

CAREER PROGRAMS

Plant Science Technology

Associate in Applied Science Degree

This 65 credit-hour program is designed to prepare students for employment in floral design, garden centers, greenhouses, grounds maintenance, landscape design and construction, nurseries, plant propagation, and other green industry careers.

Required General Education Courses:

BIO	120	Botany	4
ENG	101	Composition	3
		Mathematics elective ¹	3
PED	201	Safety and First Aid ²	3
SPE	101	Fundamentals of Speech Communication.....	3
Students must select five credit hours from at least two of the following areas:			
Humanities, Natural Sciences or Social Sciences			5

Required Core Courses:

PKM	100	Park and Horticulture Careers.....	1
PST	104	Beginning Floral Design	3
PST	105	Indoor Plants	4
PST	111	Basic Horticultural Skills	4

Specialized Study Areas:

It is recommended that students pursue one of the following specialized study areas.

Floral Design

Required:

PST	107	Cut Flower and Foliage Identification.....	4
PST	112	History of Floral Design I	3
PST	151	Floral Design Internship.....	3
PST	204	Intermediate Floral Design.....	3
PST	205	High Style and Tropical Floral Design ⁴	3
PST	206	Wedding and Sympathy Floral Design ⁴	3
PST	207	Permanent Botanical Design ³	3
PST	208	Advanced Floral Techniques ⁴	4
PST	245	History of Floral Design II	3
PST	247	Floral Shop Management ³	3

Horticulture

Required:

PKM	140	Grounds Equipment and Shop Operation	4
PKM	213	Landscape Graphics.....	4
PKM	214	Landscape Design I.....	4
PKM	250	Park Management and Plant Science Seminar ⁴	1
PST	101	Woody Plants	4
PST	102	Plant Diseases and Pests	4
PST	103	Herbaceous Plants ³	4
PST	110	Soil Science	4

Electives: Horticulture students must select at least three credit hours from the following:

MGT elective ⁵	3
PKM 210	Drainage and Irrigation	3
PKM 220	Arboriculture	4
PKM 230	Contracts, Specifications, Estimating ⁶	3
PKM 240	Grounds Equipment Power Units ⁶	4
PKM 242	Golf Course and Athletic Field Management ⁶	4
PST 212	Turfgrass Science	4
PST 244	Nursery Management ⁶	3
PST 248	Garden Center Operations ⁶	3

Landscape Design

Required:

PKM 213	Landscape Graphics	4
PKM 214	Landscape Design I	4
PKM 215	Landscape Design II	4
PKM 216	Landscape Construction Process and Materials	4
PST 101	Woody Plants	4
PST 103	Herbaceous Plants ³	4
PST 110	Soil Science	4

Electives: Landscape Design students must select at least four credit hours from the following:

MGT elective ⁵	3
PKM 210	Drainage and Irrigation	3
PKM 220	Arboriculture	4
PKM 230	Contracts, Specifications, Estimating ⁶	3
PKM 240	Grounds Equipment Power Units ⁶	4
PKM 242	Golf Course and Athletic Field Management ⁶	4
PST 212	Turfgrass Science	4
PST 244	Nursery Management ⁶	3
PST 248	Garden Center Operations ⁶	3

¹ Students may elect any mathematics course offered, depending on their test score and advice of a Student Development faculty member; however, only MTH 100 or higher will satisfy this requirement. MGT 150 will also satisfy this requirement. Students who utilize the competency test to meet the mathematics requirement must complete a course in PKM or PST as an elective.

² May be waived if a comparable certificate is presented.

³ Offered during fall semester only.

⁴ Offered during spring semester only.

⁵ MGT elective: MGT 111, MGT 154, MGT 160.

⁶ May be offered every other year.