEGREE

GOLF AND SPORTS TURF MANAGEMENT

ASSOCIATE IN SCIENCE DEGREE 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.

Program Student Learning Outcome Statement:

- Degree student will demonstrate the ability to work with a wide variety of individuals and will present ideas and proposals in a clear and concise manner.
- Degree student will present ideas, job tasks, and job duties to their fellow employees in a manner that effectively results in the desired outcome.
- Degree student will analyze an existing turf grass problem and will be able to formulate a plan to solve the problem.

Required Major Courses: (13 units)

LNT 128	Sprinkler Design	3
LNT 132	Turf Management	3
LNT 133	Golf and Sports Turf Management	3
PD 290-293	Occupational Cooperative Education	4

Select 7 units from Electives **7**

Plus Common Core course for Landscape and Nursery

Technology	16
Total unit	36

NURSERY OCCUPATIONS

COMMON CORE:

LNT 100	Plant and Horticultural Science	4
LNT 102–112	Plant Identification Courses*	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3
Total units		16

Electives: LNT 70, 72, 75, 91, 92, 93, 131, 148, BUS 150

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

- * 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.

The program below is undergoing modification and the modification will be placed into an addendum upon Chancellor's Office approval - see your counselor for further information and visit the college website under <http://www.swccd.edu/catalog> link for the latest addenda updates.

LANDSCAPE ARCHITECTURE

ASSOCIATE IN SCIENCE DEGREE 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.

Program Student Learning Outcome Statement:

- Graduates of this program will assess the needs of a landscape design project, present those needs and solutions to the class, and defend their design ideas.
- Graduates of this program will have actively participated in round-table discussions of various design theories, their applicable uses in the environment, and will assess how they have incorporated others ideas into their design philosophies.
- Graduates of this program will work together during group projects, group presentations, and work together in defending the group's ideas and designs.



Required Major Courses: (14 units)

LA 104	Landscape Graphics and Planting Design	3
LNT 102–112, 119	Plant Identification Courses*	3
LNT 120	Landscape Design I	4
LNT 122	Landscape Design II	4

Complete 6 units from Electives **6**

Plus Common Core courses for Landscape and Nursery Technology **16**

Total units **36**

NURSERY OCCUPATIONS**COMMON CORE:**

LNT 100	Plant and Horticultural Science	4
LNT 102–112	Plant Identification Courses**	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3

ELECTIVES

LA 200	Introduction to Computer Aided Landscape Design	3
LNT 128	Sprinkler Design	3
LNT 131	Landscape Contracting and Estimating	3
ARCH 115	Architectural Graphics	3

* Students may select any of the plant identification classes in the required courses to total 3 units.

** Students may select any of the plant identification classes in the common core courses to total 3 units.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

LANDSCAPE OCCUPATIONS**ASSOCIATE IN SCIENCE DEGREE
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.

Program Student Learning Outcome Statement:

- Degree student will identify and analyze landscape situations and propose ideas for the enhancement, beautification, and functionality of the landscape.
- Degree student will analyze the costs involved in a landscape construction project and perform a landscape bid which encompasses the overhead and profit margins.

Required Major Courses: (14 units)

BIOL 100	Principles of Biology	3
BIOL 101	Principles of Biology Laboratory	1
LNT 128	Sprinkler Design	3
LNT 132	Turf Management	3
PD 290-293	Occupational Cooperative Education	4

Complete 7 units from Electives **7**

Plus Common Core courses for Landscape and Nursery Technology **16**

Total units **37**

NURSERY OCCUPATIONS**COMMON CORE:**

LNT 100	Plant and Horticultural Science	4
LNT 102–112	Plant Identification Courses*	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3

Total units **16**

Electives: LNT 70, 72, 75, 91, 92, 93, 123, 131, 148

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

* Students may select any of the plant identification classes, to total 3 units



FLORAL DESIGN

ASSOCIATE IN SCIENCE DEGREE 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.

Program Student Learning Outcome Statement:

- Graduates of this program will interview a prospective bride, present floral design themes, and justify the budget for the flowers for a wedding.
- Graduates of this program will be able to plan, organize, and develop a budget for the floral arrangements for convention or business event.
- Graduates of this program will understand the differences requirements of planning the floral needs of funerals for different ethnic cultures.

LNT 100	Plant and Horticultural Science	4
LNT 106-112	Plant Identification courses	1
LNT 136	Plant Pest and Disease Control	3
LNT 138	Floral Design I	3
LNT 140	Floral Design II	3
LNT 141	Floral Design III	1
LNT 147	Wedding Design and Event Planning	2
PD 290-293	Occupational Cooperative Education I-IV	8
Complete 11 units from Electives		11
Total units		36

Recommended Elective: LNT 95, 118, 146, 148; ART 121; BUS 144, 145, 147, 148; COMM 174

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

RETAIL NURSERY AND PLANT PRODUCTION



ASSOCIATE IN SCIENCE DEGREE 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.

Program Student Learning Outcome Statement:

- Graduates of this program, with a group of 3 others, will plan the steps needed to propagate and grow a commercial nursery crop. The group will work together to create a flow chart that tracks the appropriate steps to take this crop from seed to sales. .
- Graduates of this program will analyze a plant problem, identify the cause of the problem, and suggest methods for correcting the problem

BIOL 100	Principles of Biology	3
BIOL 101	Principles of Biology Laboratory	1
LNT 102-112, 119	Plant Identification courses	3
LNT 143	Floriculture and Nursey Operations: Tree and Shrubs Production	1
LNT 146	Plant Propagation	1.5
PD 290-293	Occupational Cooperative Education I-IV	4
LNT 102-119	Plant Identification*	6
Complete 7 units from Electives		7
Plus Common Core courses for Nursery Occupations		16
Total units		36.5

NURSERY OCCUPATIONS

COMMON CORE:

LNT 100	Plant and Horticultural Science	4
LNT 102-112	Plant Identification Courses*	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3
Total units		16

Electives: LNT 70, 75, 128, 138, 148

- * 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 64.



