

# Horticulture AS

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## Overview

The **Associate in Science in Horticulture** is offered by the department of Architecture and Environmental Design (AED). The majority of courses for the Associate in Science in Horticulture are offered on the Ambler Campus.

Students pursuing the Associate's degree in Horticulture learn core organismal and horticultural science, landscape plant material, and installation and management techniques. The curriculum is designed to prepare students for entry into the rapidly expanding horticultural industry and the coursework allows students to participate in valuable hands-on experience.

**Campus Location:** Ambler

**Program Code:** TA-HORT-AS

## Study Paths

### General Horticulture Option

This option is for students interested in developing a well-rounded background in all areas of horticulture or specializing in a particular area of interest such as floral design, integrated pest management or arboriculture.

### Horticulture Business Option

This option is for students interested in developing a background in landscape horticulture and in business.

## Admissions

For information on how to apply, please visit Tyler's Landscape Architecture and Horticulture admissions page.

## Study Abroad

Students who plan to study abroad should arrange to meet with their academic advisor and the Education Abroad and Overseas Campuses office as early as possible, preferably during the freshman year, in order to explore options and plan the sequence of courses that would be most appropriate.

## Career Opportunities

Careers in horticulture are available in both the public and private sector. Graduates with a degree in horticulture could be involved in the production, use, installation and management of plants. They may:

- Work in public horticulture in arboreta, botanic gardens, parks or golf courses;
- Teach in a high school, community college or at the university level;
- Pursue an advanced degree and conduct research in plant propagation or stormwater management;
- Produce plants in greenhouses and nurseries for sale and landscape use;
- Design, install and/or maintain residential, commercial or public landscapes;
- Research new technologies and plants in private and public institutions;
- Work toward registration as a horticultural therapist;
- Write about plants and horticulture for articles, books and copy on web sites;
- Work as an extension agent or specialist helping residential and commercial clients;
- Work in interior landscaping or floral design;
- Work as a sales representative for horticultural or allied industries; and/or
- Own and operate their own business.

## Continuing Studies

The Department of Architecture and Environmental Design offers a variety of credit courses and certificate programs. These courses and certificates are available to degree-seeking students as well as others interested in horticulture. For many, these courses are a means of advancing careers; for others, they are a source of personal enrichment. It is also possible, over a period of years, to complete all of the requirements for some credit certificate programs and for the associate's and the bachelor's degrees in Horticulture by attending late afternoon, evening and weekend classes.

## Contact Information

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Learn more about the Associate in Science in Horticulture.

*These requirements are for students who matriculated in academic year 2023-2024. Students who matriculated prior to fall 2023 should refer to the Archives to view the requirements for their Bulletin year.*

## Summary of Requirements

The degree of Associate in Science in Horticulture may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 60 semester hours with a minimum cumulative GPA of 2.0 overall and in the major.

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

### Program Requirements for General Horticulture Option

Code	Title	Credit Hours
BOT 1111	General Botany (fall only)	4
BOT 1112	Plant Ecology (spring only)	3
HORT 1001	Fundamentals of Horticulture	2
HORT 1211	Woody Plants I (fall only)	3
HORT 1212	Woody Plants II (spring only)	3
HORT 2334	Food Crops I (spring only)	3
HORT 2221	Herbaceous Plants I (fall only)	3
HORT 2323	Greenhouse Management (fall only)	3
HORT 3423	Applied Entomology (fall only)	3
HORT 3523	Landscape Management (fall only)	3
HORT 2114	Soils (spring only)	3
HORT 2222	Herbaceous Plants II (spring only)	3
HORT 2324	Plant Propagation (spring only)	3
HORT 3424	Applied Plant Pathology (spring only)	3
Select four of the following:		11-12
Landscape Architecture Elective (LARC 1000-level or higher)		
Horticulture Elective (HORT 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		
ENG 0802	Analytical Reading and Writing	4
or ENG 0812	Analytical Reading and Writing: ESL	
or ENG 0902	Honors Writing About Literature	
Select one of the following:		3-4
MATH 0701	Basic Mathematics for Today's World	
GenEd Quantitative Literacy (GQ)		
STAT 1001	Quantitative Methods for Business I	
<b>Total Credit Hours</b>		<b>60</b>

### Program Requirements for Horticulture Business Option

Code	Title	Credit Hours
HORT 1211	Woody Plants I (fall only)	3
BOT 1112	Plant Ecology (spring only)	3
HORT 2221	Herbaceous Plants I (fall only)	3
HORT 3423	Applied Entomology (fall only)	3
HORT 1212	Woody Plants II (spring only)	3
HORT 2114	Soils (spring only)	3

