



Greenhouse Operations (10-001-6)

Associate of Applied Science

Effective 2023/2024

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.).

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

Term	Course #	Cr.	Course Title	Requisites (prereq- before/ coreq-with)	K-D
1	890-155	1	📍 Gateway to Success (G2S)		F
1	*001-185	3	🎓 Intro to Horticulture		F
1	*001-143	3	Herbaceous Plants	Coreq: 001-185	F
1	*001-146	1	🎓 Sustainable Landscape		F
1	*001-147	1	🎓 Soils and Plant Nutrition		F
1	*001-148	1	Plant Pests and Beneficials		F
1	804-135	3	Quantitative Reasoning ^{1,2}	Prereq: 834-109	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: 804-135; 801-136	S
2	801-136	3	English Composition 1 ^{1,2}	Prereq: 831-103 OR 831-107	S
2	XXX-XXX	3	Elective Course	Take 3 credits at the associate degree level. Suggested electives listed on back.	S
3	*001-111	3	Horticulture Practicum	Prereq: 001-147; 001-151	SU
3	801-196 OR 801-198	3 OR 3	Oral/Interpersonal Communication OR Speech ²		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 ²		F
4	809-196	3	Sociology, Introduction to ^{1,2}	Prereq: 838-105 OR 831-107	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 ^{1,2}	Prereq: 838-105 OR 831-107	S

Minimum Program Total Credits Required: 60

Notes associated with courses (identified by a superscript number at the end of the course title) are located on the back of the sheet.

📍 Mastery of this course will put students on a path to achieve successful degree completion, on-time graduation, and enrich the college experience. Students are required to take this course in their first semester of enrollment. Please see an advisor for details.

🎓 = Milestone Course. Faculty have identified this course as providing a strong foundation for success throughout the program.

(*) indicates students must achieve a combined average of 2.0 ("C") or above for these major courses 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:

- Communication
- Professionalism and Career Management
- Cultural Competence
- Critical Thinking and Problem Solving
- Teamwork and Collaboration
- Technology Competence

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

- Minimum 60 credits with an average of 2.0 or above.
- *Average of 2.0 ("C") or above for these major courses.
- 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](#).

Suggested Electives

001-103 Permaculture	001-117 Landscape Design/Advanced
001-150 Floristry	001-105 Dendrology & Silvics
001-153 Fruit Science	001-184 Eco. Basics for Natural Res. Mang.
001-186 People, Resources & Sustainability	001-199 Fish, Forestry & Wildlife

Notes

1. Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.
2. A credit for prior learning assessment is available for this course. For more information, please contact cfpl@gtc.edu.

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. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.