

# HORTICULTURE TECHNOLOGY, A.A.S.

**Location(s):** LO  
**NOVA Code:** 3350

## Purpose

The curriculum is designed to prepare students for full-time employment within the field of commercial horticulture as well as for those presently working who seek further knowledge and advancement.

Graduates of the program are prepared for managerial/supervisory level positions in areas which include landscape design and installation, grounds maintenance, floristry, greenhouse and nursery management, garden center operation, and sales and marketing in related industries.

Students in this program have an opportunity to gain career-related work experience through Cooperative Education or an internship in their area of emphasis.

## Related Specialization

Landscape Design (<https://catalog.nvcc.edu/programs/horticulture-technology-landscape-design-specialization-aas/>)

## Two Years

| Course  | Title  | Credits      |
|---|--|--------------|
| <b>1st Semester</b>   |  |              |
| ENG 111   | College Composition I                        | 3            |
| HRT 100   | Introduction to Horticulture                 | 3            |
| HRT 127   | Horticultural Botany                         | 3            |
| HRT 160   | Applied Mathematics for the Green Industry   | 2            |
| HRT 201   | Landscape Plants I                           | 3            |
| Select one of the following:  |  | 3-4          |
| MTH 154   | Quantitative Reasoning                       |              |
| MTH 155   | Statistical Reasoning (or Higher)            |              |
| Physical or Life Science Elective w/Lab ( <a href="https://catalog.nvcc.edu/general-education-electives/#ge_phy_life_sci_elec">https://catalog.nvcc.edu/general-education-electives/#ge_phy_life_sci_elec</a> ) |  |              |
| SDV 100<br>or SDV 101   | College Success Skills<br>or Orientation to: | 1            |
| <b>Credits</b>  |  | <b>18-19</b> |
| <b>2nd Semester</b>   |  |              |
| HRT 115   | Plant Propagation                            | 3            |
| HRT 120   | History of Garden Design                     | 3            |
| HRT 202   | Landscape Plants II                          | 3            |
| Select one of the following Business Electives:   |  | 3            |
| BUS 100   | Introduction to Business                     |              |
| BUS 116   | Entrepreneurship                             |              |
| BUS 117   | Leadership Development                       |              |
| BUS 165   | Small Business Management                    |              |
| BUS 200   | Principles of Management                     |              |
| BUS 260   | Planning for Small Business                  |              |
| Select one of the following CST Electives: <sup>3</sup>   |  |              |
| CST 100   | Principles of Public Speaking                |              |
| CST 110   | Introduction to Human Communication          |              |
| CST 115   | Small Group Communication                    |              |
| CST 126   | Interpersonal Communication                  |              |
| CST 227   | Business and Professional Communication      |              |
| CST 229   | Intercultural Communication                  |              |
| <b>Credits</b>  |  | <b>12</b>    |

|   |  |              |
|---|--|--------------|
| <b>3rd Semester</b>   |  |              |
| HRT 231   | Planting Design I                                  | 3            |
| HRT 245   | Woody Plants                                       | 3            |
| Humanities/Fine Arts Elective ( <a href="https://catalog.nvcc.edu/general-education-electives/#ge_hum_fa_elec">https://catalog.nvcc.edu/general-education-electives/#ge_hum_fa_elec</a> )                 |  | 3            |
| HRT 259<br>or HRT 269   | Arboriculture<br>or Professional Turf Care         | 3            |
| Select one of the following:  |  | 3-4          |
| HRT 135   | Training for Commercial Pesticide Application      |              |
| HRT 125   | Chemicals in Horticulture                          |              |
| CHM 101   | Introductory Chemistry I <sup>1</sup>              |              |
| CHM 111   | General Chemistry I <sup>1</sup>                   |              |
| <b>Credits</b>  |  | <b>15-16</b> |
| <b>4th Semester</b>   |  |              |
| HRT Elective <sup>2</sup>   |  | 3            |
| HRT 205   | Soils  | 3            |
| HRT 207   | Plant Pest Management                              | 3            |
| HRT 275   | Landscape Construction & Maintenance               | 3            |
| HRT 290<br>or HRT 297   | Coordinated Internship<br>or Cooperative Education | 1            |
| Social/Behavioral Sciences Elective ( <a href="https://catalog.nvcc.edu/general-education-electives/#ge_soc_beh_sci_elec">https://catalog.nvcc.edu/general-education-electives/#ge_soc_beh_sci_elec</a> ) |  | 3            |
| <b>Credits</b>  |  | <b>16</b>    |
| <b>Total Credits</b>  |  | <b>61-63</b> |

Elective should be selected with advice of a counselor or academic advisor to meet requirements of the transfer institution.

<sup>1</sup> Students cannot receive credit for both CHM 101 Introductory Chemistry I and CHM 111 General Chemistry I. If students use CHM 101 Introductory Chemistry I or CHM 111 General Chemistry I for the Physical or Life Science w/Lab (3-4) credit they cannot use it also for the Horticulture Chemistry requirement.

<sup>2</sup> Course chosen must align with Coordinated Internship or Cooperative Education focus.