



## SUNY NIAGARA Horticulture, A.A.S.

### Overview

Horticulture is an intensive subset of agriculture that deals with ornamental plants, fruits, vegetables, medicinal plants, and hemp. Horticulturists need to understand how to identify, propagate, grow, install, and maintain plants. With both science-based theory and practical, hands-on experience, students in this program are introduced to the techniques of the industry using professional tools and equipment on real-world projects. Externships and collaborative activities provide students with educational and networking opportunities with local industry leaders. Graduates are prepared for the New York State Certified Nursery and Landscape Professional exam and the NYS Pesticide Applicator's exam.

### Careers

Careers related to your program of study:

- Cannabis Industry Professional
- Florist and Interior Plant Care Specialist
- Garden Center / Nursery Manager
- Greenhouse Grower
- Landscape Design
- Landscape Installation and Maintenance Crew Leader

Some careers may require more specialized education.

### Contact

#### Program Coordinator

Carolyn Stanko, CNLP

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#### Division

Business & STEM

716-614-6410

*Visit full catalog for specific course offerings for each semester:*

<https://sunyniagara.edu/courses/horticulture-a-a-s/>

<https://tinyurl.com/4e36eb4t>

### Program Requirements

#### First Semester

#### Credits

|  |   |
|--|---|
| BIO 102 - Introduction to Plant Biology      | 3 |
| BIO 102L - Introduction to Plant Biology Lab | 0 |
| ENG 101 - Writing I                          | 3 |
| HRT 171 - Woody Landscape Plants             | 3 |
| HRT 171L - Woody Landscape Plants Lab        | 0 |
| HRT ____ - Horticulture Elective             | 3 |
| HRT ____ - Horticulture Elective             | 3 |

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**Total Credit Hours:****15 Cr.**

## Second Semester

|   |               |
|---|---------------|
| BIO 230 - Introduction to Soil Science      | 3             |
| BIO 230L - Introduction to Soil Science Lab | 0             |
| ENG 102 - Writing II OR                     |               |
| ENG 103 – Writing for STEM                  | 3             |
| HRT 181 - Herbaceous Landscape Plants       | 3             |
| HRT 181L - Herbaceous Landscape Plants Lab  | 0             |
| HRT 184 - Plant Protection                  | 3             |
| ____ - Horticulture Elective                | 3             |
| <b>Total Credit Hours:</b>                  | <b>15 Cr.</b> |

## Third Semester

|   |               |
|---|---------------|
| ____ - Business Elective selected through advisement  | 3             |
| ____ - Computer Technology (CIS) Elective   | 1             |
| HRT ____ - Horticulture Elective  | 3             |
| HRT ____ - Horticulture Elective that also meets a General Education category                 | 3             |
| ____ - Liberal Arts/ Diversity: Equity, Inclusion & Social Justice General Education Elective | 3             |
| ____ - Mathematics & Quantitative Reasoning (MATH) General Education Elective                 | 3             |
| <b>Total Credit Hours:</b>  | <b>16 Cr.</b> |

## Fourth Semester

|   |               |
|---|---------------|
| HRT 209 - Horticulture Externship                             | 3             |
| HRT ____ - Horticulture Elective                              | 3             |
| HRT ____ - Horticulture Elective                              | 2             |
| ____ - Communication – Oral (COMO) General Education Elective | 3             |
| ____ - Free Electives   | 5             |
| <b>Total Credit Hours:</b>                                    | <b>16 Cr.</b> |

*The information provided is subject to change throughout the academic year. 3/9/2026*