



## Greenhouse Operations (10-001-6)

Associate of Applied Science  
**Effective 2020/2021**

*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.*

**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	801-136	3	English Composition 1 <sup>1,3</sup>	Prereq: 831-103 OR 831-107	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	804-135	3	Quantitative Reasoning <sup>1</sup>	Prereq: 834-109	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	103-143	3	Computers for Professionals <sup>3</sup>		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	801-196	3	Oral/Interpersonal Communication		F
4	809-196	3	Sociology, Introduction to <sup>1,2,3</sup>	Prereq: 838-105 OR 831-107	F
5	*001-149	3	Horticulture Events		S
5	*001-154	3	Alternative Growing Methods	Prereq: 001-104 OR 140; 001-151	S
5	*001-180	1	Horticulture Portfolio	Prereq: 001-111; 128; 130; 143; 147; 151; 801-136; 804-135	S
5	*104-104	3	Selling Principles		S
5	809-198	3	Psychology, Introduction to <sup>1,2,3</sup>	Prereq: 838-105 OR 831-107	S

**Minimum Program Total Credits Required: 63**

<b>AVAILABLE CONCENTRATION: LANDSCAPE</b>				
Instead of these courses	Take these alternates	Cr.	K-D	
001-104 Greenhouse Systems	*001-140 Landscape Design	3	F	
001-144 Floral Design I/Commercial	*001-136 Landscape Management	3	F	
001-149 Horticulture Events	*001-132 Landscape Plants Evergreen	3	S	
104-104 Selling Principles	*001-122 Horticulture Business Ops.	3	S	

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. Students can gain a specialized skill set in landscape which emphasizes landscape design, sustainable landscape management, and landscape estimating and business operations. Students engage in various industry visits to enhance the learning experience.

### 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 high school GPA of 2.6, minimum college GPA of 2.0, or complete valid reading, writing, and math placement assessments.

## Graduation Requirements

- Minimum 63 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	001-108 Business of Urban Farming
001-109 Urban Farming and Mkt. Gard.	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. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Transfer credits in Social Science may substitute for this course. See an advisor for details.
3. A credit for prior learning assessment is available for this course. For more information, please contact [cfpl@qtc.edu](mailto:cfpl@qtc.edu).

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years 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.