

Greenhouse Operations (10-001-6)

Associate of Applied Science

Effective 2026/2027

The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan. Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.). More detailed scheduling information for this program can be found at <https://www.gtc.edu/greenhouse-operations>. Please see your academic advisor for additional information.

K-D = Kenosha/days, F=Fall, S=Spring, SU=Summer

| Term | Course Number | Credits | Course Title | Requisites (prereq-before/ coreq-with) | Notes | K-D |
|------|---------------|---------|------------------------------------|--|--|-----|
| 1 | 890-155 | 1 | Gateway to Success (G2S) | | <ul style="list-style-type: none"> Students are required to take this course in their first semester of enrollment. Please see an advisor for details. | F |
| 1 | *001-185 | 3 | Intro to Horticulture | | <ul style="list-style-type: none"> Faculty have identified this milestone course as providing a strong foundation for success throughout the program. | F |
| 1 | *001-143 | 3 | Herbaceous Plants | Coreq: 001-185 | | F |
| 1 | *001-146 | 1 | Sustainable Landscape | | <ul style="list-style-type: none"> Faculty have identified this milestone course as providing a strong foundation for success throughout the program. | F |
| 1 | *001-147 | 1 | Soils and Plant Nutrition | | <ul style="list-style-type: none"> Faculty have identified this milestone course as providing a strong foundation for success throughout the program. | F |
| 1 | *001-148 | 1 | Plant Pests and Beneficials | | | F |
| 1 | 804-134 | 3 | Mathematical Reasoning | Prereq: 854-760 | <ul style="list-style-type: none"> Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details. | F |
| 2 | *001-128 | 3 | Horticulture Marketing | | | S |
| 2 | *001-129 | 1 | Pesticide Applicator Certification | | | S |
| 2 | *001-142 | 3 | Vegetable Science | | | S |
| 2 | *001-151 | 3 | Greenhouse Crops | Coreq: 804-134 OR 804-135; 801-136 | | S |
| 2 | 801-136 | 3 | English Composition 1 | Prereq: 831-103 OR 851-757 | <ul style="list-style-type: none"> Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details. | S |
| 2 | 461-120 | 3 | Small Power Equipment | | | S |

(*) Students must achieve a combined average of 2.0 ("C") or above for this major course to meet graduation requirements.

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| Term | Course Number | Credits | Course Title | Requisites (prereq-before/ coreq-with) | Notes | K-D |
|---|--------------------------|---------|--|--|--|-----|
| 3 | *001-111 | 3 | Horticulture Practicum | Prereq: 001-147; 001-151 | | SU |
| 3 | 801-196 OR 801-198 | 3 | Oral/Interpersonal Communication OR Speech | | | SU |
| 4 | *001-104 | 3 | Greenhouse Systems | Prereq: 001-151 | | F |
| 4 | *001-130 | 3 | Landscape Plants Trees/Shrubs Deciduous | Prereq: 001-185 | | F |
| 4 | *001-144 | 3 | Floral Design I/Commercial | | | F |
| 4 | 809-196 | 3 | Sociology, Introduction to | Prereq: 838-105 OR 851-757 | • Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details. | F |
| 5 | *001-149 | 3 | Horticulture Events | | | S |
| 5 | *001-154 | 3 | Alternative Growing Methods | Prereq: 001-104; 001-151 | | S |
| 5 | *001-180 | 1 | Horticulture Portfolio | Prereq: 001-130; 001-143; 001-147; 001-151 | | S |
| 5 | *104-104 | 3 | Selling Principles | | | S |
| 5 | 809-198 | 3 | Psychology, Introduction to | Prereq: 838-105 OR 851-757 | • Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details. | S |
| Minimum Program Total Credits Required: 60 | | | | | | |

(*) Students must achieve a combined average of 2.0 ("C") or above for this major course to meet graduation requirements.

Greenhouse Operations (10-001-6)

The Greenhouse Operations program trains students in greenhouse growing and operations, hydroponics, and retail garden center and floral shop management. Hands-on experience in a commercial greenhouse, ornamental gardens and an operating urban farm are part of the learning experience. Plant identification, care and culture are key elements of the program, as are technical and graphic skills, sustainable methods for plant care and creative approaches to problem solving and landscape design.

Program Learning Outcomes

Graduates will be able to:

- 1 Analyze growing media.
- 2 Diagnose plant health.
- 3 Communicate as a horticulture professional.
- 4 Apply design principles.
- 5 Provide horticulture maintenance.
- 6 Apply the principles of plant science.

Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:

- 1 Communication Competence
- 2 Critical Thinking and Problem Solving
- 3 Professionalism and Career Management
- 4 Teamwork and Collaboration
- 5 Cultural Competence
- 6 Technology Competence

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway for exact fee amounts. The District reserves the right to modify, cancel, or relocate course offerings in response to factors such as low enrollment, resource availability, or other relevant considerations to ensure high-quality educational experiences. Students will be notified in writing and are encouraged to meet with their Academic Advisor to adjust their academic plan.

Admission Requirements

- 1 Students must submit an application and pay \$30 fee.
- 2 Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.

Graduation Requirements

- 1 Minimum 60 credits with a cumulative GPA of 2.0 or above.
- 2 *Average of 2.0 ("C") or above for these major courses.
- 3 Complete 890-155 Gateway to Success (G2S) in the first semester.

For a complete list of Graduation Requirements, check the Student Handbook or [Graduation Requirements](#).

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