

Bachelor of Science in Horticulture

Horticulture is the profession that nurtures, produces, installs, and maintains the built landscape, and protects, restores, and manages existing and natural landscape resources. The Temple horticulture curriculum is built on a strong scientific foundation that includes both technical course work and hands-on learning experience. In order to broaden and deepen knowledge and understanding of the natural and cultural world, students also receive solid education in the liberal arts.

Our unique curriculum is one of the few undergraduate programs in which horticulture and landscape architecture are integrated. This relationship allows students to gain a greater understanding of the full range of the landscape process, which includes design, plant production, installation, and management of the urban and suburban landscape. They learn the relationships between horticulture, technology, and natural ecological processes, and develop a responsible horticultural approach toward the environment. The department encourages students to consider ways to eliminate many outmoded, environmentally damaging practices such as over-dependence on pesticides, herbicides, and irrigation, and use of harmful, invasive plants.

Graduates find exciting professional opportunities in landscape contracting, restoration, and management; wholesale or retail nurseries; urban forestry; floriculture; public horticulture; garden restoration; horticultural therapy; and interior plantscaping. Research, teaching and extension are also rewarding areas within the horticulture profession.

Courses for the Bachelor of Science in Horticulture are offered at the Ambler Campus with a portion of the coursework also available on Temple's Main and Center City campuses.

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Summary of Requirements for the Degree

The degree of Bachelor of Science in Horticulture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 124 semester hours of credit with a minimum cumulative GPA of 2.0 overall and in the major.

University Requirements

- MATH 0701 (4 s.h.) and/or ENG 0701 (4 s.h.), if required by placement assessment.
- All Temple students must take a minimum of two writing-intensive courses as part of the major. LARC 2496 and HORT 4896 are the specific writing-intensive courses required for Horticulture majors.
- Students must complete the requirements of the General Education (GenEd) program (29-30 s.h.)
 - Earning a minimum grade of C- in CHEM 1021 & CHEM 1023 and CHEM 1022 & CHEM 1024 will waive both GenEd Science & Technology (GS) requirements.
 - Summer or semester study abroad will satisfy the GenEd Global/World Society (GG) requirement.

Major Requirements

No more than one grade below a C- is allowed in any course in either Landscape Architecture or Horticulture.

Code	Title	Credit Hours
BOT 1111	General Botany (fall only)	4
BOT 1112	Plant Ecology (spring only)	3
BOT 2121	Plant Physiology (spring only)	4
BOT 3122	Applied Plant Physiology (fall only)	3

CHEM 1021 & CHEM 1023	Introduction to Chemistry I and Introduction to Chemistry Laboratory I (fall only)	4
CHEM 1022 & CHEM 1024	Introduction to Chemistry II and Introduction to Chemistry Laboratory II (spring only)	4
HORT 1211	Woody Plants I (fall only)	3
HORT 1212	Woody Plants II (spring only)	3
HORT 1566	Horticulture Business Management	3
HORT 2114	Soils (spring only)	3
HORT 2221	Herbaceous Plants I (fall only)	3
HORT 2222	Herbaceous Plants II (spring only)	3
HORT 2323	Greenhouse Management (fall only)	3
HORT 2324	Plant Propagation (spring only)	3
HORT 2334	Food Crops I (spring only)	3
HORT 2575	Introduction to Public Horticulture	3
HORT 3423	Applied Entomology (fall only)	3
HORT 3424	Applied Plant Pathology (spring only)	3
HORT 3514	Landscape Restoration (spring only)	3
HORT 3523	Landscape Management (fall only)	3
HORT 4896	Senior Seminar (Capstone (WI), fall only)	3
LARC 2496	Landscape Traditions (WI)	3
Select four of the following:		12
Landscape Architecture Elective (LARC 1000-level or higher)		
Horticulture Elective (HORT 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		
Total Credit Hours		82

Suggested Academic Plan

Please note that this is a suggested academic plan. Depending on your situation, your academic plan may look different.

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Requirements for New Students starting in the 2020-2021 Academic Year

Code	Title	Credit Hours
Note: The symbol after the course number indicates that the class is offered ONLY in the semester indicated.		
(F) = offered only in fall semester		
(S) = offered only in spring semester		
Year 1		
Fall		Credit Hours
BOT 1111	General Botany (F)	4
CHEM 1021 & CHEM 1023	Introduction to Chemistry I (F) ¹	4
ENG 0802, 0812, or 0902	Analytical Reading and Writing [GW]	4
GenEd Breadth Course		3
Term Credit Hours		15
Spring		
BOT 1112	Plant Ecology (S)	3
CHEM 1022 & CHEM 1024	Introduction to Chemistry II (S) ¹	4
IH 0851 or 0951	Intellectual Heritage I: The Good Life [GY]	3
GenEd Quantitative Literacy Course [GQ]		4
GenEd Breadth Course		3
Term Credit Hours		17

Year 2

Fall

HORT 1211	Woody Plants I (F)	3
HORT 2323	Greenhouse Management (F)	3
GenEd Breadth Course		3
IH 0852 or 0952	Intellectual Heritage II: The Common Good [GZ]	3
Select one of the following:		3
Horticulture Elective (HORT 1000-level or higher)		
Landscape Architecture Elective (LARC 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		

Term Credit Hours	15
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Spring

BOT 2121	Plant Physiology (S)	4
HORT 1212	Woody Plants II (S)	3
HORT 2114	Soils (S)	3
HORT 2324	Plant Propagation (S)	3
HORT 2575	Introduction to Public Horticulture	3

Term Credit Hours	16
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Year 3

Fall

GenEd Breadth Course		3
HORT 2221	Herbaceous Plants I (F)	3
HORT 3523	Landscape Management (F)	3
LARC 2496	Landscape Traditions [WI] (F)	3
Select one of the following:		3
Horticulture Elective (HORT 1000-level or higher)		
Landscape Architecture Elective (LARC 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		

Term Credit Hours	15
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Spring

HORT 2222	Herbaceous Plants II (S)	3
HORT 2334	Food Crops I (S)	3
HORT 3514	Landscape Restoration (S)	3
GenEd Breadth Course		3
HORT 1566	Horticulture Business Management	3

Term Credit Hours	15
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Year 4

Fall

BOT 3122	Applied Plant Physiology (F)	3
HORT 3423	Applied Entomology (F)	3
HORT 4896	Senior Seminar [WI] (Capstone, F)	3
Select one of the following:		3
Horticulture Elective (HORT 1000-level or higher)		
Landscape Architecture Elective (LARC 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		

Elective		4
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Term Credit Hours	16
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Spring

HORT 3424	Applied Plant Pathology (S)	3
Select one of the following:		3
Horticulture Elective (HORT 1000-level or higher)		
Landscape Architecture Elective (LARC 1000-level or higher)		

Botany Elective (BOT 1000-level or higher)	9
Electives	15
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Term Credit Hours	15
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Total Credit Hours:	124

¹ Satisfactory completion of CHEM 1021, CHEM 1022, CHEM 1023, and CHEM 1024 will waive the two-course GenEd Science (GS) requirement.