



DEPARTMENT OF PLANT & SOIL SCIENCES

What Is Landscape Horticulture and Design?

Landscape Horticulture and Design fuses the creative aspects of art and design with the technical and scientific aspects of horticulture. These two unique but equally rewarding fields encompass the analysis, planning, design, implementation and management of natural and built environments. Technology plays an important role in landscape horticulture and design – allowing today’s professionals to use advanced tools to map out projects, perform detailed analyses, run businesses efficiently, and quickly revise and update designs and business plans.

The LHD Program at Delaware

The goals of the Landscape Horticulture and Design major are to graduate students who are able to: evaluate sustainable practices related to the preservation of the environment; analyze the ways in which people, plants and soils interact with the overall environment so as to promote the conservation of natural resources; analyze plant and soil processes at the landscape scale; create clear and articulate oral and written presentations; analyze the role that plants and soils play in human experiences so as to promote the responsible management of the environment; and evaluate the applications of horticulture and design to the broader regional, national and global context.

Courses and Concentrations

The LHD program is plant and soil based, offering a unique blend of quality design instruction with a major infusion of soils and plant materials. All students in the LHD major take a core group of courses, which includes basic chemistry, botany, ornamental horticulture, soil science, herbaceous plants and woody plants.

In addition to completing the core requirements,

students choose one of three concentrations from landscape horticulture, landscape design, or public horticulture.

The **Landscape Horticulture** concentration includes courses in surveying, wildlife conservation, entomology, communication, and business, as well as those in turf, landscape design and construction, and nursery and garden center management. This concentration is well suited for students considering graduate study in turf management or environmental horticulture or employment in the landscape industry as urban foresters, landscape contractors, garden center managers, nursery or greenhouse operators, park managers, or environmentalists with organizations like the Delaware Nature Society or the Department of Natural Resources and Environmental Control.

For those interested in a design-oriented career, the **Landscape Design** concentration is excellent preparation for both post-graduate employment in the creative field of landscape design or for graduate studies in landscape architecture or garden design. Course work includes field sketching; art; history of landscape design; basic and advanced landscape and planting design; construction; and landscape design technology. Admission to the program is competitive, and a portfolio review at the end of the sophomore year ensures high standards. Students are admitted to the concentration upon successful completion of 45 credit hours of undergraduate study (to include approved courses and a cumulative grade point average of 2.5 or higher) and committee review of a portfolio of their own work demonstrating creative and/or artistic aptitude.

For those interested in professional careers that promote horticulture, education and the public’s enjoyment of plants, **Public Horticulture** offers an

opportunity to prepare for positions with public gardens, urban greening organizations, non-profit organizations that promote plant and environmental education or for graduate studies in areas such as Public Horticulture Administration. Course subjects include entomology, economics, leadership, history of landscape design, public garden management, communications and business. Each student also participates in the Triad Internship and a capstone practicum in Public Horticulture as part of his or her degree program.

Facilities and Resources

The College of Agriculture and Natural Resources houses the LHD major, and its 350-acre complex includes Townsend and Worriwow halls, several small greenhouses, a woodlot, a wildlife habitat trail, a library, and a fully equipped computing site that features a computer-aided design laboratory. Serving as a living laboratory, the 10-acre University of Delaware Botanic Gardens provides a unique setting for plant study and evaluation and opportunities for research, maintenance, internships, and design projects. The Fischer Greenhouse Laboratory is used in teaching and research, and our brand new design studio in Worriwow Hall has state of the art technology and equipment.

Enriching the Academic Experience

To supplement coursework, students may choose to work on campus as a greenhouse or gardens assistant or to pursue research as a Science Scholar. Many take on design projects, or study abroad with the department in places like Brazil, Europe or Ecuador. Many students also join the Horticulture Club or the Design Interest Group, which sponsor plant sales, take field trips, and participate in professional development events.

The Landscape Horticulture and Design Curriculum

Starting with the first semester, LHD majors have at least one course in the major each term. To earn a bachelor's degree, students must complete 124 credits and meet specific requirements, as outlined in the University of Delaware Undergraduate Catalog.

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing	.3
First Year Experience	.1
Breadth Requirements	.12
Discovery Learning Experience	.3
Multicultural Course	.3

COLLEGE BREADTH REQUIREMENTS

Agricultural and Natural Resources	.9
A minimum of nine credits from any three different subject area codes, outside the subject area codes of the student's major, offered by the Departments in the College of Agriculture and Natural Resources. The exceptions would be any course that states in the course description that it cannot be used to satisfy the College breadth requirements, special problems, research, internships, first year experience, seminars and similar courses.	
Physical Science	.8
Minimum of 8 credits from CHEM, GEOL, PHYS, or SCEN. See major for specific requirement.	

Major Requirements	
CHEM 101 General Chemistry	.4
PLSC 101 Botany I	.4
PLSC 133 Ornamental Horticulture	.3
PLSC 171 New Student Colloquium	.1
PLSC 201 Botany II	.4
PLSC 204 Introduction to Soil Science	.3
PLSC 205 Introduction to Soil Science Lab	.1
PLSC 211 Herbaceous Landscape Plants	.3
PLSC 212 Woody Plants	.4
PLSC 214 Indigenous Woody Plants of Eastern US	.4

In addition to completing the above requirements, one of the following concentrations must be completed:

Landscape Horticulture Concentration

BREG 113 Introduction to Surveying	.3
ENWC 201 Wildlife Conservation and Ecology	.3
ENWC 205 Elements of Entomology	.3
FREC 150 Economics of Ag and Natural Resources	.3
PLSC 232 Basic Landscape Design I	.4
PLSC 331 Landscape Construction Systems	.4
PLSC 313 Turf Establishment and Maintenance	.4

PLSC 364 Landscape Horticulture Internship	.3
PLSC 403 Nursery and Garden Center Management	.4
PLSC 455 Issues in Plant and Soil Sciences	.3
SPAN 105 Spanish 1-Elementary	.4
Communications course	.3
Business course	.3

Landscape Design Concentration

Admission to the concentration is restricted. See catalog.

BREG 113 Introduction to Surveying	.3
PLSC 103 Landscape and Field Sketching	.4
PLSC 202 History of Landscape Design	.3
PLSC 232 Basic Landscape Design	.4
PLSC 333 Estimating and Bidding	.1
PLSC 301 CAD for Landscape Designers	.3
PLSC 330 Landscape Construction Materials and Methods	.4
PLSC 331 Landscape Construction Systems	.4
PLSC 364 Landscape Horticulture Internship	.3
PLSC 408 Advanced Landscape Design	.4
PLSC 450 Planting Design	.4
PLSC 455 Issues in Plant and Soil Sciences	.3
SPAN 105 Spanish I - Elementary	.4
PLSC 203 Portfolio Review	.1
ART 129 or 130 or 138	.3
Business course	.3

Public Horticulture Concentration

ENWC 205 Elements of Entomology	.3
FREC 150 Economics of Ag and Natural Resources	.3
LEAD 100 Leadership, Integrity, and Change	.3
LEAD 404 Leadership in Organizations	.3
PLSC 202 History of Landscape Design	.3
PLSC 253 Triad Internship	.3
PLSC 313 Turf Establishment and Maintenance	.4
PLSC 433 Public Garden Management	.3
PLSC 453 Capstone Public Horticulture Practicum	.3
PLSC 465 Seminar	.1
Communications course	.3
Business courses	.6
Related Issues in Management courses	.3

FOR MORE INFORMATION

You are welcome to come talk with us about our majors and the ways in which we can help you reach your goals. Please contact us:



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