

Nursery Operations Agriculture– Horticulture



- **Certificate of Proficiency in Nursery Operations**
- Three-quarter program
- **Associate in Applied Science Degree in
Agriculture-Horticulture**
- Two-year program

College Abilities

Clark College has identified six college-wide abilities that help students apply what they learn. The core abilities are taught across the curriculum and students continually practice and improve their skills in the six areas.

Communication

The ability to understand and deliver written, spoken and visual communication clearly and accurately.

Critical Thinking/Problem Solving

The ability to formulate, evaluate and synthesize facts, data, ideas, assumptions, values and points of view.

Effective Citizenship

The ability to identify community issues; evaluate and respect various opinions and values; and articulate one's own perspective.

Global/Multicultural Perspectives

The ability to identify, analyze and demonstrate how culture shapes world perceptions, values and behaviors.

Lifelong Learning

The ability to set and revise goals, access resources and assume responsibility for one's own learning.

Information/Technology

The ability to identify resources; retrieve and manage data; interpret, evaluate and use information; and adapt to changing technologies.



Clark College does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, sexual orientation, gender identity, gender expression, political affiliation, creed, disabled veteran status, marital status, honorably discharged veteran or Vietnam-era veteran status in its programs and activities.



Clark College Horticulture students have the opportunity to acquire practical experience through internships and by participation in Horticulture Club projects such as creating floral displays in Pioneer Square for the annual Portland Rose Festival or creating landscape exhibits for local Home and Garden Shows. Students also work in the College greenhouse which serves as a working lab and provides plants and flowers for campus use and for sale to benefit the Agriculture-Horticulture program.



Nursery Operations

Agriculture– Horticulture

Horticulture is the art and science of growing a variety of plants and trees. The courses offered at Clark College include greenhouse experience and outdoor plant experience. The program includes business management, greenhouse operations, horticulture therapy, irrigation systems, landscape design, landscape maintenance, nursery operations, park management, turf management, and small engine repair.

A Clark College horticulture graduate might find employment as a groundskeeper, greenhouse operator, irrigation systems specialist, landscape designer and coordinator, or nursery plant store worker. A student who takes advanced horticulture courses will have a wider career selection.



Nursery Operations

Certificate of Proficiency

A three-quarter program designed for those who plan to work, or are currently working, in nursery and greenhouse production areas. It is also appropriate for people who are involved in sales of nursery materials and supplies.

Major Area Requirements

AG	135	Deciduous Landscape Plant Identification	5 credits
AG	137	Flowering Landscape Plants	5 credits
AG	140	Plant Propagation	5 credits
AG	150	Greenhouse Management	5 credits
AG	155	Nursery Operations	5 credits
AG	185	Fruit and Vegetable Crops	5 credits
		or Suggested Agriculture Elective	5 credits
AG	199	Cooperative Work Experience	3-15 credits
		or Suggested Agriculture Elective	15 credits
AG	200	Soils	5 credits
		or Suggested Agriculture Elective	5 credits

Suggested Agriculture Electives

AG	106	Plant Identification	5 credits
AG	135	Deciduous Landscape Plant Identification	5 credits
AG	136	Evergreen Landscape Plant Identification	5 credits
AG	220	Landscape Maintenance	5 credits
AG	250	Landscape Installation	5 credits

Total Credits Required 47-59 credits

(including General Education Requirements)

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.

Agriculture-Horticulture

Associate in Applied Science Degree

Major Area Requirements

AG	086	Computers in Horticulture	3 credits
AG	108	Field Studies in Horticulture	1-4 credits
AG	130	Introduction to Horticulture	5 credits
AG	135	Deciduous Landscape Plant Identification	5 credits
AG	136	Evergreen Landscape Plant Identification	5 credits
AG	137	Flowering Landscape Plants	5 credits
AG	140	Plant Propagation	5 credits
AG	150	Greenhouse Management	5 credits
AG	155	Nursery Operations	5 credits
AG	185	Fruit and Vegetable Crops	5 credits
AG	199	Cooperative Work Experience	1-5 credits
AG	200	Soils	5 credits
		or 255 Tissue Culture	2 credits
AG	205	Turf Management and Maintenance	5 credits
		or 211 Computerized Landscape Design	5 credits
AG	210	Landscape Design	5 credits
		or 212 Computerized Landscape Drafting	5 credits
AG	220	Landscape Maintenance	5 credits
AG	240	Irrigation Management	5 credits
AG	241	Backflow Prevention Irrigation	5 credits
AG	250	Landscape Installation	5 credits
AG	260	Environmental Management	5 credits
AG	290	Special Projects	1-5 credits

Total Credits Required 104-121 credits

(including General Education Requirements)

Refer to the Degree & Certificate Requirements section in the Clark College Catalog to identify the courses needed to satisfy the General Education Requirements.