CERTIFICATES

GOLF AND SPORTS TURF MANAGEMENT

CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 02602)

Program Student Learning Outcome Statement:

- Graduates of this program will be able to communicate to the supervisors or owners above them their annual plan, budget, and goals.
- Certificate students will present ideas, job tasks, and job duties to their fellow employees in a manner that effectively results in the desired outcome.
- Certificate students will analyze an existing turf grass problem and will be able to formulate a plan to solve the problem.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment.

Required Major Courses: (10 units)

LNT 128	Sprinkler Design	3
LNT 132	Turf Management	3
LNT 133	Golf and Sport Turf Management ** (Cuyamaca College OH 265)	3
PD 290–293	Occupational Cooperative Education I–IV	4
Select 7 units from Electives		7
Plus Common Core for Landscape and Nursery Technology		16
Total units		36

NURSERY OCCUPATIONS

COMMON CORE:

LNT 100	Plant and Horticultural Science	4
LNT 102–112	Plant Identification Courses*	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3
Total units		16

Recommended Electives: LNT 70, 72, 75, 91, 92, 93, 131, 148, BUS 150

- * Students may select any of the Plant Identification classes, to total 3 units.
- ** 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)

Program Student Learning Outcome Statement:

- Certificate student will analyze a potential landscape design site, solicit input from the site’s owner, and implement the ideas and improvements into working drawings for the eventual installation of a landscape design project.
- Certificate student will perform a site analysis by identifying the assets and liabilities of the site and making suggestions for improvement to better enhance the sites functionality, uses, and beauty.

GAINFUL EMPLOYMENT:

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Required Major Courses: (14 units)

LA 104	Landscape Graphics and Planting Design	3
LNT 102–112, 119	Plant Identification Courses*	3
LNT 120	Landscape Design I	4
LNT 122	Landscape Design II	4
Complete 6 units from Electives		6
Plus Common Core courses for Landscape and Nursery Technology		16
Total units		36



NURSERY OCCUPATIONS

COMMON CORE:

LNT 100	Plant and Horticultural Science	4
LNT 102–112, 119	Plant Identification Courses**	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3

ELECTIVES

LA 200	Introduction to Computer Aided Landscape Design	3
LNT 128	Sprinkler Design	3
LNT 131	Landscape Contracting and Estimating	3
ARCH 115	Graphic Communication for Architects and Designers	3

* Students may select any of the plant identification classes in the required courses to total 3 units.

** Students may select any of the plant identification classes in the common core courses to total 3 units.

To earn an associate degree, additional general education and graduation requirements must be completed. See page 64.

LANDSCAPE OCCUPATIONS

CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 02603)

Program Student Learning Outcome Statement:

- Certificate student will identify and analyze landscape situations and propose ideas for the enhancement, beautification, and functionality of the landscape.
- Certificate student will analyze the costs involved in a landscape construction project and perform a landscape bid which encompassed the overhead and profit margins.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

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FIRST SEMESTER

LNT 100	Plant and Horticultural Science	4
LNT 105–119	Plant Identification*	3
Complete 3 units from Electives		3

SECOND SEMESTER

LNT 105–119	Plant Identification*	3
LNT 134	Soils	3
Complete 3 units from Electives		3

THIRD SEMESTER

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

FOURTH SEMESTER

PD 290	Occupational Cooperative Education I–IV	4
LNT 116	Plant Identification: Fruiting Plants	1.5
Complete 3 units from Electives		3
Total units		37.5

Electives: LNT 72, 75, 94, 120, 122, 123, 124, 128, 132

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

FLORAL DESIGN

CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 02823)

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.



Program Student Learning Outcome Statement:

- Graduates of this program will be able to plan, organize, and develop a budget for the floral arrangements for a convention or business event.

GAINFUL EMPLOYMENT

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment.

LNT 100	Plant and Horticultural Science	4
LNT 106-112	Plant Identification courses	1
LNT 136	Plant Pest and Disease Control	3
LNT 138	Floral Design I	3
LNT 140	Floral Design II	3
LNT 141	Floral Design III	1
LNT 147	Wedding Design and Event Planning	2
PD 290-293	Occupational Cooperative Education I-IV	8

Complete 11 units from Electives

Total units **36**

Recommended Elective: LNT 95, 118, 146, 148, ART 121, BUS 144, 145, 147, 148, COMM 174

RETAIL NURSERY AND PLANT PRODUCTION

CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 02824)

Program Student Learning Outcome Statement:

- Graduates of this program will be able to plan, organize, and develop a budget for the floral arrangements for convention or business event.
- Graduates of this program will understand the different requirements of planning the floral needs of funerals for varied ethnic cultures.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment.

BIOL 100	Principles of Biology	3
BIOL 101	Principles of Biology Laboratory	1
LNT 102-119	Plant Identification*	3
LNT 143	Floriculture and Nursery Operations: Tree and Shrubs Production	1
LNT 146	Plant Propagation	1.5
PD 290-293	Occupational Cooperative Education I-IV	4
Complete 7 units from Electives		7
Plus Common Core courses for Nursery Occupations		16
Total units		36.5

NURSERY OCCUPATIONS**COMMON CORE:**

LNT 100	Plant and Horticultural Science	4
LNT 102-112	Plant Identification courses*	3
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
LNT 134	Soils	3
LNT 136	Plant Pest and Disease Control	3
Total units		16

Electives: LNT 70, 75, 128, 138, 148

- * Students may select any of the plant identification classes, to total 3 units.

