



# 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 Coordinators

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#### Division

Business & STEM

716-614-6410

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

[www.niagaracc.suny.edu/programs/hort](http://www.niagaracc.suny.edu/programs/hort)

### 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 & Introduction to Literature 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

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**Total Credit Hours: 15 Cr.**

#### 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

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**Total Credit Hours: 16 Cr.**

#### 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

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**Total Credit Hours: 16 Cr.**

*The information provided is subject to change throughout the academic year.*