HORT 3424	Applied Plant Pathology (spring only)	3
Select two of the following:		6
HORT 2323	Greenhouse Management (fall only)	
HORT 2366	Nursery Operation, Management, and Production Techniques (offered occasionally)	
HORT 3523	Landscape Management (fall only)	
Select one of the following:		3
HORT 2222	Herbaceous Plants II (offered occasionally)	
HORT 2555	Arboriculture (spring only)	
HORT 2565	Turf Management (offered occasionally)	
HORT 3514	Landscape Restoration (spring only)	
<b>Additional Academic Requirements</b>		
ENG 0802	Analytical Reading and Writing	4
or ENG 0812	Analytical Reading and Writing: ESL	
or ENG 0902	Honors Writing About Literature	
ENG 2007	Writing for Business and Industry	3
ACCT 2501	Survey of Accounting	3
ECON 1101	Macroeconomic Principles	3
HRM 1101	Leadership and Organizational Management	3
LGLS 0856	Law and American Society	3
or LGLS 1112	Law for Business	
or LGLS 1102	Law of Contracts	
or BA 1103	Legal and Ethical Reasoning in Business	
MKTG 2101	Marketing Management <sup>1</sup>	3
RMI 2101	Introduction to Risk Management	3
STAT 1001	Quantitative Methods for Business I	3
Elective <sup>2</sup>		3
<b>Total Credit Hours</b>		<b>61</b>

1

ECON 1101 is required prerequisite for this course.

2

ECON 1102 is strongly recommended to fulfill this elective credit.

## Suggested Academic Plans

Please note that these are suggested academic plans. Depending on your situation, your academic plan may look different.

### Associate in Science in Horticulture - General Horticulture Option

#### Suggested Plan for New Students Starting in the 2023-2024 Academic Year

Code	Title	Credit Hours
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Note: The symbol after the course title indicates that the class is offered ONLY in that semester

(F) = offered fall only

(S) = offered spring only

Year 1		Credit Hours
Fall		
BOT 1111	General Botany (F)	4
HORT 1001	Fundamentals of Horticulture	2
HORT 1211	Woody Plants I (F)	3
ENG 0802	Analytical Reading and Writing	4
or ENG 0812	or Analytical Reading and Writing: ESL	
or ENG 0902	or Honors Writing About Literature	

Select one of the following:

3-4

MATH 0701	Basic Mathematics for Today's World	
GenEd Quantitative Literacy Course <sup>GQ</sup>		
STAT 1001	Quantitative Methods for Business I	
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
BOT 1112	Plant Ecology (S)	3
HORT 1212	Woody Plants II (S)	3
HORT 2334	Food Crops I (S)	3
Select two from the following:		5-6
Landscape Architecture Electives (LARC 1000-level or higher)		
Horticulture Electives (HORT 1000-level or higher)		
Botany Electives (BOT 1000-level or higher)		
<b>Credit Hours</b>		<b>14</b>
<b>Year 2</b>		
<b>Fall</b>		
HORT 2221	Herbaceous Plants I (F)	3
HORT 2323	Greenhouse Management (F)	3
HORT 3423	Applied Entomology (F)	3
HORT 3523	Landscape Management (F)	3
Select one of the following:		3
Landscape Architecture Elective (LARC 1000-level or higher)		
Horticulture Elective (HORT 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
HORT 2114	Soils (S)	3
HORT 2222	Herbaceous Plants II (S)	3
HORT 2324	Plant Propagation (S)	3
HORT 3424	Applied Plant Pathology (S)	3
Select one of the following:		3
Landscape Architecture Elective (LARC 1000-level or higher)		
Horticulture Elective (HORT 1000-level or higher)		
Botany Elective (BOT 1000-level or higher)		
<b>Credit Hours</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>60</b>

## Associate in Science in Horticulture - Horticulture Business Option

Code	Title	Credit Hours
Note: The symbol after the course title indicates that the class is offered ONLY in that semester		
(F) = offered only in fall semester		
(S) = offered only in spring semester		
(O) = offered occasionally		
<b>Year 1</b>		
<b>Fall</b>		<b>Credit Hours</b>
HORT 1211	Woody Plants I (F)	3
ENG 0802 or ENG 0812 or ENG 0902	Analytical Reading and Writing or Analytical Reading and Writing: ESL or Honors Writing About Literature	4
ECON 1101	Macroeconomic Principles	3
STAT 1001	Quantitative Methods for Business I	3
Select one of the following:		3

LGLS 0856	Law and American Society	
LGLS 1112	Law for Business	
LGLS 1102	Law of Contracts	
BA 1103	Legal and Ethical Reasoning in Business	
<b>Credit Hours</b>		<b>16</b>
<b>Spring</b>		
BOT 1112	Plant Ecology (S)	3
HORT 1212	Woody Plants II (S)	3
HRM 1101	Leadership and Organizational Management	3
ENG 2007	Writing for Business and Industry	3
Elective <sup>1</sup>		3
<b>Credit Hours</b>		<b>15</b>
<b>Year 2</b>		
<b>Fall</b>		
HORT 2221	Herbaceous Plants I (F)	3
HORT 3423	Applied Entomology (F)	3
ACCT 2501	Survey of Accounting	3
Select two of the following:		6
HORT 2323	Greenhouse Management (F)	
HORT 2366	Nursery Operation, Management, and Production Techniques (O)	
HORT 3523	Landscape Management (F)	
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
HORT 2114	Soils (S)	3
HORT 3424	Applied Plant Pathology (S)	3
MKTG 2101	Marketing Management	3
RMI 2101	Introduction to Risk Management	3
Select one of the following:		3
HORT 2222	Herbaceous Plants II (S)	
HORT 2555	Arboriculture (S)	
HORT 2565	Turf Management (O)	
HORT 3514	Landscape Restoration (S)	
<b>Credit Hours</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>61</b>

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ECON 1102 Microeconomic Principles strongly recommended.