

PHLEBOTOMY*

Phlebotomy Certificate*

This 9 credit-hour certificate program consists of lectures, student laboratories and clinical internship arranged in a local health care facility. This certificate is useful for a number of health care professionals interested in developing the skills and techniques involved in the collection of blood from patients or donors for diagnostic testing. In addition, ethical and legal responsibilities, effective communication skills and safe practice are studied. Phlebotomists are employed in hospitals, hospital laboratories, physician offices, clinics, blood banks, commercial laboratories, or similar facilities. Phlebotomy has become a fast-growing health occupation and is considered a profession with a standardized educational curriculum and accepted routes for national certification.

Admission Requirements

For admission requirements, please contact the Admissions Outreach Office at 847.925.6700 or check the following Web page: harpercollege.edu/learning/healthcareers

Students who apply for this limited enrollment program are obligated to meet current admission requirements and follow program curriculum as defined **at the time of acceptance to the program.**

Required:

HSC	112	Medical Terminology	3
PHB	101	Phlebotomy Principles and Practice	4
PHB	102	Phlebotomy Internship	2

* Phlebotomy is a limited enrollment program. See Limited Enrollment Programs section of this Catalog for details. Requirements subject to change. Contact the Admissions Outreach Office for updated information.

PLANT SCIENCE TECHNOLOGY

Associate in Applied Science Degree

This 64 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 ²	Safety and First Aid.....	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.....	3

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 ⁴	High Style and Tropical Floral Design.....	3
PST	206 ⁴	Wedding and Sympathy Floral Design.....	3
PST	207 ³	Permanent Botanical Design.....	3
PST	208 ⁴	Advanced Floral Techniques.....	4
PST	245	History of Floral Design II.....	3
PST	247 ³	Floral Shop Management.....	3

PLANT SCIENCE TECHNOLOGY

Associate in Applied Science Degree...continued

HORTICULTURE

Required:

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

Electives:

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

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

LANDSCAPE DESIGN

Required:

PKM	210	Drainage and Irrigation.....	3
PKM	213	Landscape Graphics	3
PKM	214	Landscape Design I.....	3
PKM	215	Landscape Design II.....	3
PKM	216	Landscape Construction Process and Materials	4
PST	101	Woody Plants	4
PST	103 ³	Herbaceous Plants	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	220	Arboriculture	4
PKM	230 ⁶	Contracts, Specifications, Estimating.....	3
PKM	240 ⁶	Grounds Equipment Power Units.....	4
PKM	242 ⁶	Golf Course and Athletic Field Management.....	4
PST	212	Turfgrass Science.....	4
PST	248 ⁶	Garden Center Operations	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 and 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.

♦ Students need to choose a course to meet the Humanities or Social Science requirement that also meets the World Cultures and Diversity graduation requirement.

PLANT SCIENCE TECHNOLOGY

Advanced Floral Design Certificate

Graduates of this 33 credit-hour certificate program are prepared for advanced floral design work and are able to work in all phases of design within the floral industry.

Required:

PKM	100	Park and Horticulture Careers.....	1
PST	104	Beginning Floral Design	3
PST	107	Cut Flower and Foliage Identification.....	4
PST	112	History of Floral Design I	3
PST	204	Intermediate Floral Design	3
PST	205	High Style and Tropical Floral Design.....	3
PST	206	Wedding and Sympathy Floral Design.....	3
PST	207	Permanent Botanical Design.....	3
PST	208	Advanced Floral Techniques.....	4
PST	245	History of Floral Design II	3
PST	247	Floral Shop Management	3

Basic Horticultural Skills Certificate

Graduates of this 20 credit-hour certificate program will be able to produce disease and pest free plants from seeds as well as by a variety of vegetative methods as commonly encountered in the greenhouse and nursery industry.

Required:

PKM	100	Park and Horticulture Careers.....	1
PST	101	Woody Plants	4
PST	102	Plant Diseases and Pests	4
PST	105	Indoor Plants.....	4
PST	110	Soil Science	4
PST	111	Basic Horticulture Skills.....	3

Floral Design Certificate

Graduates of this 17 credit-hour certificate program are prepared for employment or promotion in retail and wholesale floral businesses.

Required:

PKM	100	Park and Horticulture Careers.....	1
PST	104	Beginning Floral Design	3
PST	107	Cut Flower and Foliage Identification.....	4
PST	112	History of Floral Design I	3
PST	204	Intermediate Floral Design	3
PST	247	Floral Shop Management.....	3

Garden Center Operations Certificate

Graduates of this 30 credit-hour certificate program are prepared for employment or promotion with garden center and retail outlets of plant materials and associated merchandise.

Required:

PKM	100	Park and Horticulture Careers.....	1
PKM	213	Landscape Graphics	3
PST	101	Woody Plants	4
PST	102	Plant Diseases and Pests	4
PST	103	Herbaceous Plants	4
PST	105	Indoor Plants.....	4
PST	110	Soil Science	4
PST	111	Basic Horticultural Skills.....	3
PST	248	Garden Center Operations.....	3

PLANT SCIENCE TECHNOLOGY

Landscape Design Certificate

Graduates of this 44 credit-hour certificate are prepared for employment or promotion in residential and commercial landscape design and landscape construction planning and estimating.

Required:

PKM	100	Park and Horticulture Careers.....	1
PKM	140	Grounds Equipment and Shop Operation.....	4
PKM	210	Drainage and Irrigation.....	3
PKM	213	Landscape Graphics	3
PKM	214	Landscape Design I.....	3
PKM	215	Landscape Design II.....	3
PKM	216	Landscape Construction Process and Materials	4
PST	101	Woody Plants	4
PST	102	Plant Diseases and Pests	4
PST	103	Herbaceous Plants	4
PST	110	Soil Science	4
PST	111	Basic Horticultural Skills	3
PST	212	Turfgrass Sciences.....	4